

EMPLOYMENT AND EARNINGS

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

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

Employment and Unemployment Developments, October 1971

Total employment continued to rise in October, and unemployment edged down. The unemployment rate was 5.8 percent in October compared with 6.0 percent in September.

The total number of employed persons increased by 320,000 (seasonally adjusted) in October to a record level of 79.8 million.

Nonagricultural payroll employment was unchanged in October, as employment gains in several industries were offset by a net increase in workers on strike (90,000). (Workers on strike are not counted as employed in the nonagricultural payroll series, because they are not on employer payrolls. In the total employment series from the household survey, strikers are counted as employed—with a job but not at work.) The average workweek rebounded in October after a drop in September.

Unemployment

The number of unemployed persons totaled 4.6 million in October, 270,000 fewer than in September. Unemployment usually decreases between September and October, but the decline this year was somewhat greater than usual, and, after seasonal adjustment, unemployment was down by 135,000. The decline stemmed largely from a reduction in the number of unemployed workers who had lost their jobs and was essentially confined to adult men. The overall jobless rate also declined slightly—from 6.0 percent in September to 5.8 percent in October.

The unemployment rate for all adult men edged down from 4.5 percent in September to 4.3 percent in October. The rate for married men also declined, from 3.3 to 3.0 percent, reaching its lowest level in a year. The unemployment rates for adult women (5.5 percent) and teenagers (17.0 percent) were virtually unchanged from their September levels.

The jobless rate for white workers was 5.3 percent in October, little changed from September and from October a year ago. The rate for Negroes was 10.7 percent this October, also little changed from September (10.5 percent) but up from 9.3 percent in October 1970.

Among occupation groups, the unemployment rate for blue-collar workers declined substantially over the

month, from 8.0 to 7.2 percent, following increases in the previous 2 months. The reduction in blue-collar joblessness was most evident among craftsmen and foremen, whose rate dropped sharply—from 5.8 to 4.7 percent. Jobless rates among most other major occupational groups showed little change in October.

Among industry groups, the jobless rate moved down for workers in manufacturing industries—from 7.0 to 6.3 percent. For workers in transportation and public utilities, on the other hand, the jobless rate rose to 4.4 percent in October, up from 3.6 percent in September and 3.1 percent in August. This rise in part reflected the secondary effects of strikes among dock workers and coal miners. The unemployment rate for construction workers, at 10.3 percent in October, has remained essentially unchanged since June but was down from a year ago.

For workers covered by State unemployment insurance programs, the October jobless rate of 4.5 percent was essentially unchanged from its September level (4.4 percent).

The number of persons unemployed for 15 weeks or longer, at 1.2 million (seasonally adjusted), was unchanged over the month but was substantially above year-ago levels. The average duration of unemployment, at 12.2 weeks in October (seasonally adjusted), has remained close to 12 weeks since May and was nearly 4 weeks above a year ago.

The number of workers on part time for economic reasons (those who want full-time work but have been able to find only a part-time job or had their workweek reduced because of economic factors affecting their jobs) rose to 2.5 million (seasonally adjusted) in October. This returned the series to the average level of July and August, after a decline in September.

Labor force and total employment

Total employment increased more than seasonally between September and October, and, after seasonal adjustment, was up by 320,000 to 79.8 million. The over-the-month increase in employment was spread fairly evenly among the major age-sex groups.

Since last October, total employment has risen by about 1.1 million, with half of the increase being registered by men 20 years and over. Employment of adult men has risen at a rapid pace since early this year, after showing no growth during 1970.

The number of persons in the civilian labor force totaled 84.8 million in October (seasonally adjusted). Since last October, the civilian labor force has expanded by 1.5 million, with nearly half of the increase being accounted for by adult men, many of whom have entered the job market after being discharged from the Armed Forces.

Vietnam Era veterans

The job situation for Vietnam Era veterans 20 to 29 years old was better in October 1971 than it had been all year, despite the fact that discharges in this age group from military service have continued at the rate of about 50,000 a month. The number of employed veterans in this age group reached 3.6 million, and both the number unemployed and their unemployment rate dropped substantially over the month. (Data are not seasonally adjusted; see table).

A total of 270,000 veterans ages 20-29 were unemployed in October, 50,000 fewer than in September. October was the first time in nearly a year that their unemployment was below the 300,000 mark. The veterans' unemployment rate of 7.0 percent in October was down sharply from the 8.3 percent rate posted in September and was the lowest rate since October 1970. Moreover, the veterans' rate this October was not essentially different from the jobless rate for nonveterans in the same age group. At 6.6 percent, the rate for

nonveterans was the same as it had been both a month and a year earlier.

Industry payroll employment

Total nonagricultural payroll employment was about unchanged in October on a seasonally adjusted basis, following an increase of almost 400,000 in September. Employment would have risen by about 85,000 except for the net effect of increased strike activity—especially among coal miners and longshoremen. The October level was 250,000 below the alltime peak reached in March 1970. Over the month, employment rose by 60,000 in the service-producing industries, but this was offset by a decline in the goods-producing industries.

Manufacturing employment was virtually unchanged in October on a seasonally adjusted basis, following a large gain between August and September (160,000). Factory employment, at 18.6 million in October, was 1.6 million below the alltime high reached in July 1969. Most manufacturing industries showed little over-the-month change, although there were increases of about 10,000 each in primary metals and transportation equipment and a decline of 15,000 in food products. The increase in primary metals was its second in a row, following 3 months of sharp declines.

In contract construction, employment edged up for the second consecutive month, after declining for 4 straight months. The increase brought employment in this industry to within 25,000 of its year-ago level. A 95,000 decline in mining employment was due to a strike among bituminous coal workers.

The over-the-month employment gain in the service-producing industries was dominated by pickups in State and local government (40,000) and services (30,000).

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

(Numbers in thousands; data not seasonally adjusted)

Employment status	War veterans ¹			Nonveterans		
	Oct. 1971	Sept. 1971	Oct. 1970	Oct. 1971	Sept. 1971	Oct. 1970
Civilian noninstitutional population.....	4,252	4,206	3,633	9,515	9,476	9,033
Civilian labor force	3,876	3,863	3,312	8,159	8,163	7,792
Percent of population	91.2	91.8	91.2	85.7	86.1	86.3
Employed	3,606	3,541	3,104	7,621	7,621	7,272
Unemployed	270	322	208	538	542	520
Unemployment rate	7.0	8.3	6.3	6.6	6.6	6.7
Not in labor force	376	343	321	1,356	1,313	1,241

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

These increases more than offset a 25,000 decline in transportation and public utilities, which was largely the result of a strike among longshoremen. Employment in the service-producing sector has increased steadily during 1971, although the rate of growth has been below long-term trends.

Hours of work

The average workweek for all rank-and-file workers on private nonagricultural payrolls more than recovered from its September decline, increasing by 0.4 hour to 37.1 hours (seasonally adjusted) in October. With the exception of June 1971, this was the highest level for the private nonfarm workweek since August 1970.

The largest over-the-month rise among the major industries took place in contract construction—2.1 hours, seasonally adjusted. The October increase followed a sharp drop in September (1.4 hours) that was attributable in part to unusually bad weather conditions.

In manufacturing, the workweek averaged 39.7 hours, seasonally adjusted, up 0.1 hour from September. Increases in hours took place in most of the durable goods industries, where workweeks rebounded from sizeable declines in the previous month. After rising to the 40.0-

hour mark during the past summer, average hours in manufacturing are now near the lower levels that prevailed earlier in the year.

Factory overtime edged up 0.1 hour in October to 2.9 hours, seasonally adjusted. Overtime hours have ranged narrowly between 2.8 and 3.0 hours throughout 1971.

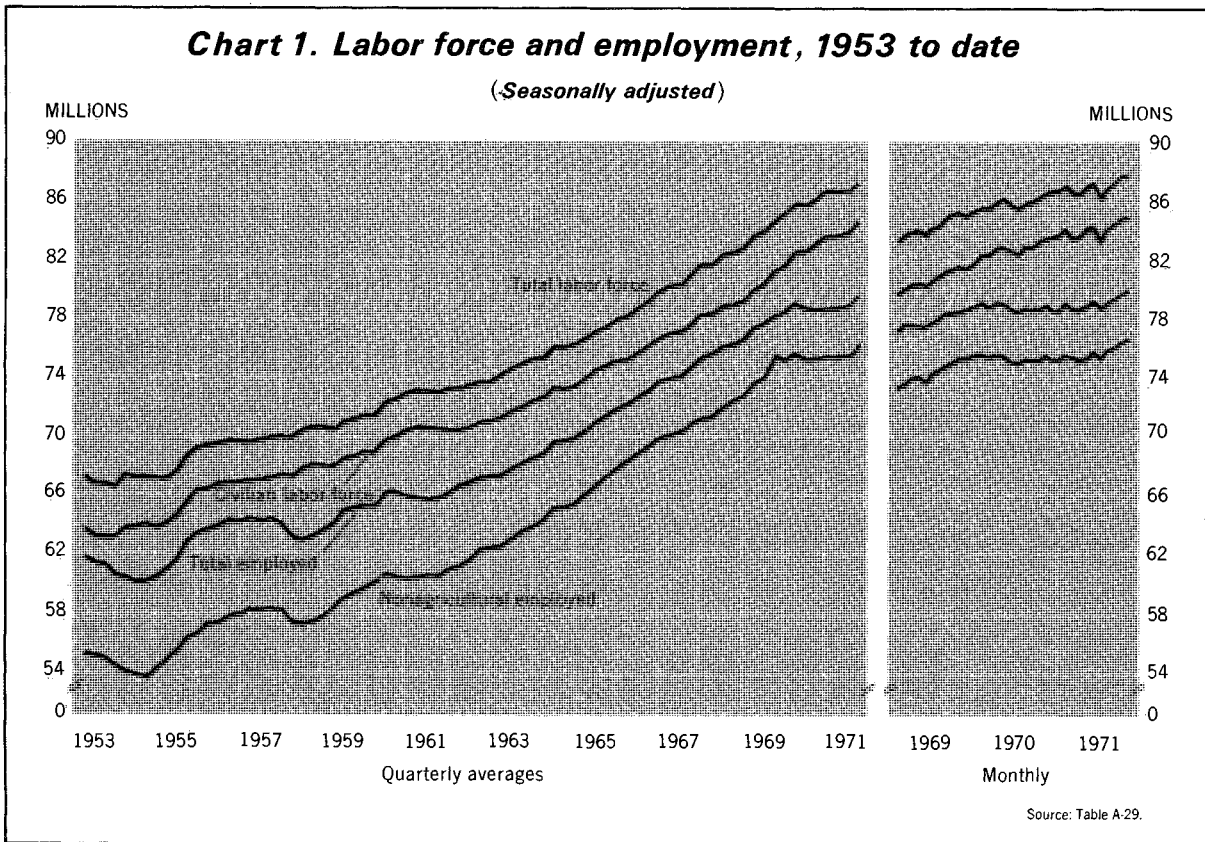
Earnings

Average hourly earnings of production and nonsupervisory workers on private nonfarm payrolls, at \$3.48 in October, were essentially unchanged over the month. Compared with a year ago, average hourly earnings were up 20 cents or 6.1 percent.

Average weekly earnings of rank-and-file workers were also essentially stable over the month at \$129.11. Contract construction and finance, insurance, and real estate were the only industries that posted over-the-month increases. Compared with October 1970, average weekly earnings were up by \$8.08 or 6.7 percent. During the latest 12-month period for which the Consumer Price Index is available—September 1970 to September 1971—consumer prices rose 4.2 percent.

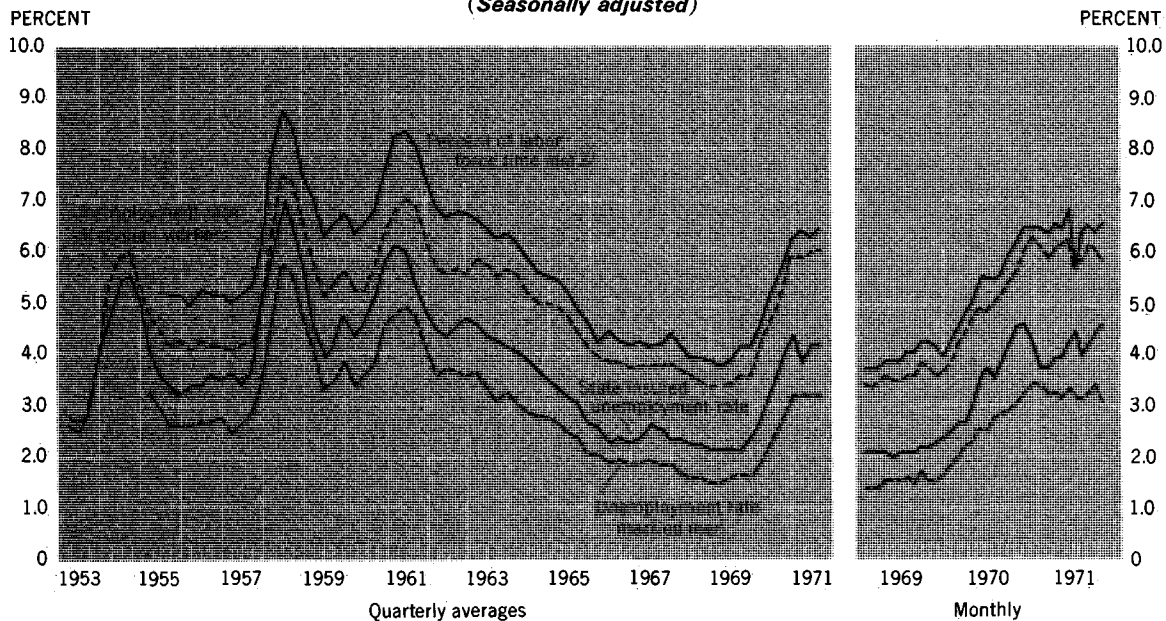
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**Chart 2. Major unemployment indicators
1953 to date**

(Seasonally adjusted)

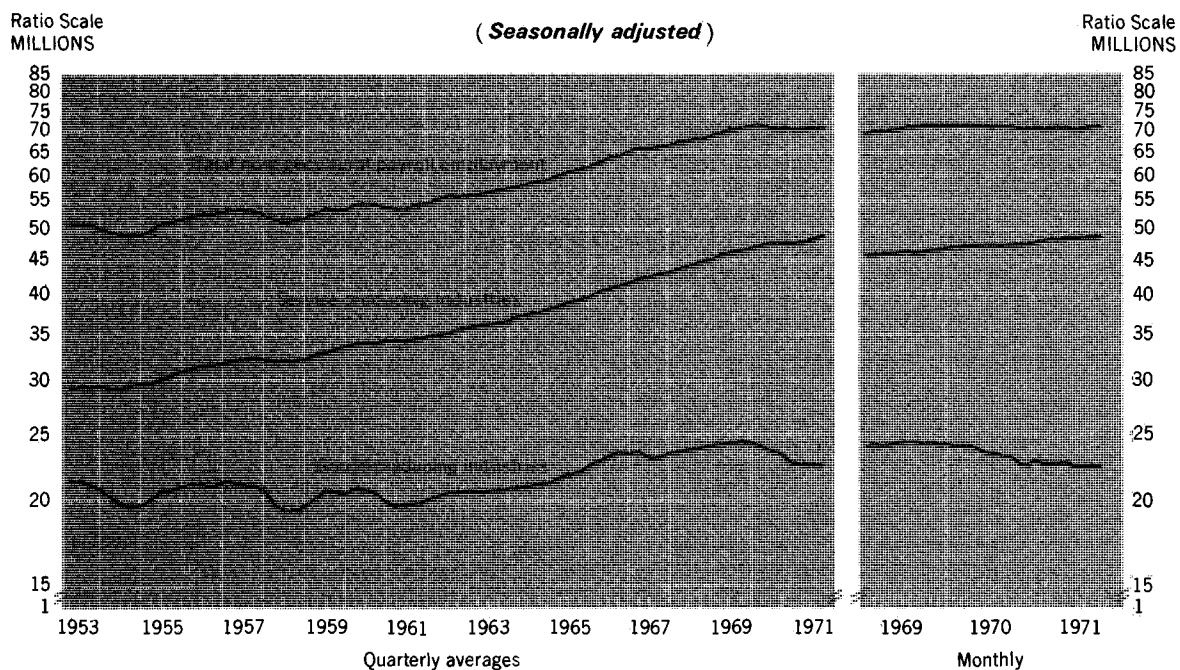


Series revised beginning 1963 to reflect whether unemployed persons sought full- or part-time jobs.

Source: Table A-33.

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

(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

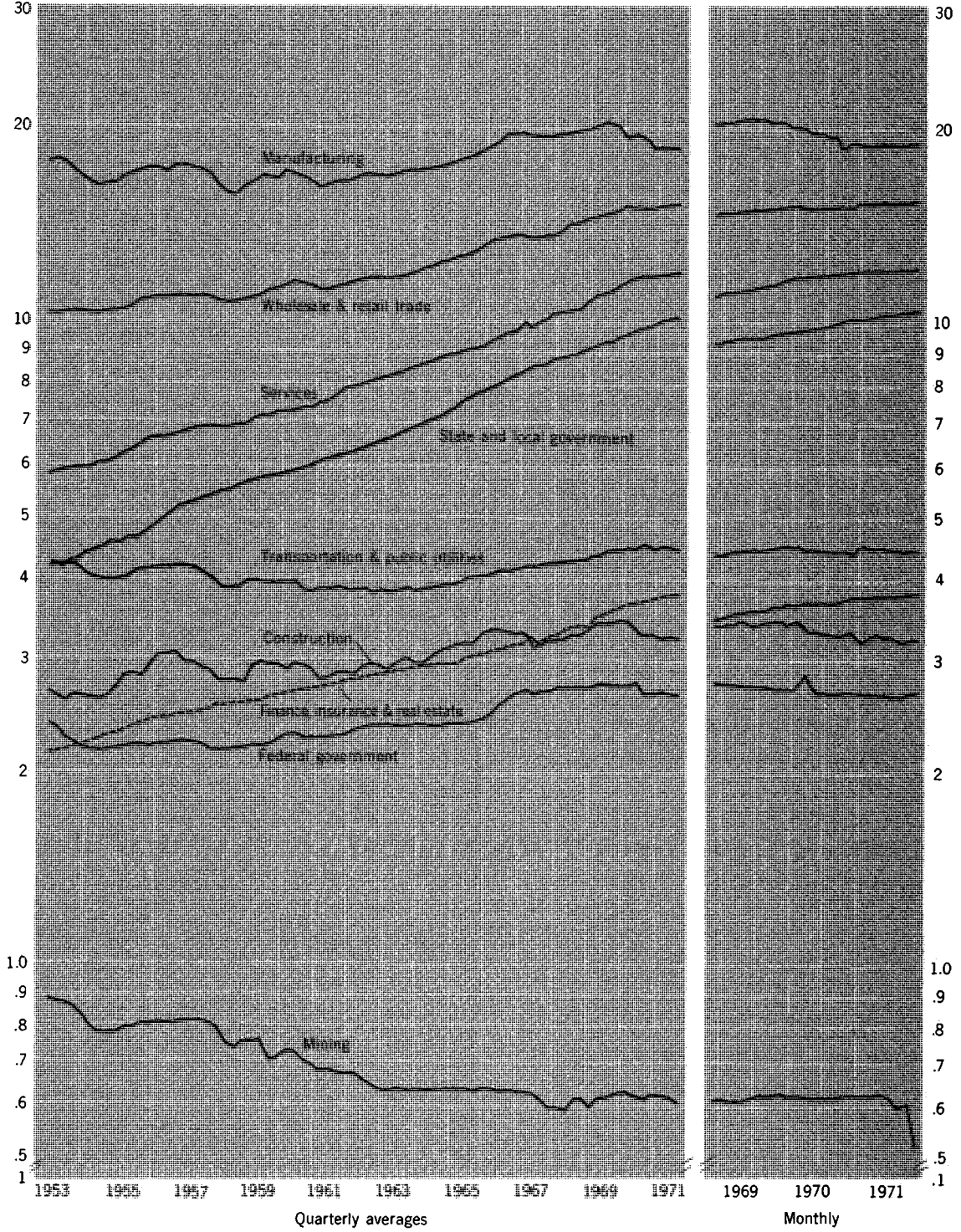
Source: Table B-5.

Chart 4. Nonagricultural payroll employment by industry 1953 to date

Ratio Scale
MILLIONS

(Seasonally adjusted)

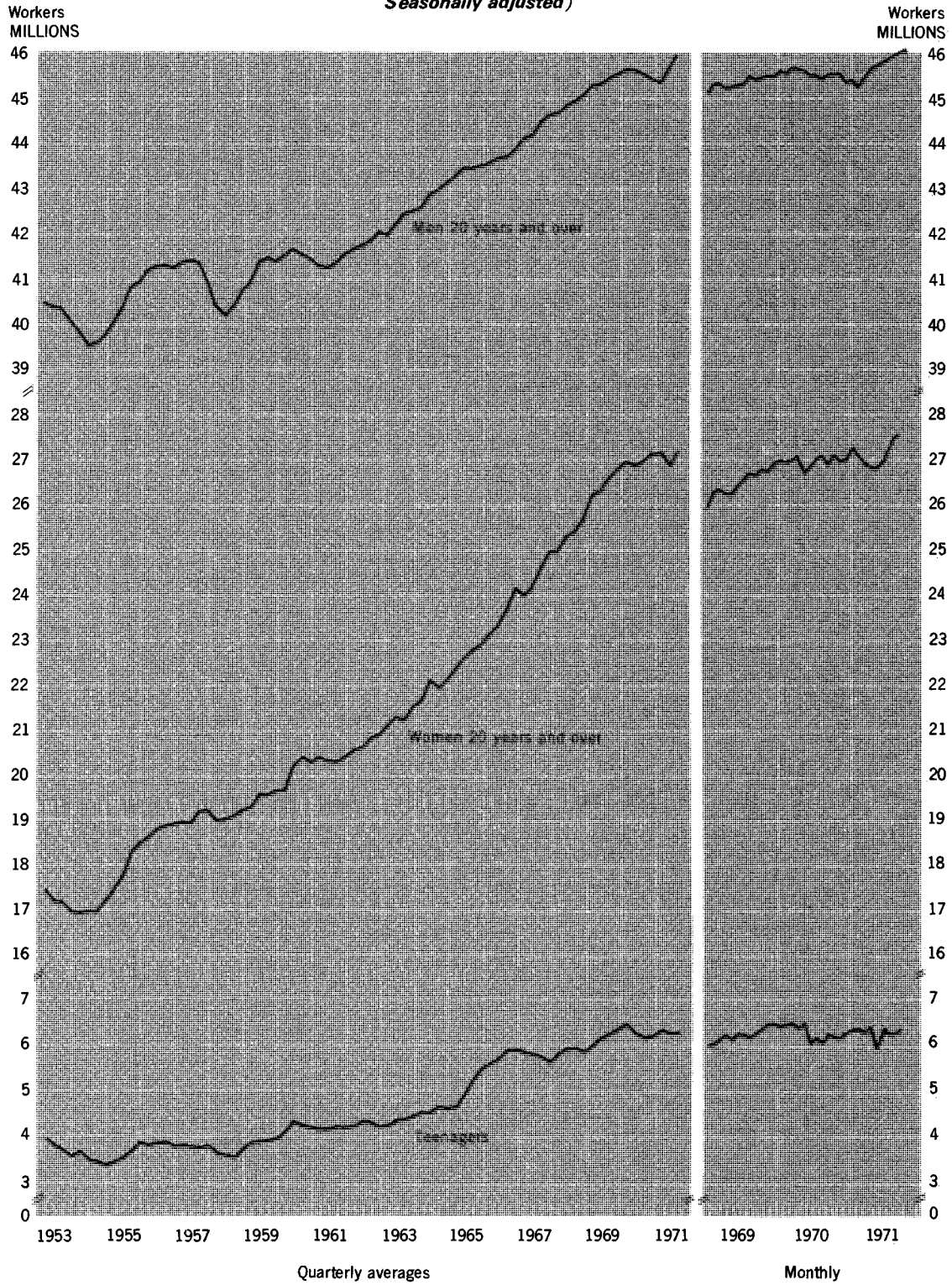
Ratio Scale
MILLIONS



Note: Data for 2 most recent months are preliminary.

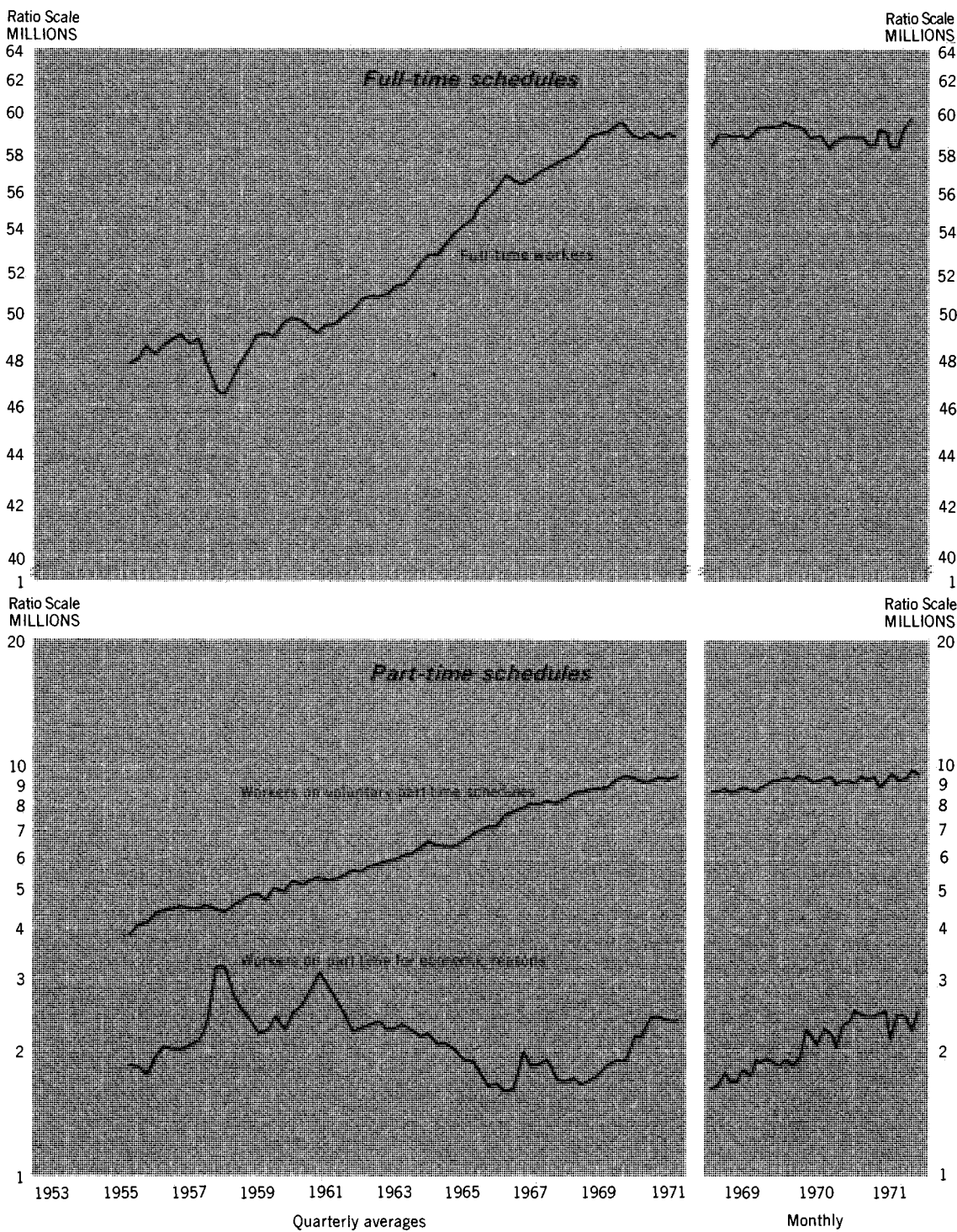
Source: Table B-5.

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



Source: Table A-29.

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

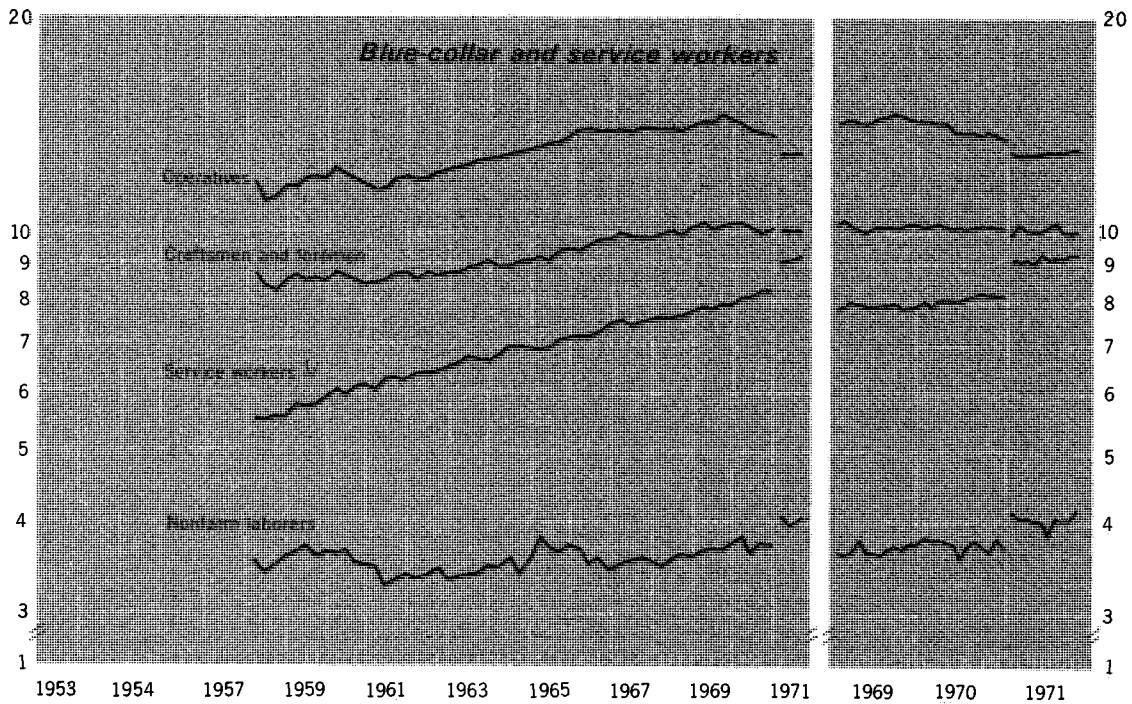
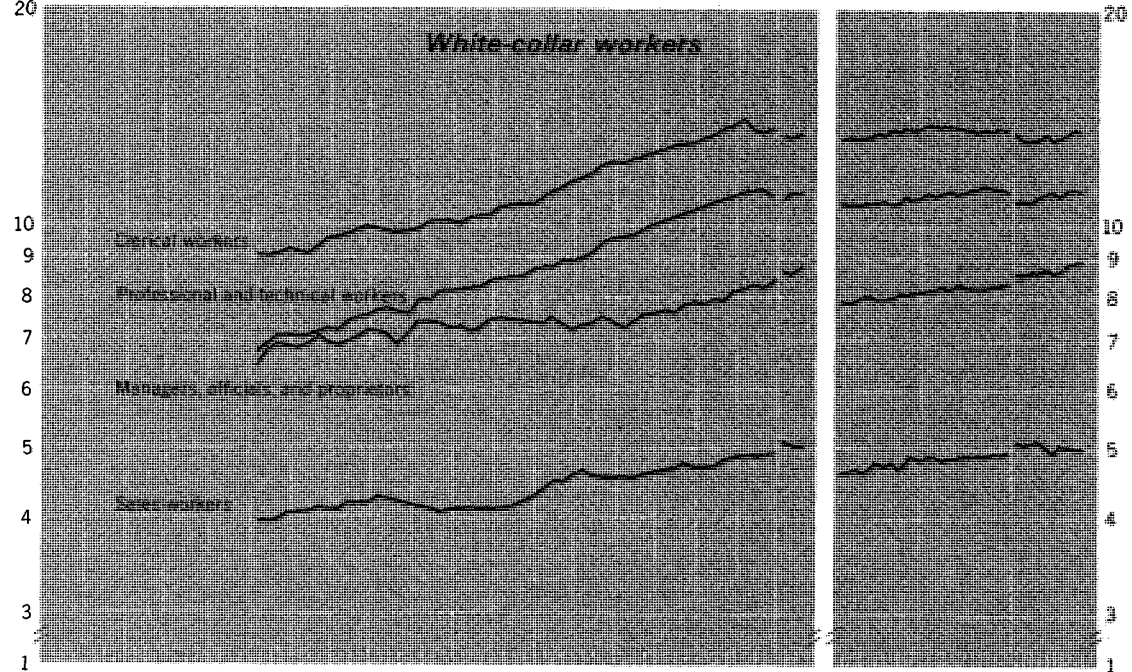


Source: Table A-29 and unpublished data.

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

Ratio Scale
MILLIONS
20
10
9
8
7
6
5
4
3
1

Ratio Scale
MILLIONS
20
10
9
8
7
6
5
4
3
1



1953 1954 1957 1959 1961 1963 1965 1967 1969 1971

1969 1970 1971

Quarterly averages

Monthly

Source: Table A-37

1/ Excludes private household workers.

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

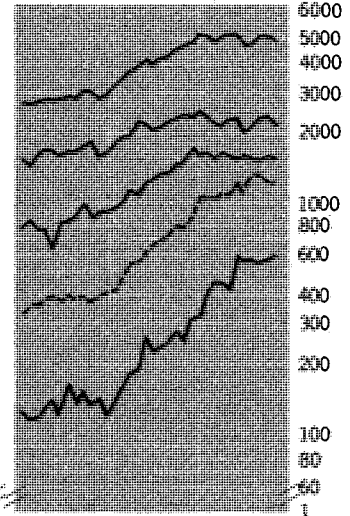
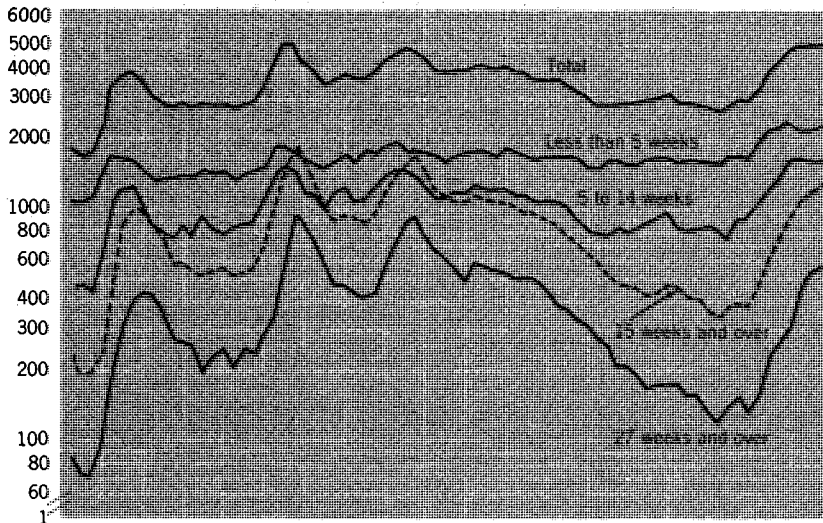
Chart 8. Duration of unemployment 1953 to date

(Seasonally adjusted)

Ratio Scale
THOUSANDS

Number of workers unemployed

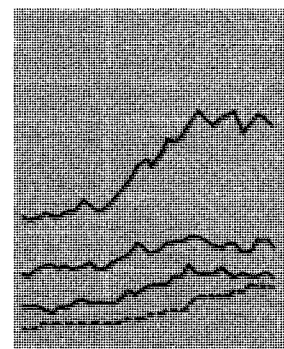
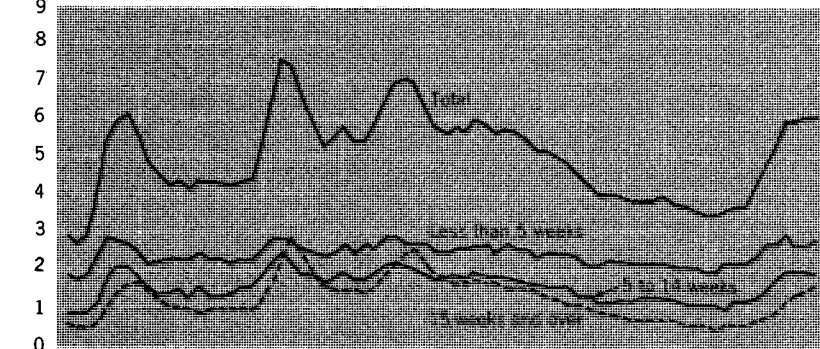
Ratio Scale
THOUSANDS



PERCENT

Percentage of the total civilian labor force unemployed

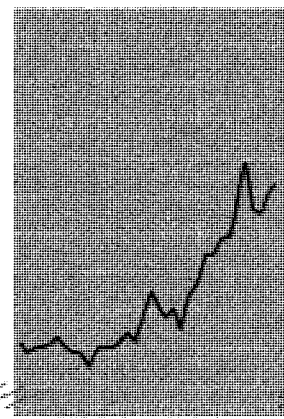
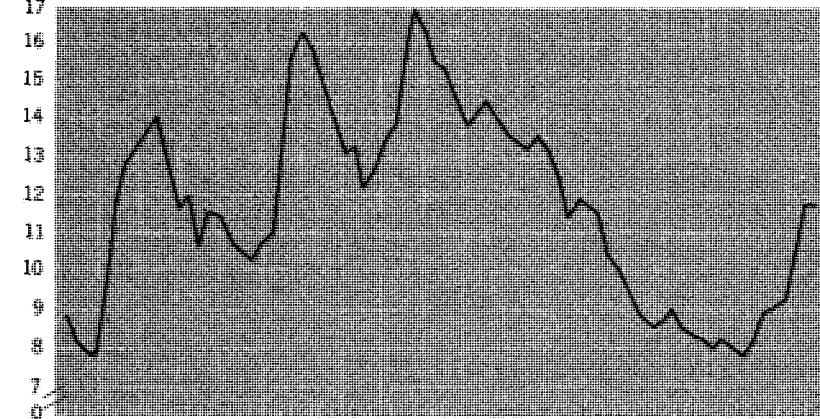
PERCENT



WEEKS

Average duration of unemployment

WEEKS



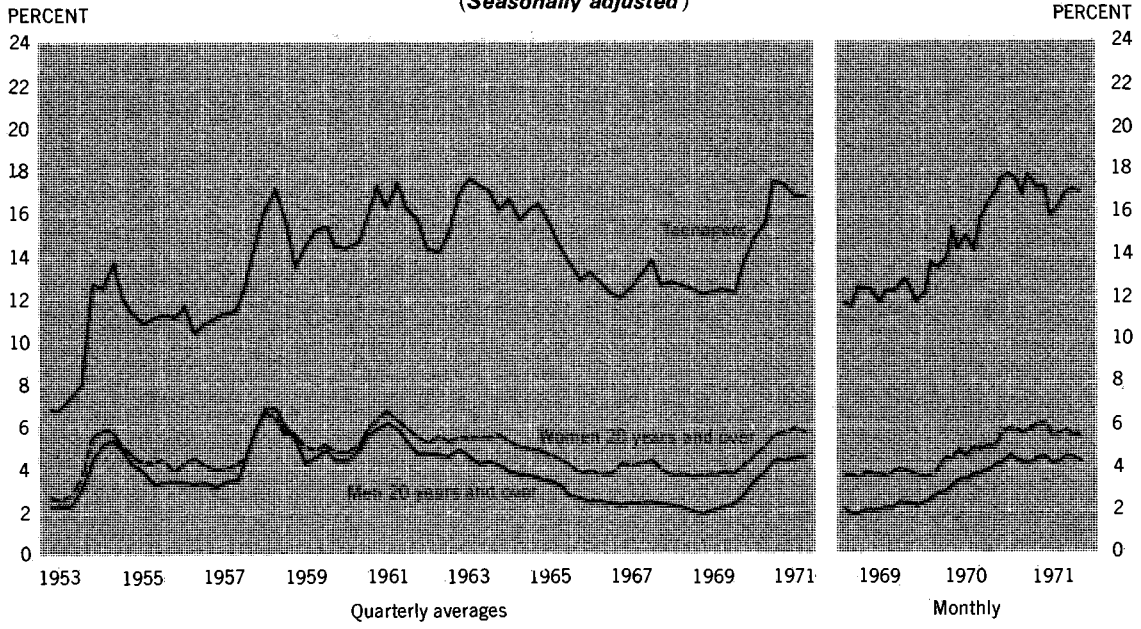
1953 1955 1957 1959 1961 1963 1965 1967 1969 1971
Quarterly averages

1969 1970 1971
Monthly

Source: Table A-32.

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

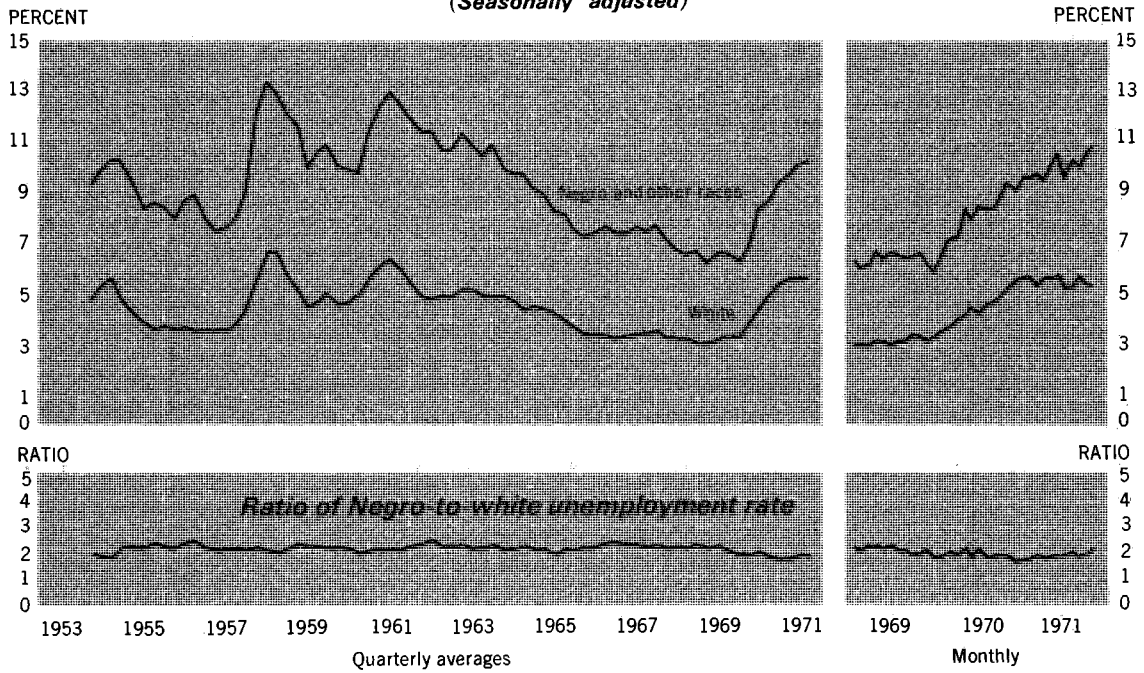
(Seasonally adjusted)



Source: Table A-33.

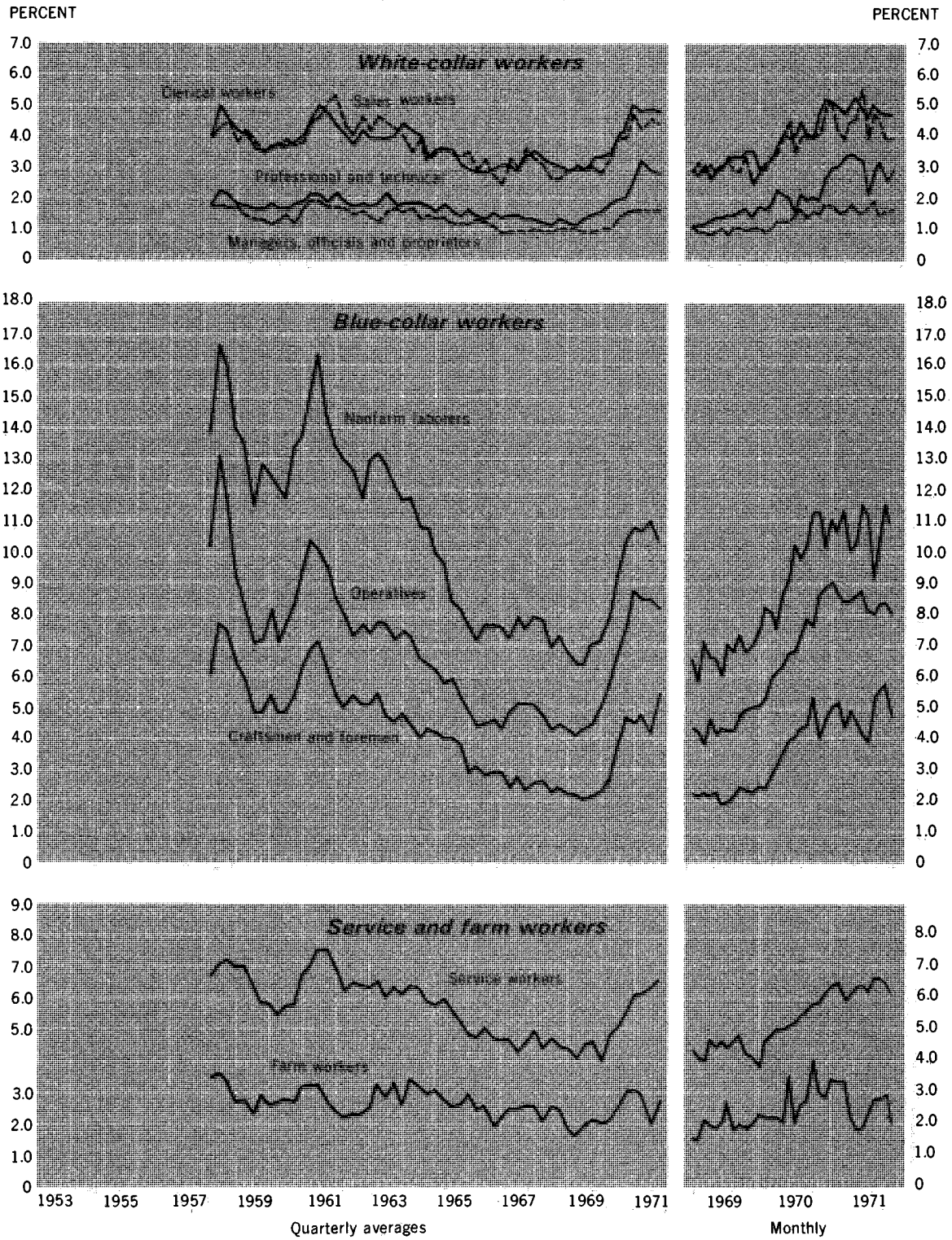
Chart 10. Unemployment rates by color 1954 to date

(Seasonally adjusted)



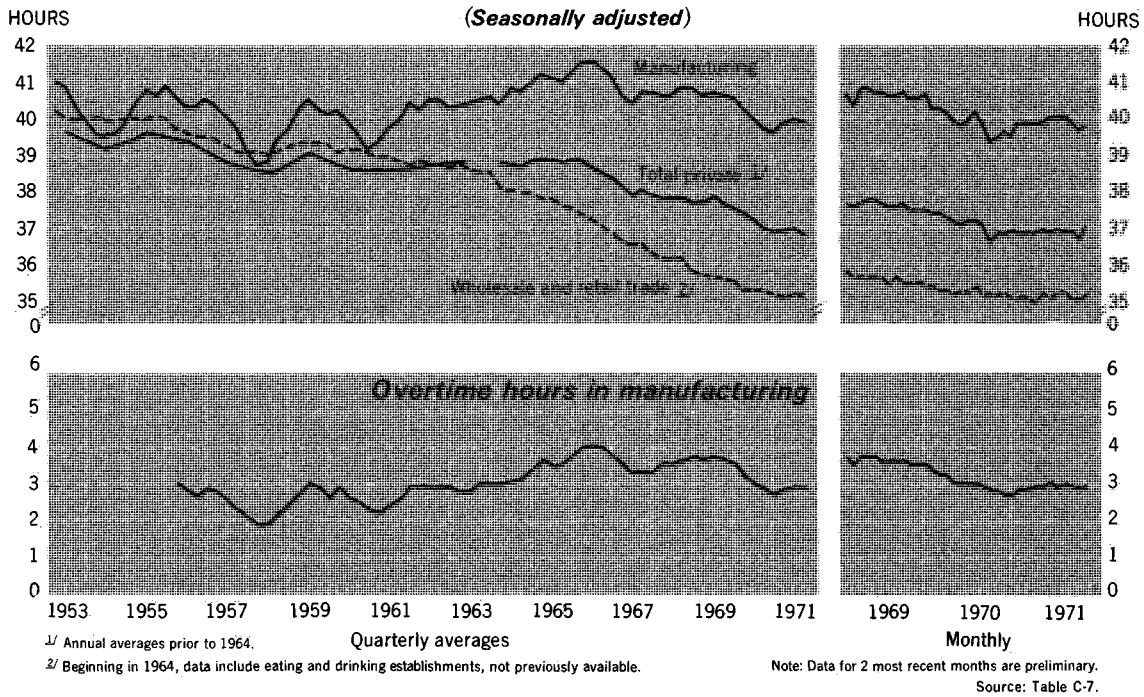
Source: Table A-31

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



Source: Table A-33.

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



**Chart 13. Labor turnover rates in manufacturing
1953 to date**

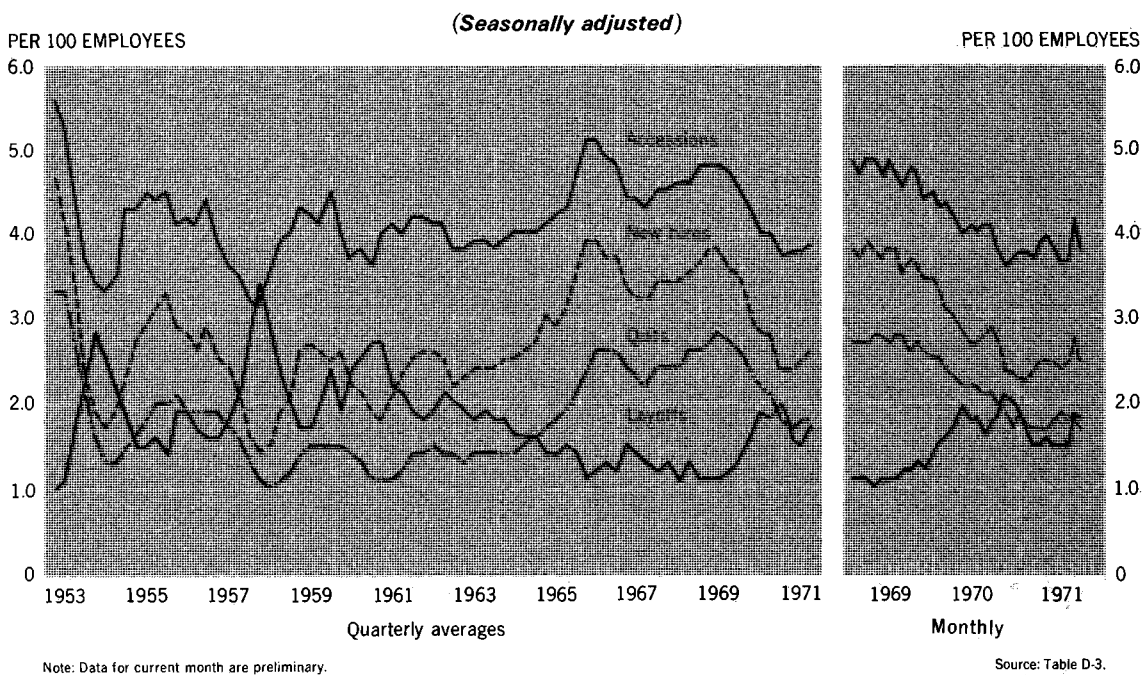
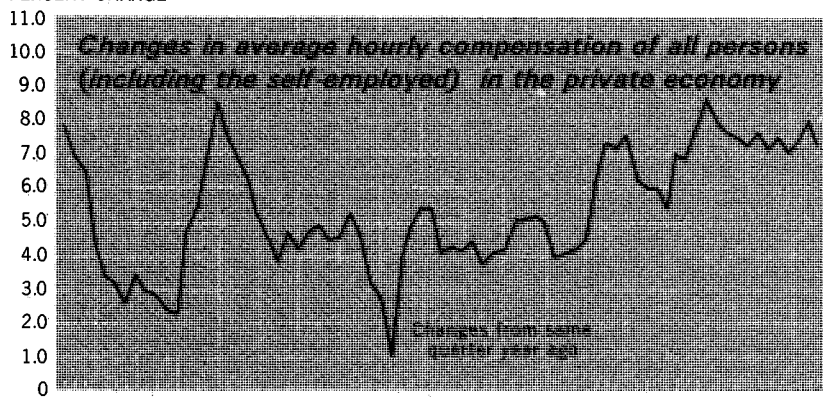


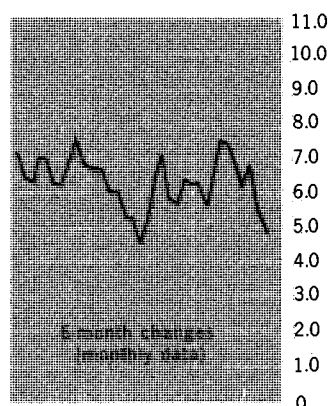
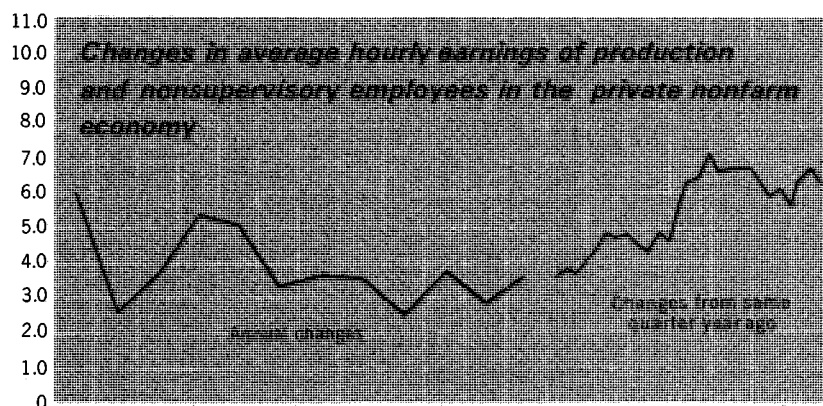
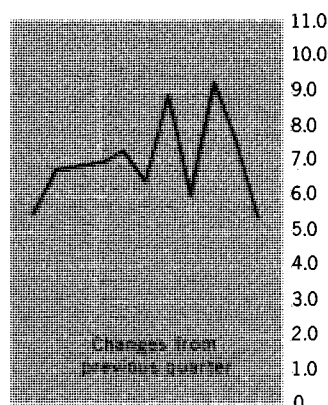
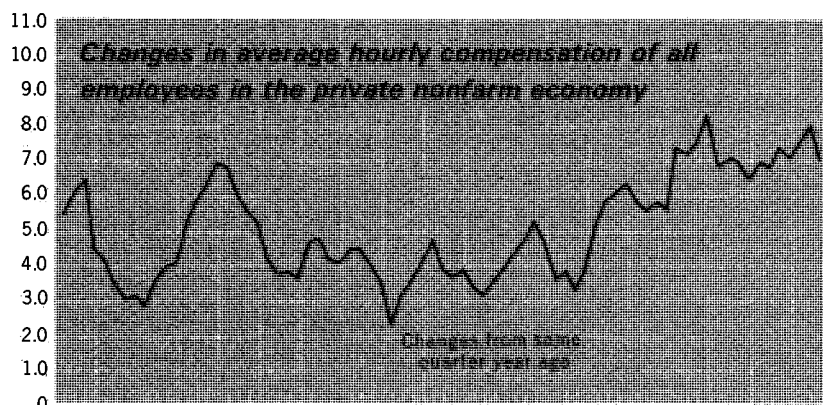
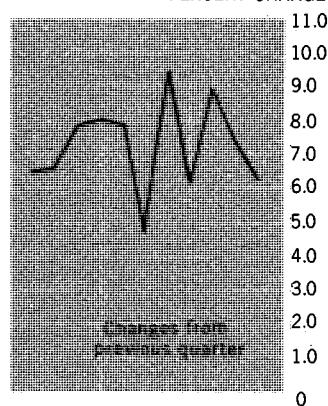
Chart 14. Major compensation trend indicators 1953 to date

(Seasonally adjusted, at annual rates)

PERCENT CHANGE



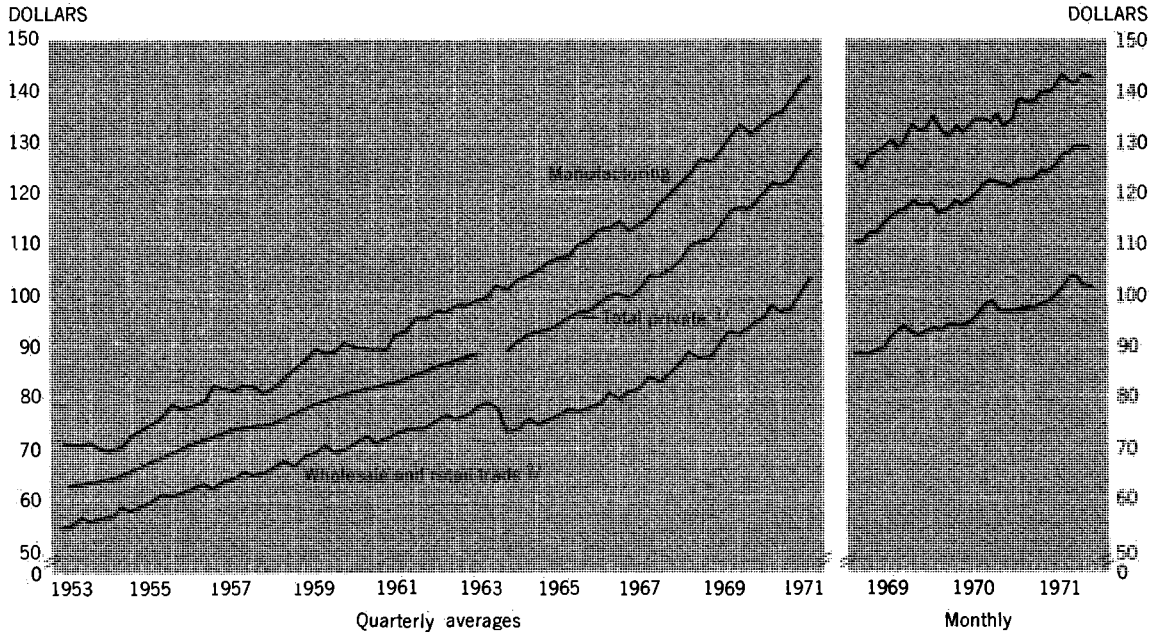
PERCENT CHANGE



1953 1955 1957 1959 1961 1963 1965 1967 1969 1971 1969 1970 1971

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

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



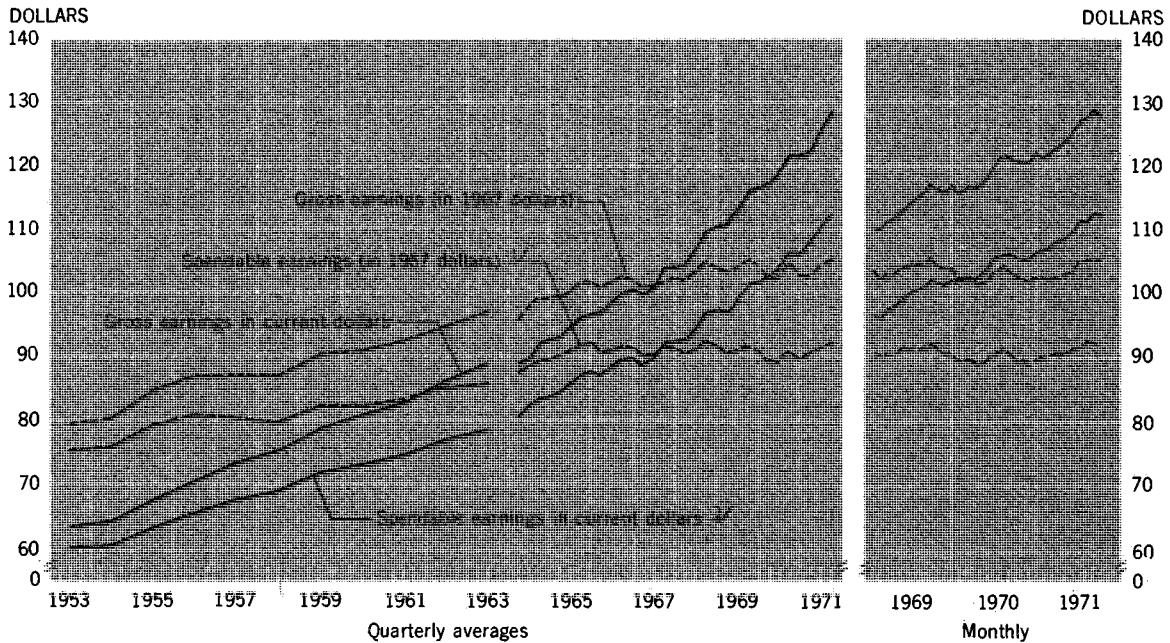
1/ Annual averages prior to 1964.

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

Note: Data for 2 most recent months are preliminary.

Source: Table C-1.

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



Worker with 3 dependents

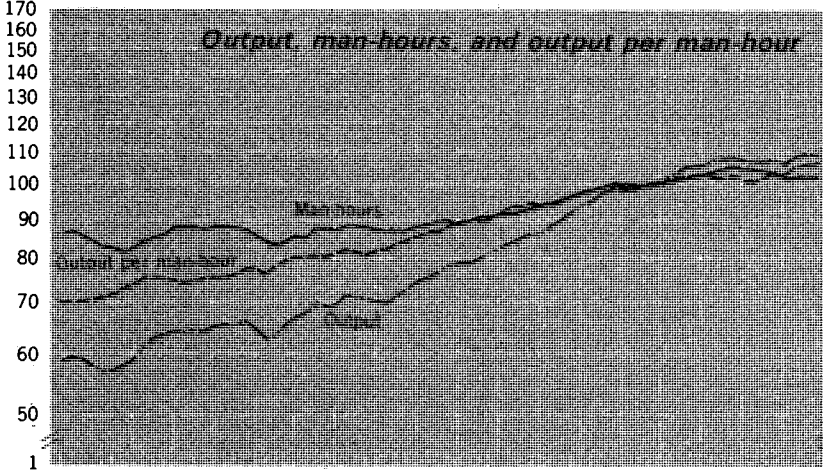
NOTE: Data prior to 1964 are annual averages. Data for current month are preliminary.

Source: Table C-5.

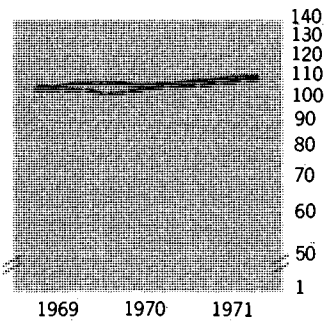
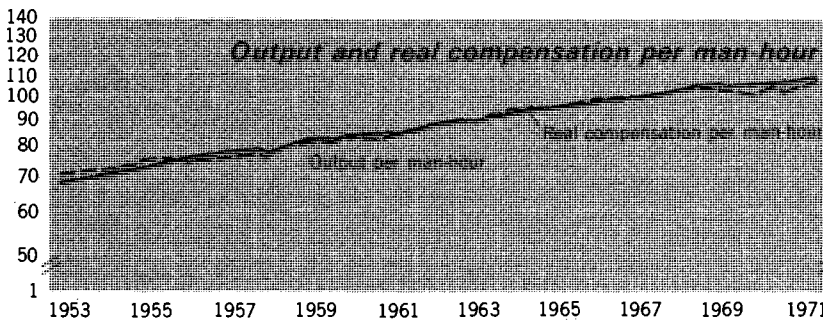
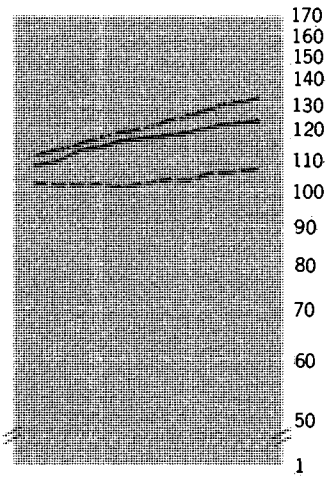
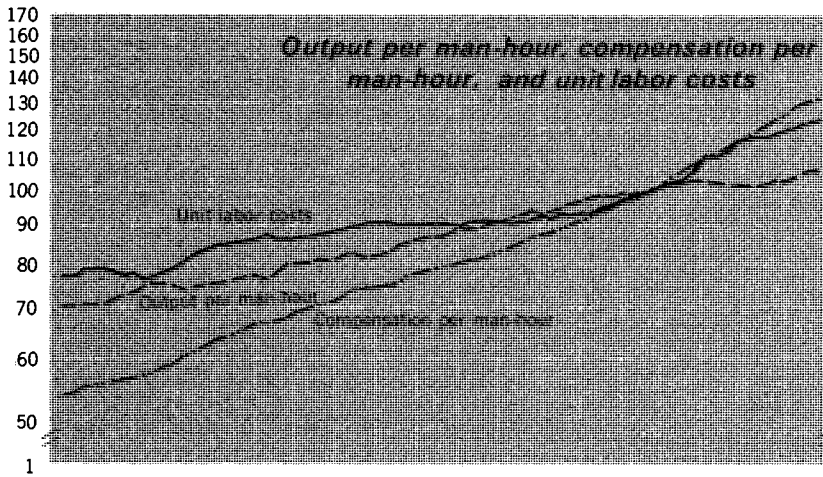
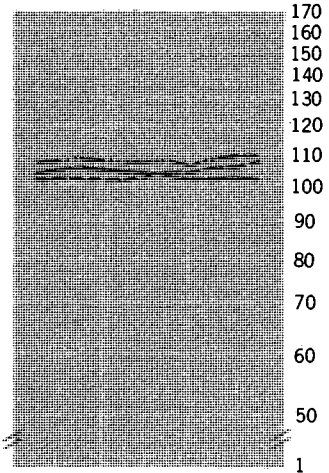
Chart 17. Indexes of output per man-hour, hourly compensation, and unit labor costs in the private nonfarm economy 1953 to date

(Seasonally adjusted quarterly averages)

RATIO SCALE
INDEX (1967 = 100)



RATIO SCALE
INDEX (1967 = 100)



Source: Table C-10.

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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	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted		Seasonally adjusted
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	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	-	44,061
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	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	-	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	-	54,280
1970: October.....	140,886	86,254	61.2	83,175	78,916	3,394	75,522	4,259	5.1	5.5	54,631
1971: February.....	141,670	85,653	60.5	82,703	77,262	2,846	74,415	5,442	6.6	5.8	56,017
March.....	141,885	85,598	60.3	82,668	77,493	3,042	74,452	5,175	6.3	6.0	56,286
April.....	142,088	85,780	60.4	82,898	78,204	3,505	74,699	4,694	5.7	6.1	56,308
May.....	142,285	85,954	60.4	83,104	78,709	3,598	75,111	4,394	5.3	6.2	56,331
June.....	142,482	87,784	61.6	84,968	79,478	3,920	75,559	5,490	6.5	5.6	54,698
July.....	142,685	88,808	62.2	86,011	80,681	3,971	76,710	5,330	6.2	5.8	53,877
August.....	142,886	88,453	61.9	85,678	80,618	3,764	76,583	5,061	5.9	6.1	54,433
September.....	143,104	86,884	60.7	84,135	79,295	3,444	75,851	4,840	5.8	6.0	56,220
October.....	143,321	87,352	60.9	84,635	80,065	3,470	76,595	4,570	5.4	5.8	55,968

¹Not available.

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

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
MALE											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	-	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	-	13,066
1970: October.....	67,730	54,054	79.8	51,015	48,777	2,771	46,006	2,238	4.4	5.1	13,676
1971: May.....	68,367	54,390	79.6	51,580	49,127	2,930	46,196	2,453	4.8	5.6	13,977
June.....	68,456	55,920	81.7	53,145	50,173	3,122	47,050	2,972	5.6	5.1	12,536
July.....	68,549	56,730	82.8	53,973	51,066	3,171	47,894	2,908	5.4	5.2	11,820
August.....	68,647	56,307	82.0	53,572	50,905	3,064	47,842	2,667	5.0	5.5	12,340
September.....	68,748	54,609	79.4	51,900	49,476	2,806	46,670	2,424	4.7	5.5	14,138
October.....	68,848	54,604	79.3	51,926	49,535	2,821	46,714	2,391	4.6	5.3	14,244
FEMALE											
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	-	35,767
1948.....	53,088	17,351	32.7	17,335	16,618	1,271	15,347	717	4.1	-	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0	-	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7	-	35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4	-	35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6	-	36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	632	3.3	-	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	-	37,247
1955.....	57,610	20,584	35.7	20,548	19,550	1,184	18,367	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8	-	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	-	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	-	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	-	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	-	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	-	38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	-	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	-	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	-	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	-	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	-	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	-	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	-	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	-	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	-	41,214
1970: October.....	73,156	32,201	44.0	32,160	30,139	623	29,516	2,021	6.3	6.3	40,955
1971: May.....	73,918	31,564	42.7	31,524	29,583	668	28,915	1,941	6.2	7.2	42,354
June.....	74,026	31,864	43.0	31,823	29,306	797	28,508	2,518	7.9	6.5	42,162
July.....	74,136	32,078	43.3	32,038	29,616	800	28,816	2,422	7.6	6.9	42,058
August.....	74,240	32,146	43.3	32,106	29,712	700	29,012	2,394	7.5	7.0	42,093
September.....	74,356	32,275	43.4	32,235	29,819	638	29,181	2,416	7.5	6.8	42,082
October.....	74,472	32,749	44.0	32,709	30,530	649	29,881	2,179	6.7	6.6	41,724

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

October 1971
(In thousands)

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALE											
16 years and over	54,604	79.3	51,926	49,535	2,391	4.6	14,244	255	4,710	1,620	7,660
16 to 21 years	7,101	62.4	6,083	5,186	897	14.7	4,272	19	3,937	44	273
16 to 19 years	4,250	54.5	3,923	3,288	635	16.2	3,546	14	3,317	22	193
16 and 17 years	1,731	43.3	1,702	1,370	333	19.5	2,264	9	2,184	6	66
18 and 19 years	2,519	66.3	2,221	1,918	302	13.6	1,282	5	1,133	16	128
20 to 64 years	48,240	91.3	45,889	44,190	1,697	3.7	4,586	117	1,391	1,092	1,985
20 to 24 years	7,560	84.6	6,215	5,666	549	8.8	1,374	8	1,098	49	220
25 to 54 years	33,553	95.4	32,550	31,574	975	3.0	1,606	65	289	547	704
25 to 29 years	6,743	94.7	6,389	6,110	279	4.4	379	9	215	29	126
30 to 34 years	5,653	97.4	5,406	5,241	165	3.1	149	7	35	37	70
35 to 39 years	5,212	97.1	4,977	4,855	121	2.4	153	15	12	71	55
40 to 44 years	5,464	96.7	5,356	5,209	146	2.7	189	9	10	86	85
45 to 49 years	5,530	94.6	5,490	5,368	122	2.2	316	13	14	139	150
50 to 54 years	4,951	92.2	4,932	4,791	141	2.9	419	13	3	185	218
55 to 64 years	7,127	81.6	7,123	6,950	173	2.4	1,606	44	5	496	1,061
55 to 59 years	4,216	88.3	4,213	4,121	93	2.2	557	13	5	232	308
60 to 64 years	2,911	73.5	2,910	2,829	81	2.8	1,048	31	--	264	753
65 years and over	2,114	25.7	2,114	2,057	58	2.7	6,112	123	2	506	5,481
65 to 69 years	1,252	40.0	1,252	1,204	48	3.8	1,878	32	2	146	1,698
70 years and over	863	16.9	863	852	10	1.2	4,235	92	--	360	3,783
White											
16 years and over	49,049	79.7	46,673	44,745	1,928	4.1	12,455	219	3,994	1,311	6,932
16 to 21 years	6,289	63.8	5,388	4,679	709	13.2	3,565	14	3,299	34	218
16 to 19 years	3,789	56.2	3,498	2,987	512	14.6	2,958	12	2,778	16	153
16 and 17 years	1,585	46.0	1,560	1,279	281	18.0	1,862	10	1,805	2	46
18 and 19 years	2,204	66.8	1,939	1,708	231	11.9	1,096	2	973	14	107
20 to 64 years	43,306	91.7	41,221	39,855	1,366	3.3	3,923	93	1,214	891	1,725
20 to 24 years	6,644	84.9	5,440	5,018	423	7.8	1,178	3	960	43	172
25 to 54 years	30,155	95.9	29,276	28,493	784	2.7	1,298	49	250	422	577
25 to 29 years	11,032	96.2	10,506	10,162	343	3.3	435	14	220	53	148
30 to 34 years	9,584	97.3	9,285	9,067	218	2.3	262	17	14	117	114
35 to 39 years	9,539	94.1	9,486	9,263	223	2.4	601	18	16	253	315
40 to 44 years											
45 to 54 years											
55 to 64 years	6,508	81.8	6,505	6,345	159	2.4	1,446	40	5	425	975
55 to 59 years	3,834	88.4	3,831	3,747	84	2.2	505	11	5	209	280
60 to 64 years	2,674	74.0	2,673	2,598	75	2.8	940	29	--	217	695
65 years and over	1,954	26.0	1,954	1,903	51	2.6	5,574	114	2	404	5,054
Negro and other races											
16 years and over	5,555	75.6	5,253	4,790	463	8.8	1,789	36	716	309	728
16 to 21 years	812	53.4	696	508	188	27.0	707	5	637	10	55
16 to 19 years	461	44.0	425	301	124	29.1	588	2	539	6	41
16 and 17 years	145	26.6	143	91	52	36.6	402	--	379	4	20
18 and 19 years	316	62.9	282	210	71	25.3	186	3	160	2	21
20 to 64 years	4,933	88.2	4,667	4,336	332	7.1	663	24	177	202	260
20 to 24 years	916	82.4	775	649	126	16.3	196	5	138	6	48
25 to 54 years	3,398	91.7	3,274	3,082	191	5.8	308	17	39	125	127
25 to 29 years	1,364	93.6	1,289	1,188	101	7.8	93	2	30	13	48
30 to 34 years	1,093	93.1	1,047	977	50	4.8	81	7	7	40	26
35 to 39 years	941	87.5	937	896	41	4.3	134	8	2	71	53
40 to 44 years											
45 to 54 years											
55 to 64 years	619	79.4	619	605	14	2.3	160	3	--	71	86
55 to 59 years	382	88.0	382	373	9	2.3	52	1	--	23	28
60 to 64 years	237	68.7	237	231	5	2.3	108	2	--	48	58
65 years and over	161	23.0	161	153	7	4.5	538	9	--	102	427

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

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALE											
16 years and over	32,749	44.0	32,709	30,530	2,179	6.7	41,724	34,887	4,432	835	1,571
16 to 21 years	5,290	47.4	5,271	4,542	730	13.8	5,882	1,638	4,028	17	198
16 to 19 years	3,178	41.6	3,169	2,644	526	16.6	4,462	809	3,492	11	149
16 and 17 years	1,280	32.8	1,280	1,051	229	17.9	2,624	193	2,364	1	67
18 and 19 years	1,899	50.8	1,890	1,593	297	15.7	1,838	617	1,128	10	82
20 to 64 years	28,503	51.3	28,473	26,861	1,612	5.7	27,092	25,122	932	298	740
20 to 24 years	5,208	58.7	5,189	4,729	459	8.9	3,659	2,795	732	18	115
25 to 54 years	18,996	51.5	18,984	17,944	1,041	5.5	17,860	17,106	192	149	414
25 to 29 years	3,468	48.0	3,463	3,216	247	7.1	3,752	3,567	79	22	83
30 to 34 years	2,762	46.2	2,760	2,571	189	6.8	3,220	3,100	34	11	75
35 to 39 years	2,814	50.6	2,813	2,630	183	6.5	2,751	2,637	34	22	58
40 to 44 years	3,232	54.3	3,230	3,061	169	5.2	2,721	2,633	23	23	42
45 to 49 years	3,501	55.7	3,500	3,368	132	3.8	2,780	2,658	14	27	81
50 to 54 years	3,219	55.0	3,219	3,098	121	3.8	2,636	2,510	7	45	74
55 to 64 years	4,300	43.6	4,300	4,188	112	2.6	5,572	5,222	9	130	211
55 to 59 years	2,628	49.6	2,628	2,554	74	2.8	2,666	2,526	5	58	76
60 to 64 years	1,671	36.5	1,671	1,633	38	2.3	2,906	2,696	4	72	135
65 years and over	1,067	9.5	1,067	1,025	42	3.9	10,170	8,955	7	526	681
65 to 69 years	660	17.3	660	628	32	4.9	3,150	2,924	3	58	165
70 years and over	407	5.5	407	397	10	2.4	7,020	6,031	4	468	516
White											
16 years and over	28,553	43.2	28,518	26,771	1,746	6.1	37,499	31,789	3,697	641	1,371
16 to 21 years	4,713	49.1	4,696	4,125	572	12.2	4,886	1,363	3,363	9	151
16 to 19 years	2,863	43.6	2,856	2,436	420	14.7	3,697	670	2,915	7	105
16 and 17 years	1,179	35.3	1,179	991	188	16.0	2,165	161	1,956	1	47
18 and 19 years	1,684	52.4	1,677	1,445	231	13.8	1,532	509	959	6	58
20 to 64 years	24,738	50.3	24,711	23,423	1,288	5.2	24,402	22,761	775	207	658
20 to 24 years	4,544	59.1	4,527	4,183	344	7.6	3,145	2,424	602	13	106
25 to 54 years	16,346	50.3	16,335	15,495	840	5.1	16,151	15,536	165	99	351
25 to 34 years	5,229	45.3	5,223	4,895	328	6.3	6,321	6,066	95	26	134
35 to 44 years	5,162	51.2	5,159	4,875	284	5.5	4,928	4,766	53	30	80
45 to 54 years	5,955	54.8	5,953	5,724	229	3.8	4,903	4,704	18	43	137
55 to 64 years	3,849	43.0	3,849	3,746	103	2.7	5,106	4,802	8	95	201
55 to 59 years	2,347	49.1	2,347	2,282	65	2.8	2,435	2,313	5	42	74
60 to 64 years	1,502	36.0	1,502	1,464	39	2.6	2,671	2,489	2	53	127
65 years and over	951	9.2	951	912	39	4.1	9,400	8,358	7	427	608
Negro and other races											
16 years and over	4,196	49.8	4,191	3,758	433	10.3	4,225	3,097	734	194	199
16 to 21 years	577	36.7	575	417	158	27.4	996	274	665	8	48
16 to 19 years	315	29.2	314	208	106	33.7	765	139	577	4	44
16 and 17 years	101	18.0	101	60	40	40.0	459	32	408	--	20
18 and 19 years	215	41.2	213	148	66	30.8	306	108	169	4	25
20 to 64 years	3,765	58.3	3,762	3,438	324	8.6	2,690	2,360	157	91	81
20 to 24 years	664	56.3	661	546	115	17.4	515	371	130	5	9
25 to 54 years	2,649	60.8	2,648	2,449	200	7.6	1,709	1,569	26	51	63
25 to 34 years	1,000	60.5	999	892	107	10.7	652	601	19	7	24
35 to 44 years	884	61.9	883	815	69	7.8	544	504	4	15	20
45 to 54 years	766	59.9	766	742	24	3.1	513	463	3	29	18
55 to 64 years	451	49.1	451	442	9	1.9	467	421	1	35	10
55 to 59 years	282	54.9	282	272	9	3.3	231	213	--	15	2
60 to 64 years	169	41.8	169	170	--	--	235	207	1	19	8
65 years and over	116	13.1	116	113	3	2.7	770	598	--	99	74

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	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
MALE								
16 years and over	54,604	54,054	79.3	79.8	51,926	52,015	78.5	78.9
16 to 19 years	4,250	4,074	54.5	53.7	3,923	3,706	52.5	51.3
16 and 17 years	1,731	1,662	43.3	42.5	1,702	1,631	42.9	42.1
18 and 19 years	2,519	2,412	66.3	65.4	2,221	2,074	63.4	61.9
20 to 24 years	7,560	7,360	84.6	85.3	6,215	5,764	81.9	81.9
25 to 54 years	33,553	33,330	95.4	95.9	32,550	32,259	95.3	95.8
25 to 34 years	12,396	12,047	95.9	96.5	11,795	11,399	95.7	96.3
35 to 44 years	10,676	10,794	96.9	97.0	10,332	10,437	96.8	96.9
45 to 54 years	10,481	10,489	93.4	94.1	10,422	10,423	93.4	94.1
55 to 64 years	7,127	7,107	81.6	82.4	7,123	7,106	81.6	82.4
55 to 59 years	4,216	4,236	88.3	89.5	4,213	4,233	88.3	89.5
60 to 64 years	2,911	2,871	73.5	73.8	2,910	2,871	73.5	73.8
65 years and over	2,114	2,183	25.7	26.9	2,114	2,182	25.7	26.9
White								
16 years and over	49,049	48,574	79.7	80.2	46,673	45,867	78.9	79.3
16 to 19 years	3,789	3,630	56.2	55.2	3,498	3,301	54.2	52.8
16 and 17 years	1,585	1,506	46.0	44.6	1,560	1,478	45.6	44.1
18 and 19 years	2,204	2,124	66.8	66.3	1,939	1,823	63.9	62.8
20 to 24 years	6,644	6,474	84.9	85.4	5,440	5,043	82.2	82.0
25 to 54 years	30,155	29,978	95.9	96.3	29,276	29,036	95.8	96.2
25 to 34 years	11,032	10,738	96.2	96.8	10,506	10,170	96.0	96.7
35 to 44 years	9,584	9,696	97.3	97.4	9,285	9,384	97.3	97.4
45 to 54 years	9,539	9,544	94.1	94.7	9,486	9,482	94.0	94.6
55 to 64 years	6,508	6,478	81.8	82.5	6,505	6,474	81.8	82.5
55 to 59 years	3,834	3,864	88.4	89.9	3,831	3,861	88.4	89.9
60 to 64 years	2,674	2,614	74.0	73.6	2,673	2,613	74.0	73.6
65 years and over	1,954	2,014	26.0	27.1	1,954	2,014	26.0	27.1
Negro and other races								
16 years and over	5,555	5,480	75.6	76.6	5,253	5,147	74.6	75.4
16 to 19 years	461	444	44.0	43.9	425	405	41.9	41.6
16 and 17 years	145	156	26.6	29.5	143	153	26.2	29.2
18 and 19 years	316	288	62.9	59.5	282	252	60.2	56.2
20 to 24 years	916	886	82.4	84.4	775	721	79.8	81.5
25 to 54 years	3,398	3,352	91.7	92.2	3,274	3,223	91.4	91.9
25 to 34 years	1,364	1,308	93.6	93.4	1,289	1,229	93.3	93.0
35 to 44 years	1,093	1,098	93.1	93.6	1,047	1,053	92.9	93.4
45 to 54 years	941	946	87.5	88.9	937	941	87.5	88.9
55 to 64 years	619	630	79.4	81.6	619	629	79.4	81.6
55 to 59 years	382	372	88.0	85.8	382	372	88.0	85.8
60 to 64 years	237	258	68.7	76.1	237	258	68.7	76.1
65 years and over	161	169	23.0	24.5	161	169	23.0	24.5

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

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
FEMALE								
16 years and over	32,749	32,201	44.0	44.0	32,709	32,160	43.9	44.0
16 to 19 years	3,178	3,230	41.6	43.3	3,169	3,220	41.5	43.3
16 and 17 years	1,280	1,313	32.8	34.3	1,280	1,313	32.8	34.3
18 and 19 years	1,899	1,917	50.8	53.0	1,890	1,908	50.7	52.9
20 to 24 years	5,208	5,033	58.7	58.7	5,189	5,014	58.6	58.6
25 to 54 years	18,996	18,648	51.5	51.2	18,984	18,636	51.5	51.1
25 to 34 years	6,229	5,831	47.2	45.7	6,223	5,824	47.2	45.6
35 to 44 years	6,046	6,097	52.5	52.4	6,042	6,092	52.5	52.3
45 to 54 years	6,721	6,720	55.4	55.8	6,719	6,719	55.4	55.8
55 to 64 years	4,300	4,235	43.6	43.7	4,300	4,235	43.6	43.7
55 to 59 years	2,628	2,575	49.6	49.3	2,628	2,575	49.6	49.3
60 to 64 years	1,671	1,660	36.5	37.1	1,671	1,660	36.5	37.1
65 years and over	1,067	1,055	9.5	9.6	1,067	1,055	9.5	9.6
White								
16 years and over	28,553	28,170	43.2	43.4	28,518	28,134	43.2	43.3
16 to 19 years	2,863	2,890	43.6	45.2	2,856	2,882	43.6	45.1
16 and 17 years	1,179	1,195	35.3	36.4	1,179	1,195	35.3	36.4
18 and 19 years	1,684	1,695	52.4	54.4	1,677	1,687	52.2	54.3
20 to 24 years	4,544	4,388	59.1	58.8	4,527	4,371	59.0	58.7
25 to 54 years	16,346	16,141	50.3	50.2	16,335	16,130	50.3	50.1
25 to 34 years	5,229	4,943	45.3	44.2	5,223	4,937	45.2	44.2
35 to 44 years	5,162	5,238	51.2	51.3	5,159	5,235	51.1	51.3
45 to 54 years	5,955	5,959	54.8	55.2	5,953	5,957	54.8	55.2
55 to 64 years	3,849	3,801	43.0	43.2	3,849	3,801	43.0	43.2
55 to 59 years	2,347	2,298	49.1	48.7	2,347	2,298	49.1	48.7
60 to 64 years	1,502	1,503	36.0	36.8	1,502	1,503	36.0	36.8
65 years and over	951	951	9.2	9.4	951	951	9.2	9.4
Negro and other races								
16 years and over	4,196	4,030	49.8	49.2	4,191	4,026	49.8	49.2
16 to 19 years	315	340	29.2	32.6	314	339	29.1	32.6
16 and 17 years	101	118	18.0	21.8	101	118	18.0	21.8
18 and 19 years	215	223	41.2	44.4	213	221	41.1	44.2
20 to 24 years	664	645	56.3	57.9	661	643	56.2	57.9
25 to 54 years	2,649	2,507	60.8	58.7	2,648	2,506	60.8	59.0
25 to 34 years	1,000	888	60.5	55.7	999	887	60.5	55.7
35 to 44 years	884	858	61.9	60.1	883	858	61.9	60.1
45 to 54 years	766	761	59.9	60.7	766	761	59.9	60.7
55 to 64 years	451	434	49.1	48.5	451	434	49.1	48.5
55 to 59 years	282	277	54.9	54.9	282	277	54.9	54.9
60 to 64 years	169	157	41.8	40.2	169	157	41.8	40.2
65 years and over	116	104	13.1	12.0	116	104	13.1	12.0

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

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total noninstitutional population	22,545	11,373	11,172	19,453	9,854	9,599	3,092	1,519	1,573
Total labor force	12,391	7,101	5,290	11,002	6,289	4,713	1,389	812	577
Percent of population	55.0	62.4	47.4	56.6	63.8	49.1	44.9	53.4	36.7
Civilian labor force	11,355	6,083	5,271	10,084	5,388	4,696	1,271	696	575
Employed	9,728	5,186	4,542	8,803	4,679	4,125	925	508	417
Agriculture	435	364	71	379	316	63	56	48	8
Nonagricultural industries	9,293	4,822	4,471	8,425	4,363	4,062	869	460	409
Unemployed	1,627	897	730	1,281	709	572	346	188	158
Percent of labor force	14.3	14.7	13.8	12.7	13.2	12.2	27.2	27.0	27.4
Looking for full-time work	869	483	386	657	356	301	212	127	85
Looking for part-time work	757	414	343	624	353	271	134	61	73
Not in labor force	10,154	4,272	5,882	8,451	3,565	4,886	1,703	707	996
Major activity: going to school									
Civilian labor force	3,501	1,965	1,536	3,187	1,800	1,388	314	166	148
Employed	2,787	1,553	1,234	2,613	1,460	1,154	174	94	80
Agriculture	159	141	18	140	126	14	19	15	4
Nonagricultural industries	2,628	1,412	1,216	2,473	1,333	1,140	155	79	76
Unemployed	714	412	302	574	340	234	140	72	68
Percent of labor force	20.4	21.0	19.6	18.0	18.9	16.9	44.6	43.5	45.9
Looking for full-time work	38	32	6	18	15	4	20	17	3
Looking for part-time work	675	380	295	556	325	230	120	55	65
Not in labor force	7,965	3,937	4,028	6,662	3,299	3,363	1,303	637	665
Major activity: other									
Civilian labor force	7,854	4,118	3,736	6,897	3,588	3,309	957	530	427
Employed	6,941	3,633	3,308	6,190	3,219	2,971	751	414	337
Agriculture	276	223	53	239	190	49	37	33	4
Nonagricultural industries	6,665	3,410	3,255	5,951	3,029	2,922	714	381	333
Unemployed	913	485	428	707	369	338	206	116	90
Percent of labor force	11.6	11.8	11.5	10.2	10.3	10.2	21.5	21.9	21.0
Looking for full-time work	831	451	380	639	341	298	192	110	82
Looking for part-time work	82	34	48	68	28	40	14	6	8
Not in labor force	2,189	336	1,853	1,789	265	1,523	400	70	330

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	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total								
Total noninstitutional population	143,321	140,886	61,052	60,137	66,832	65,714	15,437	15,035
Total labor force	87,352	86,254	50,354	49,980	29,570	28,971	7,428	7,304
Percent of population	60.9	61.2	82.5	83.1	44.2	44.1	48.1	48.6
Civilian labor force	84,635	83,175	48,003	47,309	29,540	28,940	7,093	6,926
Employed	80,065	78,916	46,247	45,673	27,886	27,449	5,932	5,794
Agriculture	3,470	3,394	2,531	2,500	595	580	344	314
Nonagricultural industries	76,595	75,522	43,717	43,173	27,291	26,869	5,588	5,480
Unemployed	4,570	4,259	1,755	1,636	1,654	1,491	1,161	1,132
Percent of labor force	5.4	5.1	3.7	3.5	5.6	5.2	16.4	16.3
Not in labor force	55,968	54,631	10,698	10,157	37,262	36,743	8,009	7,731
White								
Total noninstitutional population	127,555	125,539	54,757	53,992	59,491	58,567	13,308	12,981
Total labor force	77,601	76,744	45,260	44,944	25,689	25,281	6,652	6,520
Percent of population	60.8	61.1	82.7	83.2	43.2	43.2	50.0	50.2
Civilian labor force	75,191	74,001	43,175	42,566	25,662	25,252	6,354	6,183
Employed	71,516	70,495	41,758	41,199	24,335	24,013	5,423	5,283
Agriculture	3,153	3,012	2,305	2,238	548	502	300	272
Nonagricultural industries	68,364	67,484	39,453	39,961	23,787	23,511	5,123	5,012
Unemployed	3,674	3,506	1,417	1,367	1,327	1,239	931	900
Percent of labor force	4.9	4.7	3.3	3.2	5.2	4.9	14.7	14.6
Not in labor force	49,954	48,794	9,497	9,048	33,802	33,286	6,656	6,461
Negro and other races								
Total noninstitutional population	15,765	15,347	6,295	6,145	7,341	7,147	2,129	2,054
Total labor force	9,751	9,510	5,094	5,036	3,881	3,690	776	874
Percent of population	61.9	62.0	80.9	81.9	52.9	51.6	36.5	38.2
Civilian labor force	9,444	9,173	4,828	4,742	3,878	3,687	738	744
Employed	8,548	8,420	4,489	4,474	3,551	3,436	509	510
Agriculture	317	383	226	262	47	78	45	42
Nonagricultural industries	8,231	8,037	4,263	4,212	3,503	3,357	464	468
Unemployed	895	753	339	268	327	251	230	234
Percent of labor force	9.5	8.2	7.0	5.7	8.4	6.8	31.1	31.5
Not in labor force	6,014	5,837	1,201	1,109	3,460	3,457	1,353	1,270

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

October 1971

(In thousands)

Age and sex	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
16 years and over	71,685	65,844	2,455	3,386	4.7	12,950	11,766	1,184	9.1
16 to 21 years	6,620	5,229	521	869	13.1	4,735	3,977	757	16.0
16 to 19 years	3,257	2,400	328	529	16.2	3,836	3,204	632	16.5
16 and 17 years	533	332	75	125	23.5	2,449	2,013	436	17.8
18 and 19 years	2,724	2,068	253	404	14.8	1,386	1,191	195	14.1
20 years and over	68,428	63,444	2,128	2,857	4.2	9,114	8,562	553	6.1
20 to 24 years	9,729	8,473	446	810	8.3	1,675	1,477	198	11.8
25 years and over	58,699	54,971	1,682	2,047	3.5	7,439	7,085	355	4.8
25 to 54 years	46,632	43,673	1,213	1,746	3.7	4,902	4,632	270	5.5
55 years and over	12,067	11,297	469	301	2.5	2,537	2,453	85	3.4
MALE									
16 years and over	47,302	44,208	1,230	1,865	3.9	4,623	4,098	526	11.4
16 to 21 years	3,570	2,812	275	483	13.5	2,513	2,099	414	16.5
16 to 19 years	1,824	1,371	174	279	15.3	2,099	1,743	357	17.0
20 years and over	45,479	42,836	1,056	1,586	3.5	2,524	2,355	169	6.7
20 to 24 years	5,432	4,727	248	457	8.4	783	691	92	11.7
25 years and over	40,047	38,109	808	1,129	2.8	1,741	1,664	77	4.4
25 to 54 years	31,899	30,412	553	934	2.9	649	609	41	6.3
55 years and over	8,147	7,697	255	195	2.4	1,092	1,054	36	3.3
FEMALE									
16 years and over	24,382	21,636	1,226	1,521	6.2	8,327	7,668	658	7.9
16 to 21 years	3,050	2,418	246	386	12.7	2,221	1,878	343	15.5
16 to 19 years	1,433	1,029	154	250	17.5	1,736	1,461	275	15.8
20 years and over	22,949	20,607	1,072	1,270	5.5	6,590	6,207	383	5.8
20 to 24 years	4,297	3,746	198	353	8.2	892	786	107	11.9
25 years and over	18,652	16,861	874	917	4.9	5,698	5,421	276	4.8
25 to 54 years	14,732	13,261	660	812	5.5	4,251	4,023	228	5.4
55 years and over	3,920	3,600	214	105	2.7	1,447	1,398	47	3.2

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

A- 8: Unemployed persons by sex and age

	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total, 16 years and over	2,391	2,238	4.6	4.4	2,179	2,021	6.7	6.3
16 to 19 years	635	602	16.2	16.2	526	530	16.6	16.5
16 and 17 years	333	360	19.5	18.4	229	232	17.9	17.7
18 and 19 years	302	302	13.6	14.6	297	298	15.7	15.6
20 years and over	1,755	1,636	3.7	3.5	1,654	1,491	5.6	5.2
20 to 24 years	549	536	8.8	9.3	459	390	8.9	7.8
25 years and over	1,207	1,100	2.9	2.6	1,194	1,101	4.9	4.6
25 to 34 years	444	372	3.8	3.3	435	367	7.0	6.3
35 to 44 years	268	239	2.6	2.3	352	336	5.8	5.5
45 to 54 years	264	242	2.5	2.3	253	242	3.8	3.6
55 to 64 years	173	177	2.4	2.5	112	130	2.6	3.1
55 to 59 years	93	111	2.2	2.6	74	78	2.8	3.0
60 to 64 years	81	66	2.8	2.3	38	52	2.3	3.1
65 years and over	58	70	2.7	3.2	42	26	3.9	2.5
Household head, 16 years and over	1,180	1,144	2.8	2.7	347	305	4.9	4.6
16 to 24 years	173	221	4.7	6.4	70	49	8.9	6.9
25 to 54 years	787	690	2.6	2.3	206	193	5.3	5.1
55 years and over	220	232	2.5	2.6	70	63	3.0	2.9

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	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total, 16 years and over	2,391	2,238	4.6	4.4	2,179	2,021	6.7	6.3
Married, spouse present	968	978	2.5	2.5	1,118	1,020	5.8	5.4
Widowed, divorced, or separated	201	187	6.8	6.6	348	320	5.7	5.4
Single (never married)	1,222	1,073	12.6	11.8	713	680	9.8	9.4
Total, 20 to 64 years of age	1,697	1,566	3.7	3.5	1,612	1,465	5.7	5.3
Married, spouse present	904	895	2.4	2.4	1,041	948	5.6	5.2
Widowed, divorced, or separated	192	169	7.2	6.8	318	292	5.8	5.6
Single (never married)	601	501	10.2	9.0	253	226	5.8	5.3
White, 16 years and over	1,928	1,855	4.1	4.0	1,746	1,651	6.1	5.9
Married, spouse present	816	858	2.3	2.4	936	908	5.4	5.3
Widowed, divorced, or separated	150	146	6.5	6.5	272	235	5.5	5.0
Single (never married)	962	850	11.4	10.7	539	508	8.5	8.0
White, 20 to 64 years of age	1,366	1,303	3.3	3.2	1,288	1,215	5.2	5.0
Married, spouse present	758	781	2.2	2.3	864	846	5.2	5.1
Widowed, divorced, or separated	144	132	6.9	6.7	244	214	5.7	5.2
Single (never married)	464	390	9.1	8.2	181	155	4.8	4.2
Negro and other races, 16 years and over	463	383	8.8	7.4	433	370	10.3	9.2
Married, spouse present	152	120	4.5	3.5	182	112	9.0	5.7
Widowed, divorced, or separated	50	41	7.9	7.0	76	86	6.2	7.1
Single (never married)	260	222	20.9	18.7	175	172	18.7	19.9
Negro and other races, 20 to 64 years of age	332	261	7.1	5.7	324	250	8.6	7.0
Married, spouse present	147	114	4.5	3.5	177	103	9.0	5.5
Widowed, divorced, or separated	48	37	8.0	7.0	74	76	6.5	6.8
Single (never married)	137	111	16.5	13.7	72	70	11.2	12.3

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total.....	4,570	4,259	5.4	5.1	4.6	4.4	6.7	6.3
White-collar workers.....	1,383	1,212	3.4	3.1	2.4	2.2	4.6	4.1
Professional and technical.....	316	208	2.7	1.8	2.4	1.8	3.1	1.7
Managers, officials, and proprietors.....	150	125	1.6	1.5	1.5	1.3	2.3	2.2
Clerical workers.....	709	669	5.0	4.7	3.9	3.8	5.3	5.0
Sales workers.....	208	210	3.9	4.1	2.6	2.9	5.6	5.5
Blue-collar workers.....	1,842	1,874	6.3	6.3	5.7	5.5	9.2	10.0
Craftsmen and foremen.....	426	365	4.0	3.4	3.9	3.4	7.3	3.9
Carpenters and other construction craftsmen.....	177	145	5.4	4.8	5.4	4.9	8.7	--
All other.....	249	220	3.4	2.9	3.1	2.8	7.2	4.0
Operatives.....	989	1,122	7.0	7.5	5.8	6.1	9.4	10.4
Drivers and deliverymen.....	128	116	4.6	4.3	4.7	4.2	2.7	6.0
All other.....	861	1,006	7.6	8.2	6.2	6.8	9.6	10.5
Nonfarm laborers.....	427	387	9.5	9.9	9.6	9.7	8.2	13.7
Construction laborers.....	108	138	10.6	15.1	10.6	15.0	(1)	(1)
All other.....	319	249	9.2	8.3	9.3	8.0	8.6	12.7
Service workers.....	673	579	5.9	5.6	5.5	5.0	6.2	5.8
Private household.....	60	69	4.0	4.2	--	--	4.0	4.4
All other.....	613	510	6.2	5.8	5.5	5.1	6.8	6.3
Farmers and farm laborers.....	54	79	1.7	2.5	1.5	2.3	2.5	3.6
No previous work experience.....	618	514	--	--	--	--	--	--
16 to 19 years.....	476	406	--	--	--	--	--	--
20 to 24 years.....	89	69	--	--	--	--	--	--
25 years and over.....	53	39	--	--	--	--	--	--

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	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total.....	100.0	100.0	5.4	5.1	4.6	4.4	6.7	6.3
Private wage and salary workers.....	73.8	77.6	5.5	5.5	4.9	4.8	6.6	6.5
Mining.....	.4	.4	3.7	3.3	3.7	3.4	4.1	--
Construction.....	6.6	7.6	7.2	8.2	7.2	8.3	6.9	5.5
Manufacturing.....	26.2	31.0	5.9	6.2	4.7	5.0	8.7	9.1
Durable goods.....	15.9	19.6	6.1	6.7	5.3	5.7	9.3	10.3
Primary metal industries.....	3.1	1.7	11.1	5.7	10.9	5.4	12.7	9.2
Fabricated metal products.....	2.0	2.6	6.2	6.7	4.6	5.0	11.3	13.5
Machinery.....	2.1	3.3	4.8	5.9	4.2	5.3	8.6	9.1
Electrical equipment.....	2.1	4.0	4.6	8.0	2.8	4.8	7.4	12.5
Motor vehicles and equipment.....	.8	1.9	3.3	7.0	2.7	7.1	9.1	6.3
All other transportation equipment.....	2.1	2.0	9.9	7.6	8.3	7.0	18.9	12.0
Other durable goods industries.....	3.7	3.9	5.7	6.3	5.0	5.9	8.2	7.5
Nondurable goods.....	10.3	11.4	5.5	5.5	3.7	3.9	8.3	8.1
Food and kindred products.....	2.9	2.7	7.2	6.1	4.8	5.0	13.6	9.3
Textile mill products.....	1.0	1.6	4.7	6.8	3.3	3.7	6.6	10.5
Apparel and other finished textile products.....	2.7	3.1	8.4	9.3	6.1	10.9	9.0	8.8
Other nondurable goods industries.....	3.7	3.9	4.0	3.8	3.1	2.8	6.1	6.2
Transportation and public utilities.....	3.6	3.1	3.7	2.9	3.6	2.6	4.1	3.7
Railroads and railway express.....	.9	.4	5.9	2.7	6.1	1.7	(1)	(1)
Other transportation.....	1.7	1.7	4.0	3.8	3.9	3.9	4.5	3.2
Communication and other public utilities.....	1.1	.9	2.6	2.1	1.7	1.4	3.9	3.1
Wholesale and retail trade.....	18.9	18.1	5.8	5.5	4.9	4.2	7.1	7.3
Finance, insurance, and real estate.....	2.6	2.9	3.1	3.3	1.8	2.5	4.3	4.1
Service industries.....	15.4	14.5	5.5	5.0	5.7	5.1	5.5	5.0
Professional services.....	5.5	4.4	3.8	3.1	3.3	2.7	4.1	3.2
All other service industries.....	9.8	10.1	7.4	7.0	7.6	7.0	7.2	7.0
Agricultural wage and salary workers.....	1.6	2.0	5.8	6.9	5.5	6.4	7.5	10.1
All other classes of workers.....	11.0	8.3	2.3	1.7	1.8	1.3	3.1	2.2
No previous work experience.....	13.5	12.1	--	--	--	--	--	--

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

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

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Negro and other races	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Unemployment level												
Total unemployed, in thousands	4,570	4,259	1,755	1,636	1,654	1,491	1,161	1,132	3,674	3,506	895	753
Lost last job	1,875	1,866	1,123	1,063	573	610	179	193	1,519	1,538	356	328
Left last job	575	629	213	235	239	246	123	148	485	542	91	88
Reentered labor force	1,504	1,254	374	287	746	579	384	388	1,197	1,034	307	219
Never worked before	616	510	45	51	96	56	474	404	474	392	142	118
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	41.0	43.8	64.0	65.0	34.6	40.9	15.4	17.0	41.3	43.9	39.7	43.6
Left last job	12.6	14.8	12.1	14.4	14.4	16.5	10.6	13.1	13.2	15.5	10.2	11.7
Reentered labor force	32.9	29.4	21.3	17.5	45.1	38.8	33.1	34.2	32.6	29.5	34.3	29.1
Never worked before	13.5	12.0	2.6	3.1	5.8	3.8	40.9	35.7	12.9	11.2	15.8	15.7
Unemployment rate												
Total unemployment rate	5.4	5.1	3.7	3.5	5.6	5.2	16.4	16.3	4.9	4.7	9.5	8.2
Job-loser rate ¹	2.2	2.2	2.3	2.2	1.9	2.1	2.5	2.8	2.0	2.1	3.8	3.6
Job-leaver rate ¹ . . . . .	.7	.8	.4	.5	.8	.9	1.7	2.1	.6	.7	1.0	1.0
Reentrant rate ¹	1.8	1.5	.8	.6	2.5	2.0	5.4	5.6	1.6	1.4	3.3	2.4
New entrant rate ¹ . . . . .	.7	.6	.1	.1	.3	.2	6.7	5.8	.6	.5	1.5	1.3

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

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

October 1971
(Percent distribution)

Reason, sex, and age	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	4,570	100.0	45.6	30.2	24.2	12.6	11.5
Lost last job	1,875	100.0	37.9	28.9	33.2	16.2	17.0
Left last job	575	100.0	45.9	34.6	19.5	9.6	9.9
Reentered labor force	1,504	100.0	54.2	31.0	14.8	7.7	7.1
Never worked before	616	100.0	47.9	28.4	23.7	16.7	7.0
Male, 20 years and over	1,755	100.0	38.4	30.4	31.2	15.5	15.6
Lost last job	1,123	100.0	36.1	29.1	34.8	16.8	18.0
Left last job	213	100.0	40.8	33.8	25.4	11.7	13.6
Reentered labor force	374	100.0	44.0	32.8	23.2	13.6	9.6
Never worked before	45	100.0	39.1	30.4	30.4	15.2	15.2
Female, 20 years and over	1,654	100.0	47.8	31.1	21.1	9.9	11.2
Lost last job	573	100.0	35.8	29.5	34.7	16.8	18.0
Left last job	239	100.0	40.8	38.3	20.8	11.7	9.2
Reentered labor force	746	100.0	57.8	30.8	11.4	4.3	7.1
Never worked before	96	100.0	58.8	24.7	16.5	8.2	8.2
Both sexes, 16 to 19 years	1,161	100.0	53.1	28.8	18.1	12.2	5.9
Lost last job	179	100.0	55.0	27.2	17.8	10.6	7.2
Left last job	123	100.0	64.8	27.9	7.4	1.6	5.7
Reentered labor force	384	100.0	57.0	29.4	13.5	8.6	4.9
Never worked before	474	100.0	46.4	29.1	24.5	18.4	6.1

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	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total	4,570	4,259	100.0	100.0	1,527	1,449	100.0	100.0
Less than 5 weeks	2,084	2,254	45.6	52.9	592	694	38.8	47.9
5 to 14 weeks	1,382	1,329	30.2	31.2	448	465	29.3	32.1
5 to 10 weeks	1,097	1,097	24.0	25.8	341	363	22.3	25.1
11 to 14 weeks	285	232	6.2	5.4	107	102	7.0	7.0
15 weeks and over	1,104	676	24.2	15.9	487	290	31.9	20.0
15 to 26 weeks	578	446	12.6	10.5	244	166	16.0	11.5
27 weeks and over	526	230	11.5	5.4	243	124	15.9	8.6
Average (mean) duration	12.1	8.4	--	--	15.2	10.1	--	--

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

October 1971

Sex, age, color, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total	4,570	2,084	1,382	578	526	12.1	45.6	52.9	24.2	15.9
16 to 21 years	1,627	847	490	187	102	9.2	52.1	57.6	17.8	9.4
16 to 19 years	1,161	617	334	142	68	8.6	53.2	56.7	18.1	9.9
20 to 24 years	1,008	487	348	85	88	10.4	48.3	57.5	17.2	12.8
25 to 44 years	1,499	651	434	222	192	12.5	43.4	52.8	27.6	17.3
45 years and over	902	328	266	129	179	17.8	36.4	43.4	34.1	24.6
Male	2,391	999	725	353	315	13.7	41.8	50.6	27.9	16.9
16 to 21 years	897	450	275	110	62	9.7	50.2	57.3	19.2	9.8
16 to 19 years	635	324	191	80	41	9.1	50.9	56.0	19.0	9.8
20 to 24 years	549	248	189	53	60	11.4	45.1	58.6	20.5	13.6
25 to 44 years	712	257	213	127	113	14.9	36.1	46.2	34.0	20.1
45 years and over	495	170	132	92	100	20.2	34.4	40.7	38.9	25.5
Female	2,179	1,085	657	226	212	10.3	49.8	55.5	20.1	14.7
16 to 21 years	730	397	215	78	40	8.5	54.4	57.8	16.1	9.0
16 to 19 years	526	294	143	62	27	7.8	55.9	57.5	16.9	10.0
20 to 24 years	459	239	160	32	28	9.2	52.1	56.0	13.2	11.8
25 to 44 years	787	394	221	95	77	10.3	50.1	58.6	21.9	14.8
45 years and over	407	158	134	36	78	14.9	38.8	46.8	28.3	23.5
White: Total	3,674	1,700	1,089	464	422	12.0	46.3	53.8	24.1	15.9
Male	1,928	816	567	293	252	13.6	42.3	51.8	28.3	16.7
Female	1,746	884	522	171	170	10.2	50.6	56.1	19.5	15.0
Negro and other races: Total	895	384	293	114	105	12.5	42.8	48.8	24.4	15.8
Male	463	183	158	59	63	14.1	39.5	44.9	26.4	18.0
Female	433	201	135	55	42	10.8	46.4	52.9	22.3	13.4
Male: Married, wife present	968	358	293	154	162	16.1	37.0	47.2	32.7	19.8
Widowed, divorced, or separated	201	80	48	36	37	2.4	39.7	47.0	36.6	19.1
Single (never married)	1,222	560	384	162	115	10.9	45.9	54.4	22.7	13.9
Female: Married, husband present	1,118	548	356	92	122	10.5	49.0	56.4	19.1	16.0
Widowed, divorced, or separated	348	162	93	50	43	2.8	46.6	52.5	26.7	15.7
Single (never married)	713	375	209	84	47	9.4	52.5	55.6	18.3	12.2

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Oct.	Oct.	Oct.	Oct.
							1971	1970	1971	1970
OCCUPATION										
White-collar workers	1,383	637	421	157	168	12.3	46.1	53.6	23.5	15.4
Professional and managerial	466	184	145	57	79	15.4	39.5	49.2	29.2	18.6
Clerical workers	709	344	223	70	72	10.9	48.5	55.1	20.1	15.1
Sales workers	208	108	53	30	17	9.7	52.1	56.2	22.3	11.1
Blue-collar workers	1,842	776	584	245	236	13.1	42.1	52.2	26.2	17.0
Craftsmen and foremen	426	174	132	63	57	14.4	40.9	48.3	28.2	18.1
Operatives	989	407	305	133	145	13.5	41.2	53.9	28.0	18.0
Nonfarm laborers	427	195	148	49	35	10.8	45.6	50.6	19.8	13.1
Service workers	673	338	190	70	75	11.1	50.1	56.6	21.6	11.9
INDUSTRY¹										
Agriculture	75	48	18	6	3	6.6	(2)	(2)	(2)	(2)
Construction	313	137	117	38	21	10.9	43.9	52.9	18.8	15.4
Manufacturing	1,216	468	394	166	188	14.2	38.5	49.7	29.1	18.4
Durable goods	739	235	257	106	140	16.2	31.7	45.9	33.4	19.1
Nondurable goods	477	234	136	60	47	11.2	48.9	56.1	22.5	17.1
Transportation and public utilities	173	92	49	16	16	10.5	53.5	60.1	18.4	12.5
Wholesale and retail trade	866	438	224	100	104	11.5	50.6	54.3	23.6	15.8
Finance and service industries	1,052	473	350	117	113	11.5	45.0	57.0	21.9	12.4
Public administration	138	64	31	21	23	15.9	46.1	47.7	31.4	15.8
No previous work experience	618	297	175	103	43	10.4	48.0	48.6	23.6	18.2

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	
	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
	1971	1970	1971	1970	1971	1970
All industries	80,065	78,916	49,535	48,777	30,530	30,139
16 to 19 years	5,932	5,794	3,288	3,104	2,644	2,690
16 and 17 years	2,421	2,412	1,370	1,331	1,051	1,081
18 and 19 years	3,511	3,382	1,918	1,772	1,593	1,610
20 to 24 years	10,396	9,852	5,666	5,228	4,729	4,624
25 to 54 years	49,518	49,096	31,575	31,406	17,943	17,690
25 to 34 years	17,138	16,484	11,351	11,027	5,787	5,457
35 to 44 years	15,755	15,954	10,065	10,198	5,690	5,756
45 to 54 years	16,625	16,658	10,159	10,181	6,466	6,477
55 to 64 years	11,132	11,032	6,950	6,927	4,188	4,105
55 to 59 years	6,675	6,619	4,121	4,122	2,554	2,497
60 to 64 years	4,463	4,413	2,829	2,805	1,633	1,608
65 years and over	3,082	3,141	2,057	2,112	1,025	1,029
Nonagricultural industries	76,595	75,522	46,714	46,006	29,881	29,516
16 to 19 years	5,588	5,480	2,997	2,833	2,590	2,647
16 and 17 years	2,239	2,239	1,206	1,188	1,033	1,051
18 and 19 years	3,349	3,242	1,792	1,645	1,557	1,597
20 to 24 years	10,141	9,623	5,450	5,037	4,692	4,586
25 to 54 years	47,825	47,402	30,279	30,084	17,545	17,318
25 to 34 years	16,668	16,042	10,973	10,667	5,695	5,375
35 to 44 years	15,204	15,357	9,665	9,744	5,539	5,613
45 to 54 years	15,953	16,003	9,641	9,673	6,311	6,330
55 to 64 years	10,448	10,351	6,373	6,364	4,075	3,987
55 to 59 years	6,299	6,273	3,815	3,850	2,484	2,422
60 to 64 years	4,149	4,078	2,558	2,514	1,591	1,564
65 years and over	2,594	2,666	1,615	1,688	979	978
Agriculture	3,470	3,394	2,821	2,771	649	623
16 to 19 years	344	314	290	271	54	43
16 and 17 years	182	173	164	143	18	30
18 and 19 years	163	141	127	127	36	13
20 to 24 years	254	229	217	191	38	38
25 to 54 years	1,693	1,694	1,296	1,322	397	372
25 to 34 years	470	442	378	360	82	82
35 to 44 years	551	597	400	454	151	143
45 to 54 years	672	655	518	508	154	147
55 to 64 years	690	681	577	563	113	118
55 to 59 years	376	346	306	272	70	74
60 to 64 years	314	335	271	291	42	44
65 years and over	488	475	441	424	47	51

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	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total	80,065	78,916	46,247	45,673	27,886	27,449	3,288	3,104	2,644	2,690
White-collar workers	38,889	38,237	19,814	19,372	17,132	16,733	578	616	1,364	1,516
Professional and technical	11,389	11,384	6,825	6,778	4,417	4,435	75	84	72	86
Medical and other health	1,812	1,839	685	663	1,111	1,146	3	4	13	26
Teachers, except college	2,904	2,616	868	806	2,014	1,804	6	2	17	5
Other professional and technical	6,673	6,928	5,272	5,310	1,291	1,485	66	78	42	55
Managers, officials, and proprietors	8,973	8,357	7,310	6,932	1,617	1,372	33	41	13	13
Salaried workers	6,729	6,115	5,539	5,112	1,150	952	30	39	11	12
Self-employed workers in retail trade	1,102	1,085	800	819	296	263	4	1	2	1
Self-employed workers, except retail trade	1,142	1,157	971	1,000	171	157	--	--	--	--
Clerical workers	13,460	13,548	3,039	3,087	9,220	9,075	235	268	967	1,118
Stenographers, typists, and secretaries	3,735	3,473	54	63	3,391	3,091	5	4	285	315
Other clerical workers	9,725	10,075	2,985	3,024	5,829	5,984	230	264	682	803
Sales workers	5,066	4,948	2,639	2,575	1,879	1,852	235	223	313	299
Retail trade	2,998	3,011	915	947	1,592	1,589	203	193	288	281
Other sales workers	2,069	1,937	1,725	1,628	287	262	32	30	25	17
Blue-collar workers	27,428	27,781	20,783	21,290	4,506	4,541	1,885	1,696	294	254
Craftsmen and foremen	10,204	10,317	9,581	9,716	385	371	227	216	11	14
Carpenters	935	872	908	856	3	1	24	16	--	--
Construction craftsmen, except carpenters	2,143	1,992	2,074	1,930	17	19	50	41	2	2
Mechanics and repairmen	2,462	2,828	2,330	2,698	38	31	93	92	2	6
Metal craftsmen, except mechanics	1,154	1,192	1,123	1,153	16	17	14	20	--	1
Other craftsmen and kindred workers	2,173	1,918	1,919	1,686	207	186	40	42	7	5
Foremen, not elsewhere classified	1,338	1,516	1,227	1,394	104	116	7	6	--	--
Operatives	13,159	13,923	8,233	8,869	3,904	4,050	775	784	246	219
Drivers and deliverymen	2,636	2,601	2,363	2,361	126	106	143	131	5	3
Other operatives	10,523	11,322	5,870	6,508	3,778	3,944	632	653	241	216
Durable goods manufacturing	4,722	4,559	3,214	3,097	1,248	1,251	187	189	73	42
Nondurable goods manufacturing	3,564	3,810	1,402	1,582	1,930	1,987	111	124	122	118
Other industries	2,236	2,953	1,255	1,830	600	706	334	359	47	57
Nonfarm laborers	4,065	3,541	2,969	2,705	216	120	844	696	37	21
Construction	916	774	775	693	7	4	133	77	--	--
Manufacturing	1,034	976	834	781	67	55	133	134	--	5
Other industries	2,115	1,791	1,359	1,231	142	61	578	484	37	16
Service workers	10,678	9,844	3,396	2,754	5,727	5,654	618	554	937	881
Private household workers	1,443	1,565	25	27	1,105	1,212	4	10	309	316
Service workers, except private household ..	9,235	8,279	3,371	2,727	4,622	4,442	614	554	628	565
Protective service workers	1,106	991	1,039	922	54	60	12	6	1	2
Waiters, cooks, and bartenders	2,328	2,288	422	431	1,421	1,432	157	131	327	293
Other service workers	5,801	5,000	1,909	1,374	3,147	2,949	444	407	301	270
Farm workers	3,069	3,054	2,254	2,257	521	521	246	238	48	40
Farmers and farm managers	1,678	1,705	1,587	1,621	85	74	5	9	1	1
Farm laborers and foremen	1,392	1,349	667	636	436	447	241	228	48	39
Paid workers	904	874	618	590	136	119	130	152	20	14
Unpaid family workers	488	475	49	46	300	328	111	76	28	25

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

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total						
Total employed (thousands)	80,065	78,916	49,535	48,777	30,530	30,139
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	48.6	48.5	41.2	41.0	60.6	60.5
Professional and technical	14.2	14.4	13.9	14.1	14.7	15.0
Managers, officials, and proprietors	11.2	10.6	14.8	14.3	5.3	4.6
Clerical workers	16.8	17.2	6.6	6.9	33.4	33.8
Sales workers	6.3	6.3	5.8	5.7	7.2	7.1
Blue-collar workers	34.3	35.2	45.7	47.1	15.7	15.9
Craftsmen and foremen	12.7	13.1	19.8	20.4	1.3	1.3
Operatives	16.4	17.6	18.2	19.8	13.6	14.2
Nonfarm laborers	5.1	4.5	7.7	7.0	.8	.5
Service workers	13.3	12.5	8.1	6.8	21.8	21.7
Private household workers	1.8	2.0	.1	.1	4.6	5.1
Other service workers	11.5	10.5	8.0	6.7	17.2	16.6
Farm workers	3.8	3.9	5.0	5.1	1.9	1.9
Farmers and farm managers	2.1	2.2	3.2	3.3	.3	.2
Farm laborers and foremen	1.7	1.7	1.8	1.8	1.6	1.6
White						
Total employed (thousands)	71,516	70,495	44,745	44,012	26,771	26,483
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.9	51.0	43.1	43.1	63.9	64.0
Professional and technical	14.8	15.1	14.5	14.7	15.3	15.6
Managers, officials, and proprietors	12.0	11.4	15.8	15.4	5.7	4.9
Clerical workers	17.2	17.7	6.5	6.9	35.0	35.7
Sales workers	6.8	6.8	6.2	6.1	7.9	7.8
Blue-collar workers	33.6	34.2	44.5	45.6	15.3	15.3
Craftsmen and foremen	13.4	13.6	20.6	21.0	1.3	1.3
Operatives	15.8	16.8	17.3	18.8	13.2	13.6
Nonfarm laborers	4.5	3.8	6.7	5.8	.8	.4
Service workers	11.6	10.9	7.3	6.1	18.9	18.8
Private household workers	1.2	1.3	.1	.1	3.1	3.4
Other service workers	10.5	9.6	7.3	6.1	15.8	15.4
Farm workers	3.9	3.9	5.1	5.1	1.9	1.8
Farmers and farm managers	2.3	2.3	3.4	3.5	.3	.3
Farm laborers and foremen	1.7	1.6	1.7	1.6	1.6	1.5
Negro and other races						
Total employed (thousands)	8,548	8,420	4,790	4,764	3,758	3,656
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	29.4	27.2	23.2	20.9	37.3	35.3
Professional and technical	9.3	8.9	8.6	7.8	10.3	10.4
Managers, officials, and proprietors	4.2	3.5	5.3	4.4	2.8	2.3
Clerical workers	13.8	12.7	7.4	6.8	21.9	20.4
Sales workers	2.0	2.1	1.9	2.0	2.3	2.3
Blue-collar workers	40.0	43.3	56.7	61.1	18.7	20.0
Craftsmen and foremen	7.6	8.5	12.8	14.2	1.0	1.0
Operatives	22.2	24.5	26.6	29.3	16.5	18.2
Nonfarm laborers	10.3	10.3	17.3	17.6	1.2	.8
Service workers	27.5	25.6	15.6	12.7	42.7	42.5
Private household workers	7.0	7.7	.1	.2	15.6	17.4
Other service workers	20.5	17.9	15.4	12.5	27.1	25.1
Farm workers	3.1	3.9	4.6	5.3	1.3	2.2
Farmers and farm managers	.7	1.0	1.2	1.7	.1	.1
Farm laborers and foremen	2.4	3.0	3.4	3.6	1.2	2.2

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

A-20: Employed persons by class of worker, sex, and age
 October 1971
 (In thousands)

Age and sex	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total	70,686	1,677	13,074	55,936	5,392	517	1,204	1,763	504
16 to 19 years.....	5,479	399	451	4,629	77	32	188	18	138
16 and 17 years.....	2,174	310	155	1,709	46	18	78	10	94
18 and 19 years.....	3,305	89	296	2,920	31	13	110	8	45
20 to 24 years.....	9,920	73	1,644	8,202	208	13	163	60	32
25 to 34 years.....	15,736	144	2,869	12,722	846	86	218	195	58
35 to 44 years.....	13,932	182	2,836	10,913	1,150	122	191	265	94
45 to 54 years.....	14,327	304	3,060	10,963	1,462	164	174	408	90
55 to 64 years.....	9,241	345	1,896	7,000	1,127	79	162	461	67
55 to 59 years.....	5,590	180	1,156	4,254	653	55	89	243	45
60 to 64 years.....	3,651	165	740	2,746	474	24	73	218	22
65 years and over.....	2,051	229	317	1,506	522	20	107	356	25
Male	42,643	200	7,115	35,328	4,020	51	996	1,665	160
16 to 19 years.....	2,920	79	187	2,654	52	26	163	17	111
16 and 17 years.....	1,165	60	79	1,026	27	13	73	10	80
18 and 19 years.....	1,755	20	107	1,628	24	12	89	7	30
20 to 24 years.....	5,312	10	707	4,595	132	5	138	57	22
25 to 34 years.....	10,357	8	1,636	8,713	607	8	179	185	14
35 to 44 years.....	8,748	13	1,582	7,152	916	1	146	251	3
45 to 54 years.....	8,552	15	1,747	6,789	1,084	5	135	383	--
55 to 64 years.....	5,519	33	1,058	4,428	851	3	138	436	3
55 to 59 years.....	3,321	16	653	2,652	492	2	73	232	--
60 to 64 years.....	2,198	16	405	1,776	359	1	65	203	3
65 years and over.....	1,236	42	197	996	378	2	98	337	7
Female	28,043	1,476	5,959	20,608	1,372	466	208	97	343
16 to 19 years.....	2,559	320	264	1,975	25	6	26	1	28
16 and 17 years.....	1,009	251	76	683	19	5	4	--	13
18 and 19 years.....	1,550	69	189	1,292	6	1	21	--	14
20 to 24 years.....	4,608	63	937	3,607	76	8	25	2	10
25 to 34 years.....	5,379	137	1,233	4,009	239	78	40	9	43
35 to 44 years.....	5,184	169	1,254	3,761	234	121	45	15	91
45 to 54 years.....	5,775	289	1,313	4,174	378	158	39	26	89
55 to 64 years.....	3,722	312	838	2,572	277	76	24	25	63
55 to 59 years.....	2,269	163	503	1,603	161	53	15	11	44
60 to 64 years.....	1,453	149	335	969	115	23	9	15	19
65 years and over.....	816	187	119	510	144	19	9	19	18

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					
	Oct. 1971	Oct. 1970	Total		Wage and salary workers ¹			
			Oct. 1971	Oct. 1970	Paid absence ²		Unpaid absence ²	
					Oct. 1971	Oct. 1970	Oct. 1971	Oct. 1970
Total	3,530	3,674	3,430	3,551	1,550	1,512	1,508	1,678
Vacation	1,412	1,376	1,383	1,351	1,024	1,044	232	217
Illness	1,244	1,238	1,210	1,206	418	374	672	706
Bad weather	25	65	18	32	--	--	--	--
Industrial dispute	187	361	185	361	--	--	--	--
All other reasons	662	634	634	602	108	93	603	754
Male	2,145	2,249	2,054	2,133	1,026	993	801	925
Vacation	888	902	865	881	687	730	96	107
Illness	750	689	716	655	274	210	379	364
All other reasons	507	658	473	597	65	54	326	454
Female	1,385	1,425	1,376	1,418	523	520	708	754
Vacation	524	474	518	470	337	315	137	110
Illness	494	550	493	551	144	164	293	342
All other reasons	367	401	365	397	43	41	277	302

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

October 1971

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	76,535	73,165	3,371	100.0	100.0	100.0
1-34 hours	22,057	21,038	1,019	28.8	28.8	30.2
1-4 hours	737	709	28	1.0	1.0	.8
5-14 hours	3,726	3,501	225	4.9	4.8	6.7
15-29 hours	8,969	8,406	563	11.7	11.5	16.7
30-34 hours	8,625	8,422	203	11.3	11.5	6.0
35 hours and over	54,479	52,126	2,350	71.2	71.2	69.7
35-39 hours	4,702	4,533	168	6.1	6.2	5.0
40 hours	28,778	28,424	354	37.6	38.8	10.5
41 hours and over	20,999	19,169	1,828	27.4	26.2	54.2
41 to 48 hours	8,449	8,187	262	11.0	11.2	7.8
49 to 59 hours	6,538	6,136	401	8.5	8.4	11.9
60 hours and over	6,012	4,846	1,165	7.9	6.6	34.6
Average hours, total at work	38.8	38.3	47.4	--	--	--
Average hours, workers on full-time schedules	43.1	42.5	57.4	--	--	--

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

October 1971

(In thousands)

Reasons working part time	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total.....	22,058	9,748	12,310	21,039	9,484	11,555
Economic reasons.....	2,456	1,196	1,260	2,246	1,080	1,166
Slack work.....	1,317	888	429	1,170	782	388
Material shortages or repairs to plant and equipment.....	70	70	--	66	66	--
New job started during week.....	171	171	--	167	167	--
Job terminated during week.....	66	66	--	65	65	--
Could find only part-time work.....	831	--	831	778	--	778
Other reasons.....	19,602	8,552	11,050	18,793	8,404	10,389
Does not want, or unavailable for, full-time work.....	8,914	--	8,914	8,406	--	8,406
Vacation.....	483	483	--	477	477	--
Illness.....	1,588	1,304	284	1,501	1,273	228
Bad weather.....	210	210	--	167	167	--
Industrial dispute.....	36	36	--	36	36	--
Legal or religious holiday.....	5,543	5,543	--	5,514	5,514	--
Full time for this job.....	1,401	--	1,401	1,363	--	1,363
All other reasons.....	1,427	976	451	1,328	937	391
Average hours:						
Economic reasons.....	21.5	24.0	19.2	21.6	24.2	19.2
Other reasons.....	22.6	28.9	17.8	22.8	29.0	17.8
Worked 30 to 34 hours:						
Economic reasons.....	773	503	270	729	470	259
Other reasons.....	7,852	6,246	1,606	7,693	6,182	1,511

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

October 1971

Industry	Percent distribution							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total ^{1/}	100.0	3.1	14.2	82.7	56.5	11.2	15.0	38.3	42.5
Wage and salary workers.....	100.0	2.9	13.9	83.2	58.8	11.3	13.0	37.9	41.8
Construction.....	100.0	5.1	3.6	91.3	68.1	11.1	12.2	39.1	40.9
Manufacturing.....	100.0	2.8	3.1	94.0	67.5	14.4	12.2	40.6	41.8
Durable goods.....	100.0	2.0	2.0	96.0	69.7	13.6	12.7	41.1	41.9
Nondurable goods.....	100.0	4.0	4.7	91.3	64.5	15.4	11.5	39.9	41.6
Transportation and public utilities.....	100.0	2.0	6.5	91.4	64.6	11.3	15.5	40.8	42.7
Wholesale and retail trade.....	100.0	3.2	24.8	72.1	43.7	13.0	15.4	36.7	43.5
Finance, insurance, and real estate.....	100.0	1.0	10.7	88.3	69.0	8.0	11.3	37.5	39.8
Service industries.....	100.0	3.4	23.8	72.8	51.6	8.7	12.5	35.1	41.9
Private households.....	100.0	11.9	53.8	34.3	22.5	4.7	7.1	23.9	44.4
All other service.....	100.0	2.6	21.0	76.5	54.4	9.1	13.0	36.2	41.8
Public administration.....	100.0	.9	5.5	93.7	76.7	6.6	10.4	37.2	38.4
Self-employed workers.....	100.0	5.0	15.6	79.4	29.5	9.7	40.2	44.2	51.3
Unpaid family workers.....	100.0	2.3	37.9	59.8	24.8	9.9	25.1	39.2	50.9

^{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**

October 1971

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
(In thousands)								
TOTAL								
Total, 16 years and over.....	73,165	2,246	10,389	60,530	41,361	19,169	38.3	42.5
16 to 21 years	9,044	487	3,650	4,907	3,800	1,107	29.3	40.3
16 to 19 years	5,434	301	2,914	2,219	1,745	474	25.6	40.0
16 and 17 years	2,170	72	1,810	288	238	50	17.8	38.7
18 and 19 years	3,264	230	1,103	1,931	1,507	424	30.8	40.2
20 years and over	67,731	1,945	7,475	58,311	39,615	18,696	39.4	42.6
20 to 24 years	9,839	431	1,397	8,011	5,888	2,123	37.0	41.2
25 years and over	57,892	1,514	6,078	50,300	33,727	16,573	39.8	42.8
25 to 44 years	30,646	743	2,878	27,025	17,860	9,165	40.1	42.9
45 to 64 years	24,856	684	2,208	21,964	14,996	6,968	40.1	42.7
65 years and over	2,391	88	992	1,311	871	440	31.1	43.2
Males, 16 years and over	44,660	1,066	3,399	40,195	24,824	15,371	41.3	43.8
16 to 21 years	4,686	249	1,868	2,569	1,787	782	30.5	41.6
16 to 19 years	2,916	153	1,533	1,230	896	334	26.9	40.9
16 and 17 years	1,176	38	975	163	135	28	19.0	38.7
18 and 19 years	1,740	114	558	1,068	762	306	32.2	41.3
20 years and over	41,743	913	1,866	38,964	23,927	15,037	42.3	43.9
20 to 24 years	5,285	235	649	4,401	2,833	1,568	38.9	42.9
25 years and over	36,458	678	1,217	34,563	21,094	13,469	42.8	44.0
25 to 44 years	19,930	351	396	19,183	11,376	7,807	43.5	44.2
45 to 64 years	15,052	283	293	14,476	9,117	5,359	43.0	43.8
65 years and over	1,475	42	527	906	602	304	33.0	43.1
Females, 16 years and over	28,505	1,180	6,989	20,336	16,538	3,798	33.6	39.8
16 to 21 years	4,358	238	1,782	2,338	2,014	324	28.0	38.8
16 to 19 years	2,517	148	1,380	989	849	140	24.1	38.8
16 and 17 years	994	33	835	126	105	21	16.5	38.6
18 and 19 years	1,523	116	545	862	744	118	29.1	38.8
20 years and over	25,987	1,032	5,609	19,346	15,687	3,659	34.6	39.9
20 to 24 years	4,553	196	747	3,610	3,054	556	34.8	39.1
25 years and over	21,434	836	4,862	15,736	12,633	3,103	34.6	40.1
25 to 44 years	10,715	391	2,481	7,843	6,485	1,358	34.0	39.5
45 to 64 years	9,804	400	1,915	7,489	5,879	1,610	35.6	40.5
65 years and over	915	46	466	403	268	135	28.2	43.6
COLOR								
White	65,297	1,771	9,474	54,052	36,172	17,880	38.5	42.7
Male	40,297	881	3,117	36,299	21,845	14,454	41.6	44.1
Female	25,000	891	6,357	17,752	14,325	3,427	33.6	39.9
Negro and other races	7,868	475	914	6,479	5,191	1,288	36.6	40.4
Male	4,363	185	282	3,896	2,979	917	38.9	41.2
Female	3,504	291	632	2,581	2,210	371	33.8	39.2
MARITAL STATUS								
Male:								
Married, wife present	34,672	599	1,092	32,981	19,796	13,185	43.1	44.2
Widowed, divorced, or separated	2,453	98	177	2,178	1,394	784	40.9	43.7
Single (never married)	7,535	369	2,131	5,035	3,633	1,402	33.6	41.6
Female:								
Married, husband present	16,835	640	4,220	11,975	9,768	2,207	33.9	39.8
Widowed, divorced, or separated	5,415	270	902	4,243	3,323	920	35.8	40.5
Single (never married)	6,255	271	1,867	4,117	3,446	671	31.1	39.1

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

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules		
				Total	40 hours or less	41 hours or more
(Percent distribution)						
TOTAL						
Total, 16 years and over.....	100.0	3.1	14.2	82.7	56.5	26.2
16 to 21 years.....	100.0	5.4	40.4	54.3	42.0	12.2
16 to 19 years.....	100.0	5.5	53.6	40.8	32.1	8.7
16 and 17 years.....	100.0	3.3	83.4	13.3	11.0	2.3
18 and 19 years.....	100.0	7.0	33.8	59.2	46.2	13.0
20 years and over.....	100.0	2.9	11.0	86.1	58.5	27.6
20 to 24 years.....	100.0	4.4	14.2	81.4	59.8	21.6
25 years and over.....	100.0	2.6	10.5	86.9	58.3	28.6
25 to 44 years.....	100.0	2.4	9.4	88.2	58.3	29.9
45 to 64 years.....	100.0	2.8	8.9	88.4	60.3	28.0
65 years and over.....	100.0	3.7	41.5	54.8	36.4	18.4
Males, 16 years and over.....						
16 to 21 years.....	100.0	2.4	7.6	90.0	55.6	34.4
16 to 19 years.....	100.0	5.3	39.9	54.8	38.1	16.7
16 and 17 years.....	100.0	5.2	52.6	42.2	30.7	11.5
18 and 17 years.....	100.0	3.2	82.9	13.9	11.5	2.4
18 and 19 years.....	100.0	6.6	32.1	61.4	43.8	17.6
20 years and over.....	100.0	2.2	4.5	93.3	57.3	36.0
20 to 24 years.....	100.0	4.4	12.3	83.3	53.6	29.7
25 years and over.....	100.0	1.9	3.3	94.8	57.9	36.9
25 to 44 years.....	100.0	1.8	2.0	96.3	57.1	39.2
45 to 64 years.....	100.0	1.9	1.9	96.2	60.6	35.6
65 years and over.....	100.0	2.8	35.7	61.4	40.8	20.6
Females, 16 years and over.....						
16 to 21 years.....	100.0	4.1	24.5	71.3	58.0	13.3
16 to 19 years.....	100.0	5.5	40.9	53.6	46.2	7.4
16 and 17 years.....	100.0	5.9	54.8	39.3	33.7	5.6
18 and 17 years.....	100.0	3.3	84.0	12.7	10.6	2.1
18 and 19 years.....	100.0	7.6	35.8	56.6	48.9	7.7
20 years and over.....	100.0	4.0	21.6	74.4	60.4	14.1
20 to 24 years.....	100.0	4.3	16.4	79.3	67.1	12.2
25 years and over.....	100.0	3.9	22.7	73.4	58.9	14.5
25 to 44 years.....	100.0	3.6	23.2	73.2	60.5	12.7
45 to 64 years.....	100.0	4.1	19.5	76.4	60.0	16.4
65 years and over.....	100.0	5.0	50.9	44.0	29.3	14.8
COLOR						
White.....	100.0	2.7	14.5	82.8	55.4	27.4
Male.....	100.0	2.2	7.7	90.1	54.2	35.9
Female.....	100.0	3.6	25.4	71.0	57.3	13.7
Negro and other races.....	100.0	6.0	11.6	82.3	66.0	16.4
Male.....	100.0	4.2	6.5	89.3	68.3	21.0
Female.....	100.0	8.3	18.0	73.7	63.1	10.6
MARITAL STATUS						
Male:						
Married, wife present.....	100.0	1.7	3.1	95.1	57.1	38.0
Widowed, divorced, or separated.....	100.0	4.0	7.2	88.8	56.8	32.0
Single (never married).....	100.0	4.9	28.3	66.8	48.2	18.6
Female:						
Married, husband present.....	100.0	3.8	25.1	71.1	58.0	13.1
Widowed, divorced, or separated.....	100.0	5.0	16.7	78.4	61.4	17.0
Single (never married).....	100.0	4.3	29.8	65.8	55.1	10.7

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

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
				(Thousands of persons)					
TOTAL									
White-collar workers.....	37,232	555	5,324	31,353	20,854	3,713	6,786	39.0	42.9
Professional and technical.....	10,958	137	1,344	9,477	6,182	1,204	2,091	39.3	42.8
Managers, officials, and proprietors.....	8,567	68	391	8,108	3,590	1,177	3,341	46.5	48.0
Clerical workers.....	12,880	242	2,266	10,372	9,024	820	528	34.8	38.6
Sales workers.....	4,826	109	1,322	3,395	2,060	510	826	36.3	43.9
Blue-collar workers.....	26,092	1,173	1,851	23,068	16,037	3,616	3,416	39.5	42.1
Craftsmen and foremen.....	9,688	298	301	9,089	6,290	1,408	1,391	40.8	42.1
Operatives.....	12,551	619	844	11,088	7,575	1,804	1,708	39.9	42.4
Nonfarm laborers.....	3,852	255	706	2,891	2,172	404	315	34.9	40.7
Service workers.....	10,228	544	3,292	6,392	4,600	894	898	33.0	42.4
Private household.....	1,378	170	745	463	292	71	100	24.2	44.9
Other service workers.....	8,850	374	2,547	5,929	4,307	823	799	34.4	42.2
MALE									
White-collar workers.....	19,567	185	1,310	18,072	9,926	2,569	5,577	43.3	45.3
Professional and technical.....	6,647	65	424	6,158	3,825	767	1,566	41.9	43.9
Managers, officials, and proprietors.....	7,024	43	195	6,786	2,787	1,021	2,978	47.6	48.6
Clerical workers.....	3,123	43	316	2,764	2,083	357	324	38.2	40.6
Sales workers.....	2,773	34	375	2,364	1,232	424	708	41.3	45.2
Blue-collar workers.....	21,548	793	1,364	19,391	13,003	3,128	3,259	40.2	42.6
Craftsmen and foremen.....	9,330	284	247	8,799	6,041	1,376	1,383	41.0	42.2
Operatives.....	8,604	272	475	7,857	4,919	1,369	1,570	41.6	43.6
Nonfarm laborers.....	3,615	238	642	2,735	2,044	383	307	35.1	40.8
Service workers.....	3,853	108	775	2,970	1,993	408	569	37.6	43.6
Private household.....	29	--	12	17	8	--	9	35.7	50.5
Other service workers.....	3,823	109	763	2,951	1,982	409	560	37.6	43.5
FEMALE									
White-collar workers.....	17,665	370	4,014	13,281	10,928	1,144	1,209	34.3	39.5
Professional and technical.....	4,311	72	920	3,319	2,357	438	525	35.1	40.7
Managers, officials, and proprietors.....	1,543	24	196	1,323	804	157	362	41.4	44.9
Clerical workers.....	9,758	199	1,951	7,608	6,941	463	204	33.7	37.9
Sales workers.....	2,053	75	948	1,030	826	87	118	29.7	40.9
Blue-collar workers.....	4,544	379	486	3,679	3,034	488	156	36.0	39.4
Craftsmen and foremen.....	358	14	53	291	249	33	9	35.7	38.9
Operatives.....	3,948	348	369	3,231	2,660	434	138	36.4	39.4
Nonfarm laborers.....	238	17	64	157	127	21	9	31.2	39.5
Service workers.....	6,376	436	2,517	3,423	2,607	487	329	30.2	41.3
Private household.....	1,349	171	733	445	282	72	91	24.0	44.7
Other service workers.....	5,027	265	1,784	2,978	2,326	414	238	31.9	40.8

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

October 1971

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			
				Total	40 hours or less	41 to 48 hours	49 hours or more
(Percent distribution)							
TOTAL							
White-collar workers	100.0	1.5	14.3	84.2	56.0	10.0	18.2
Professional and technical	100.0	1.3	12.3	86.5	56.4	11.0	19.1
Managers, officials, and proprietors	100.0	.8	4.6	94.6	41.9	13.7	39.0
Clerical workers	100.0	1.9	17.6	80.5	70.1	6.4	4.1
Sales workers	100.0	2.3	27.4	70.3	42.7	10.6	17.1
Blue-collar workers	100.0	4.5	7.1	88.4	61.5	13.9	13.1
Craftsmen and foremen	100.0	3.1	3.1	93.8	64.9	14.5	14.4
Operatives	100.0	4.9	6.7	88.3	60.4	14.4	13.6
Nonfarm laborers	100.0	6.6	18.3	75.1	56.4	10.5	8.2
Service workers	100.0	5.3	32.2	62.5	45.0	8.7	8.8
Private household	100.0	12.3	54.1	33.6	21.2	5.2	7.3
Other service workers	100.0	4.2	28.8	67.0	48.7	9.3	9.0
MALE							
White-collar workers	100.0	.9	6.7	92.4	50.7	13.1	28.5
Professional and technical	100.0	1.0	6.4	92.6	57.5	11.5	23.6
Managers, officials, and proprietors	100.0	.6	2.8	96.6	39.7	14.5	42.4
Clerical workers	100.0	1.4	10.1	88.5	66.7	11.4	10.4
Sales workers	100.0	1.2	13.5	85.3	44.4	15.3	25.5
Blue-collar workers	100.0	3.7	6.3	90.0	60.3	14.5	15.1
Craftsmen and foremen	100.0	3.0	2.6	94.3	64.7	14.7	14.8
Operatives	100.0	3.2	5.5	91.3	57.2	15.9	18.2
Nonfarm laborers	100.0	6.6	17.8	75.7	56.5	10.6	8.5
Service workers	100.0	2.8	20.1	77.1	51.7	10.6	14.8
Private household	100.0	.0	41.4	58.6	27.6	--	31.0
Other service workers	100.0	2.9	20.0	77.2	51.8	10.7	14.6
FEMALE							
White-collar workers	100.0	2.1	22.7	75.2	61.9	6.5	6.8
Professional and technical	100.0	1.7	21.3	77.0	54.7	10.2	12.2
Managers, officials, and proprietors	100.0	1.6	12.7	85.7	52.1	10.2	23.5
Clerical workers	100.0	2.0	20.0	78.0	71.1	4.7	2.1
Sales workers	100.0	3.7	46.2	50.2	40.2	4.2	5.7
Blue-collar workers	100.0	8.3	10.7	81.0	66.8	10.7	3.4
Craftsmen and foremen	100.0	3.9	14.8	81.3	69.6	9.2	2.5
Operatives	100.0	8.8	9.3	81.8	67.4	11.0	3.5
Nonfarm laborers	100.0	7.1	26.9	66.0	53.4	8.8	3.8
Service workers	100.0	6.8	39.5	53.7	40.9	7.6	5.2
Private household	100.0	12.7	54.3	33.0	20.9	5.3	6.7
Other service workers	100.0	5.3	35.5	59.2	46.3	8.2	4.7

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

October 1971

(In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Civilian noninstitutional population.....	8,158	4,133	4,025	6,997	3,557	3,440	1,161	576	584
Civilian labor force.....	1,449	862	587	1,348	801	546	101	61	41
Employed.....	1,300	771	529	1,233	731	502	66	40	27
Agriculture.....	197	163	34	182	156	27	15	8	7
Nonagricultural industries.....	1,102	607	495	1,051	575	475	52	32	20
Unemployed.....	149	91	58	115	70	44	35	21	14
Not in labor force.....	6,709	3,271	3,438	5,649	2,755	2,894	1,059	516	544
Keeping house.....	36	6	31	28	6	22	8	--	9
Going to school.....	6,592	3,229	3,362	5,555	2,726	2,829	1,037	503	534
Unable to work.....	2	1	1	2	1	1	--	--	--
All other reasons.....	79	35	44	64	21	42	15	13	2

A-28: Employed 14- 15 year-olds by sex, class of worker, and major occupation group
October 1971

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,300	771	529	100.0	100.0	100.0
Nonagricultural industries.....	1,103	607	496	84.8	78.8	93.8
Wage and salary workers.....	996	522	474	76.6	67.8	89.6
Private household workers.....	482	143	338	37.1	18.6	64.0
Government workers.....	29	14	15	2.2	1.8	2.8
Other wage and salary workers.....	485	365	120	37.3	47.4	22.7
Self-employed workers.....	97	76	21	7.5	9.9	4.0
Unpaid family workers.....	10	9	1	.8	1.2	.2
Agriculture.....	197	163	34	15.2	21.2	6.3
Wage and salary workers.....	79	66	13	6.1	8.6	2.5
Self-employed workers.....	16	15	1	1.2	1.9	.2
Unpaid family workers.....	102	82	19	7.8	10.6	3.6
OCCUPATION						
Total.....	1,300	771	529	100.0	100.0	100.0
White-collar workers.....	295	236	58	22.7	30.6	11.2
Professional and technical.....	13	5	7	1.0	.6	1.3
Managers, officials, and proprietors.....	--	--	--	--	--	--
Clerical workers.....	54	22	32	4.2	2.9	6.0
Sales workers.....	229	209	20	17.6	27.1	3.8
Blue-collar workers.....	264	244	20	20.3	31.8	3.8
Craftsmen and foremen.....	11	6	5	.8	.8	.9
Operatives.....	51	45	6	3.9	5.8	1.1
Nonfarm laborers.....	202	194	9	15.5	25.2	1.7
Service workers.....	562	144	418	43.2	18.7	79.0
Private household workers.....	381	35	346	29.3	4.5	65.4
Other service workers.....	181	109	72	13.9	14.1	13.6
Farm workers.....	179	146	32	13.8	18.9	6.0
Farmers and farm managers.....	1	--	1	.1	--	.2
Farm laborers and foremen.....	178	146	31	13.7	18.9	5.9

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

Employment status, sex, and age	1971										1970		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Total													
Total labor force	87,500	87,347	87,087	86,626	85,948	87,028	86,665	86,405	86,334	86,873	86,622	86,512	86,379
Civilian labor force	84,783	84,598	84,312	83,829	83,132	84,178	83,783	83,475	83,384	83,897	83,609	83,473	83,300
Employed	79,845	79,525	79,197	78,941	78,443	78,961	78,698	78,475	78,537	78,864	78,463	78,550	78,691
Agriculture	3,369	3,356	3,415	3,367	3,294	3,458	3,558	3,396	3,329	3,413	3,408	3,353	3,293
Nonagricultural industries	76,476	76,169	75,782	75,575	75,149	75,503	75,140	75,079	75,208	75,451	75,055	75,197	75,398
On part time for economic reasons	2,507	2,260	2,469	2,450	2,176	2,504	2,494	2,455	2,458	2,484	2,533	2,413	2,409
Usually work full time	1,161	1,056	1,173	1,134	990	1,219	1,309	1,242	1,227	1,377	1,382	1,249	1,347
Usually work part time	1,346	1,204	1,296	1,316	1,186	1,285	1,185	1,213	1,231	1,107	1,151	1,164	1,062
Unemployed	4,938	5,073	5,115	4,888	4,689	5,217	5,085	5,000	4,847	5,033	5,146	4,923	4,609
Men, 20 years and over													
Total labor force	50,527	50,573	50,475	50,376	50,225	50,392	50,230	49,994	49,811	50,074	50,158	50,184	50,134
Civilian labor force	48,176	48,194	48,074	47,956	47,789	47,893	47,703	47,425	47,239	47,480	47,531	47,548	47,463
Employed	46,104	46,004	45,903	45,888	45,765	45,737	45,625	45,411	45,237	45,425	45,365	45,531	45,531
Agriculture	2,474	2,426	2,472	2,458	2,426	2,460	2,476	2,439	2,347	2,435	2,458	2,472	2,444
Nonagricultural industries	43,630	43,578	43,431	43,430	43,339	43,277	43,149	42,972	42,890	42,990	42,907	43,059	43,087
Unemployed	2,072	2,190	2,171	2,068	2,024	2,156	2,078	2,014	2,002	2,055	2,166	2,017	1,932
Women, 20 years and over													
Civilian labor force	29,108	28,995	28,859	28,525	28,386	28,586	28,489	28,594	28,645	28,855	28,644	28,580	28,520
Employed	27,515	27,376	27,172	26,897	26,818	26,857	26,791	26,938	27,051	27,211	26,988	26,967	27,084
Agriculture	521	551	543	516	510	539	583	539	551	544	538	519	507
Nonagricultural industries	26,994	26,825	26,629	26,381	26,308	26,318	26,208	26,399	26,500	26,667	26,450	26,448	26,577
Unemployed	1,593	1,619	1,687	1,628	1,568	1,729	1,698	1,656	1,594	1,644	1,656	1,613	1,436
Both sexes, 16-19 years													
Civilian labor force	7,499	7,409	7,379	7,348	6,957	7,699	7,591	7,456	7,500	7,562	7,434	7,345	7,317
Employed	6,226	6,145	6,122	6,156	5,860	6,367	6,282	6,126	6,249	6,228	6,110	6,052	6,076
Agriculture	374	379	400	393	358	459	499	418	431	434	412	362	342
Nonagricultural industries	5,852	5,766	5,722	5,763	5,502	5,908	5,783	5,708	5,818	5,794	5,698	5,690	5,734
Unemployed	1,273	1,264	1,257	1,192	1,097	1,332	1,309	1,330	1,251	1,334	1,324	1,293	1,241

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

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

Full- and part-time employment status, sex, and age	1971										1970		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Full time													
Total, 16 years and over:													
Civilian labor force	72,534	72,419	72,232	72,006	71,308	72,338	71,810	71,351	71,627	71,710	71,937	71,815	71,560
Employed	68,614	68,320	68,242	68,161	67,563	68,156	67,896	67,410	67,765	67,766	67,805	67,789	67,914
Unemployed	3,920	4,099	3,990	3,845	3,745	4,182	3,914	3,941	3,862	3,944	4,132	4,026	3,646
Unemployment rate	5.4	5.7	5.5	5.3	5.3	5.8	5.5	5.5	5.4	5.5	5.7	5.6	5.1
Men, 20 years and over:													
Civilian labor force	45,750	45,790	45,697	45,738	45,479	45,619	45,326	45,055	45,048	45,138	45,300	45,268	45,172
Employed	43,804	43,773	43,669	43,819	43,598	43,652	43,434	43,217	43,202	43,272	43,318	43,402	43,361
Unemployed	1,946	2,017	2,028	1,919	1,881	1,967	1,892	1,838	1,846	1,866	1,982	1,866	1,811
Unemployment rate	4.3	4.4	4.4	4.2	4.1	4.3	4.2	4.1	4.1	4.1	4.4	4.1	4.0
Women, 20 years and over:													
Civilian labor force	22,759	22,810	22,620	22,315	22,278	22,493	22,448	22,349	22,599	22,575	22,512	22,514	22,481
Employed	21,507	21,454	21,339	21,049	21,023	21,039	21,130	21,013	21,331	21,269	21,191	21,178	21,324
Unemployed	1,252	1,356	1,281	1,266	1,255	1,454	1,318	1,336	1,268	1,306	1,321	1,336	1,157
Unemployment rate	5.5	5.9	5.7	5.7	5.6	6.5	5.9	6.0	5.6	5.8	5.9	5.9	5.1
Part time													
Total, 16 years and over:													
Civilian labor force	12,166	12,346	12,222	11,960	12,012	11,731	11,853	12,092	11,747	12,291	11,640	11,736	11,665
Employed	11,140	11,326	11,089	10,924	11,095	10,650	10,739	11,038	10,727	11,156	10,637	10,746	10,701
Unemployed	1,026	1,020	1,133	1,036	917	1,081	1,114	1,054	1,020	1,135	1,003	990	964
Unemployment rate	8.4	8.3	9.3	8.7	7.6	9.2	9.4	8.7	8.7	9.2	8.6	8.4	8.3

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

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Characteristics	1971										1970		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
White													
Total:													
Civilian labor force	75,419	75,154	74,794	74,403	73,882	74,761	74,498	74,217	74,169	74,803	74,340	74,333	74,211
Employed	71,415	71,064	70,578	70,439	70,035	70,511	70,349	70,083	70,204	70,626	70,186	70,215	70,386
Unemployed	4,004	4,090	4,216	3,964	3,847	4,250	4,149	4,134	3,965	4,177	4,154	4,118	3,825
Unemployment rate	5.3	5.4	5.6	5.3	5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5	5.2
Males, 20 years and over:													
Civilian labor force	43,401	43,334	43,274	43,174	43,042	43,154	42,942	42,705	42,576	42,732	42,666	42,807	42,782
Employed	41,675	41,551	41,450	41,450	41,306	41,312	41,185	40,973	40,881	41,011	40,983	41,086	41,117
Unemployed	1,726	1,783	1,824	1,724	1,736	1,842	1,757	1,732	1,695	1,721	1,683	1,721	1,665
Unemployment rate	4.0	4.1	4.2	4.0	4.0	4.3	4.1	4.1	4.0	4.0	3.9	4.0	3.9
Females, 20 years and over:													
Civilian labor force	25,271	25,154	24,952	24,732	24,620	24,733	24,800	24,873	24,869	25,246	25,020	24,922	24,871
Employed	24,023	23,899	23,570	23,420	23,346	23,425	23,437	23,535	23,605	23,899	23,618	23,589	23,705
Unemployed	1,248	1,255	1,382	1,312	1,274	1,308	1,363	1,338	1,264	1,347	1,402	1,333	1,166
Unemployment rate	4.9	5.0	5.5	5.3	5.2	5.3	5.5	5.4	5.1	5.3	5.6	5.3	4.7
Both sexes, 16 to 19 years:													
Civilian labor force	6,747	6,666	6,568	6,497	6,220	6,874	6,756	6,639	6,724	6,825	6,654	6,604	6,558
Employed	5,717	5,614	5,558	5,569	5,383	5,774	5,727	5,575	5,718	5,716	5,585	5,540	5,564
Unemployed	1,030	1,052	1,010	928	837	1,100	1,029	1,064	1,006	1,109	1,069	1,064	994
Unemployment rate	15.3	15.8	15.4	14.3	13.5	16.0	15.2	16.0	15.0	16.2	16.1	16.1	15.2
Negro and other races													
Total:													
Civilian labor force	9,422	9,405	9,402	9,394	9,150	9,381	9,257	9,335	9,268	9,243	9,223	9,181	9,132
Employed	8,410	8,422	8,485	8,448	8,294	8,400	8,332	8,456	8,382	8,367	8,347	8,358	8,283
Unemployed	1,012	983	917	946	856	981	925	879	886	876	876	823	849
Unemployment rate	10.7	10.5	9.8	10.1	9.4	10.5	10.0	9.4	9.6	9.5	9.5	9.0	9.3
Males, 20 years and over:													
Civilian labor force	4,832	4,836	4,789	4,780	4,749	4,741	4,751	4,746	4,705	4,786	4,784	4,742	4,732
Employed	4,427	4,442	4,436	4,428	4,422	4,418	4,429	4,454	4,388	4,436	4,425	4,458	4,412
Unemployed	405	394	353	352	327	323	322	292	317	350	359	284	320
Unemployment rate	8.4	8.1	7.4	7.4	6.9	6.8	6.8	6.2	6.7	7.3	7.5	6.0	6.8
Females, 20 years and over:													
Civilian labor force	3,797	3,812	3,825	3,773	3,703	3,819	3,706	3,754	3,800	3,708	3,654	3,655	3,606
Employed	3,458	3,445	3,508	3,445	3,410	3,415	3,360	3,437	3,470	3,419	3,388	3,372	3,346
Unemployed	339	367	317	328	293	404	346	317	330	289	266	283	260
Unemployment rate	8.9	9.6	8.3	8.7	7.9	10.6	9.3	8.4	8.7	7.8	7.3	7.7	7.2
Both sexes, 16 to 19 years:													
Civilian labor force	793	757	788	841	698	821	800	835	763	749	785	784	794
Employed	525	535	541	575	462	567	543	565	524	512	534	528	525
Unemployed	268	222	247	266	236	254	257	270	239	237	251	256	269
Unemployment rate	33.8	29.3	31.3	31.6	33.8	30.9	32.1	32.3	31.3	31.6	32.0	32.7	33.9

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

(In thousands)

Duration of unemployment	1971										1970		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Less than 5 weeks	2,194	2,344	2,372	2,112	2,040	2,267	2,276	2,116	2,154	2,322	2,456	2,333	2,373
5 to 14 weeks	1,549	1,589	1,535	1,532	1,574	1,519	1,560	1,649	1,595	1,624	1,612	1,758	1,490
15 weeks and over	1,231	1,239	1,305	1,311	1,173	1,202	1,071	1,107	1,069	1,079	1,084	880	754
15 to 26 weeks	641	672	752	747	609	622	641	651	614	666	750	555	496
27 weeks and over	590	567	553	564	564	580	430	456	455	413	334	325	258
Average (mean) duration	12.2	12.0	11.5	11.6	12.7	11.5	10.9	10.8	10.4	10.4	9.7	9.3	8.5

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-33: Major unemployment indicators, seasonally adjusted

Selected categories	(Unemployment rates)												
	1971											1970	
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Total (all civilian workers)	5.8	6.0	6.1	5.8	5.6	6.2	6.1	6.0	5.8	6.0	6.2	5.9	5.5
Men, 20 years and over.....	4.3	4.5	4.5	4.3	4.2	4.5	4.4	4.2	4.2	4.3	4.6	4.2	4.1
Women, 20 years and over.....	5.5	5.6	5.8	5.7	5.5	6.0	6.0	5.8	5.6	5.7	5.8	5.6	5.0
Both sexes, 16-19 years.....	17.0	17.1	17.0	16.2	15.8	17.3	17.2	17.8	16.7	17.6	17.8	17.6	17.0
White.....	5.3	5.4	5.6	5.3	5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5	5.2
Negro and other races.....	10.7	10.5	9.8	10.1	9.4	10.5	10.0	9.4	9.6	9.5	9.5	9.0	9.3
Married men.....	3.0	3.3	3.2	3.1	3.1	3.3	3.1	3.2	3.2	3.3	3.4	3.2	3.0
Full-time workers.....	5.4	5.7	5.5	5.3	5.3	5.8	5.5	5.5	5.4	5.5	5.7	5.6	5.1
Part-time workers.....	8.4	8.3	9.3	8.7	7.6	9.2	9.4	8.7	8.7	9.2	8.6	8.4	8.3
Unemployed 15 weeks and over ¹	1.5	1.5	1.5	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.1	.9
State insured ²	4.5	4.4	4.2	3.9	4.4	4.2	3.9	3.9	3.7	3.7	4.2	4.6	4.5
Labor force time lost ³	6.5	6.3	6.5	6.3	5.6	6.8	6.4	6.5	6.3	6.4	6.4	6.4	6.1
Occupation													
White-collar workers.....	3.4	3.3	3.5	3.6	3.1	3.7	3.8	3.7	3.5	3.5	3.8	3.6	3.0
Professional and technical.....	2.9	2.6	3.1	2.8	2.1	3.2	3.3	3.4	3.3	3.0	2.9	2.6	1.9
Managers, officials, and proprietors.....	1.6	1.6	1.4	1.8	1.7	1.5	1.6	1.7	1.5	1.5	1.7	1.7	1.4
Clerical workers.....	4.6	4.7	4.8	5.0	4.6	4.8	5.2	4.9	4.7	4.9	5.3	5.0	4.3
Sales workers.....	3.9	3.9	4.5	4.7	3.9	5.5	4.5	4.4	3.9	4.1	5.1	4.9	4.0
Blue-collar workers.....	7.2	8.0	7.6	7.1	7.0	7.5	7.4	7.4	7.4	7.8	7.8	7.4	7.3
Craftsmen and foremen.....	4.7	5.8	5.5	5.3	3.9	4.1	4.5	4.9	4.3	5.1	5.0	4.5	4.0
Operatives.....	8.0	8.4	8.3	8.0	8.1	8.8	8.6	8.4	8.4	8.6	9.0	8.8	8.5
Nonfarm laborers.....	10.9	11.6	10.5	9.1	11.2	11.5	10.2	10.0	11.3	10.6	11.0	10.1	11.2
Service workers.....	6.1	6.5	6.6	6.6	6.2	6.4	6.3	6.0	5.9	6.4	6.2	6.0	5.7
Farm workers.....	2.0	2.9	2.8	2.8	2.2	1.9	1.8	2.2	3.2	3.2	3.3	2.7	2.9
Industry													
Private wage and salary workers ⁴	6.0	6.2	6.2	6.1	6.0	6.5	6.3	6.4	6.1	6.4	6.6	6.2	6.0
Construction.....	10.3	10.0	10.2	9.6	10.4	11.2	9.6	10.9	11.0	11.2	11.8	9.1	11.7
Manufacturing.....	6.3	7.0	6.9	6.6	6.5	6.9	7.0	6.9	6.8	7.2	7.6	7.3	6.7
Durable goods.....	6.7	7.1	6.8	6.5	6.9	7.2	7.5	7.3	7.1	7.2	8.0	8.2	7.3
Nondurable goods.....	5.8	6.8	7.0	6.7	6.0	6.4	6.3	6.4	6.4	7.1	7.2	6.1	5.8
Transportation and public utilities.....	4.4	3.6	3.1	3.0	3.3	4.4	4.0	3.3	4.0	4.6	4.1	3.6	3.5
Wholesale and retail trade.....	6.1	6.2	6.2	6.4	6.5	6.9	6.5	6.7	6.2	6.1	6.7	6.1	5.8
Finance and service industries.....	4.8	5.1	5.4	5.4	4.7	5.1	5.3	5.3	4.8	5.0	4.9	5.1	4.5
Government wage and salary workers.....	3.3	2.9	3.1	2.9	2.5	3.0	2.8	2.8	2.6	2.9	3.0	2.8	2.5
Agricultural wage and salary workers.....	7.1	8.8	9.4	8.3	5.7	7.5	6.1	6.5	9.4	9.0	9.6	8.8	8.4

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

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

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

⁴Includes mining, not shown separately.

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

Sex and age	1971										1970		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Total, 16 years and over	5.8	6.0	6.1	5.8	5.6	6.2	6.1	6.0	5.8	6.0	6.2	5.9	5.5
16 to 19 years	17.0	17.1	17.0	16.2	15.8	17.3	17.2	17.8	16.7	17.6	17.8q	17.6	17.0
16 and 17 years	20.5	18.6	19.7	18.3	18.1	19.0	18.3	18.8	17.4	20.3	19.8	18.6	19.7
18 and 19 years	14.6	16.0	15.0	14.9	13.9	16.7	15.8	17.2	16.1	16.0	16.5	16.6	15.1
20 to 24 years	9.3	9.6	10.1	9.7	9.9	11.1	10.4	10.0	9.4	9.7	10.2	10.0	9.1
25 years and over	4.0	4.1	4.1	4.0	3.8	4.0	4.0	4.0	3.9	4.0	4.2	3.9	3.7
25 to 34 years	4.3	4.4	4.3	4.2	3.9	4.1	4.2	4.2	4.0	4.1	4.4	4.2	3.9
35 years and over	2.9	3.1	3.5	3.1	3.4	3.6	3.6	3.3	3.6	3.6	3.5	3.3	3.0
Males, 16 years and over	5.3	5.5	5.5	5.2	5.1	5.6	5.3	5.3	5.2	5.4	5.6	5.2	5.1
16 to 19 years	17.0	16.4	17.3	15.5	15.7	17.6	16.5	17.0	16.2	17.6	17.2	16.5	17.0
16 and 17 years	21.1	19.1	19.5	18.5	17.7	17.5	18.5	18.4	17.3	19.8	20.0	17.7	19.8
18 and 19 years	14.0	14.5	15.4	13.5	13.7	18.0	14.9	16.0	15.3	15.7	15.0	15.1	14.9
20 to 24 years	10.1	10.5	10.5	10.1	9.7	10.8	10.5	10.0	9.7	10.4	10.9	10.4	10.6
25 years and over	3.5	3.6	3.6	3.4	3.3	3.6	3.5	3.4	3.4	3.5	3.7	3.4	3.2
25 to 34 years	3.7	3.8	3.6	3.5	3.4	3.6	3.4	3.4	3.2	3.4	3.6	3.5	3.3
35 years and over	2.9	3.0	3.3	3.1	3.3	3.5	3.7	3.5	3.9	3.8	3.7	3.5	3.0
Females, 16 years and over	6.6	6.8	7.0	6.9	6.5	7.2	7.3	7.2	6.8	6.9	7.1	7.0	6.3
16 to 19 years	17.0	17.8	16.7	17.1	15.9	16.9	18.2	18.8	17.2	17.7	18.6	19.0	16.9
16 and 17 years	19.8	17.9	19.9	18.1	18.7	20.8	17.9	19.4	17.5	21.0	19.4	19.8	19.5
18 and 19 years	15.4	17.7	14.6	16.5	14.1	15.2	16.9	18.5	17.0	16.4	18.2	18.4	15.3
20 to 24 years	8.4	8.6	9.5	9.1	10.1	11.5	10.3	10.1	9.1	9.0	9.3	9.6	7.4
25 years and over	4.9	4.9	5.1	5.0	4.5	4.8	5.0	5.0	4.8	4.9	5.1	4.8	4.6
25 to 34 years	5.4	5.3	5.5	5.5	5.0	5.1	5.5	5.6	5.3	5.2	5.7	5.4	5.0
35 years and over	2.9	3.4	3.8	3.3	3.6	3.7	3.4	3.1	3.1	3.3	3.1	2.9	3.0

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

(Numbers in thousands)

Reason for unemployment	1971										1970		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Number of unemployed													
Lost last job	2,219	2,372	2,449	2,258	2,339	2,311	2,281	2,185	2,288	2,281	2,536	2,385	2,208
Left last job	539	571	568	518	476	618	606	594	652	643	614	607	590
Reentered labor force	1,456	1,547	1,507	1,544	1,338	1,527	1,460	1,537	1,296	1,497	1,472	1,397	1,214
Never worked before	668	607	644	548	540	740	688	678	589	644	594	607	553
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	45.5	46.5	47.4	46.4	49.8	44.5	45.3	43.8	47.4	45.0	48.6	47.7	48.4
Left last job	11.0	11.2	11.0	10.6	10.1	11.9	12.0	11.9	13.5	12.7	11.8	12.1	12.9
Reentered labor force	29.8	30.4	29.2	31.7	28.5	29.4	29.0	30.8	26.9	29.6	28.2	28.0	26.6
Never worked before	13.7	11.9	12.5	11.3	11.5	14.2	13.7	13.6	12.2	12.7	11.4	12.1	12.1
Unemployed as a percent of the civilian labor force													
Lost last job	2.6	2.8	2.9	2.7	2.8	2.7	2.7	2.6	2.7	2.7	3.0	2.9	2.7
Left last job . . . . .	.6	.7	.7	.6	.6	.7	.7	.7	.8	.8	.7	.7	.7
Reentered labor force	1.7	1.8	1.8	1.8	1.6	1.8	1.7	1.8	1.6	1.8	1.8	1.7	1.5
Never worked before . . . . .	.8	.7	.8	.7	.6	.9	.8	.8	.7	.8	.7	.7	.7

HOUSEHOLD DATA
SEASONALLY ADJUSTED

48

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

(In thousands)

Sex and age	1971										1970		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Total													
16 years and over	79,845	79,525	79,197	78,941	78,443	78,961	78,698	78,475	78,537	78,864	78,550	78,463	78,691
16 to 19 years	6,226	6,145	6,122	6,156	5,860	6,367	6,282	6,126	6,249	6,228	6,110	6,052	6,076
16 and 17 years	2,543	2,600	2,515	2,522	2,324	2,688	2,660	2,627	2,709	2,684	2,544	2,541	2,531
18 and 19 years	3,698	3,552	3,573	3,617	3,546	3,658	3,619	3,517	3,555	3,555	3,559	3,528	3,559
20 to 24 years	10,490	10,410	10,285	10,209	9,954	10,014	9,980	9,839	9,795	9,926	9,879	9,859	9,940
25 years and over	63,141	62,975	62,750	62,539	62,635	62,589	62,431	62,533	62,489	62,722	62,461	62,646	62,679
25 to 54 years	49,009	48,917	48,742	48,570	48,646	48,687	48,446	48,495	48,619	48,667	48,436	48,577	48,592
55 years and over	14,101	14,022	13,972	13,907	13,867	13,948	13,956	14,072	13,928	14,237	14,064	14,015	14,054
Male													
16 years and over	49,641	49,458	49,289	49,340	49,035	49,243	49,144	48,793	48,725	48,908	48,870	48,964	48,870
16 to 19 years	3,537	3,454	3,386	3,452	3,270	3,506	3,519	3,382	3,488	3,483	3,505	3,433	3,339
16 and 17 years	1,481	1,505	1,466	1,481	1,376	1,552	1,548	1,476	1,577	1,561	1,537	1,489	1,439
18 and 19 years	2,071	1,953	1,890	1,959	1,898	1,969	1,957	1,915	1,920	1,924	1,973	1,956	1,914
20 to 24 years	5,742	5,646	5,597	5,552	5,494	5,540	5,510	5,405	5,322	5,365	5,400	5,342	5,299
25 years and over	40,366	40,372	40,294	40,295	40,249	40,216	40,114	40,027	39,926	40,038	39,997	40,165	40,230
25 to 54 years	31,460	31,415	31,315	31,347	31,271	31,253	31,204	31,070	31,148	31,094	31,132	31,281	31,290
55 years and over	8,907	8,948	8,949	8,939	8,907	8,971	8,912	8,943	8,812	9,007	8,901	8,900	8,938
Female													
16 years and over	30,204	30,067	29,908	29,601	29,408	29,718	29,554	29,682	29,812	29,956	29,593	29,586	29,821
16 to 19 years	2,689	2,691	2,736	2,704	2,590	2,861	2,763	2,744	2,761	2,745	2,605	2,619	2,737
16 and 17 years	1,062	1,095	1,049	1,041	948	1,136	1,112	1,151	1,132	1,123	1,007	1,052	1,092
18 and 19 years	1,627	1,599	1,683	1,658	1,648	1,689	1,662	1,602	1,635	1,631	1,586	1,572	1,645
20 to 24 years	4,748	4,764	4,688	4,657	4,460	4,474	4,470	4,434	4,473	4,561	4,479	4,517	4,641
25 years and over	22,775	22,603	22,456	22,244	22,386	22,373	22,317	22,506	22,563	22,684	22,464	22,481	22,449
25 to 54 years	16,549	17,502	17,427	17,223	17,375	17,434	17,242	17,425	17,471	17,573	17,304	17,296	17,302
55 years and over	5,194	5,074	5,023	4,968	4,960	4,977	5,044	5,129	5,116	5,230	5,163	5,115	5,116

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

(In thousands)

Occupation group	1971										1970		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
White-collar workers	38,759	38,830	38,560	38,035	37,868	38,128	37,932	37,838	37,791	38,086	38,107	38,165	38,110
Professional & technical	11,177	11,256	11,236	11,019	11,247	11,025	10,969	10,837	10,907	10,777	11,132	11,156	11,172
Managers, officials and proprietors	8,964	8,913	8,850	8,661	8,588	8,680	8,607	8,662	8,573	8,729	8,408	8,378	8,349
Clerical workers	13,582	13,660	13,439	13,306	13,119	13,394	13,236	13,247	13,265	13,474	13,613	13,700	13,671
Sales workers	5,036	5,001	5,035	5,049	4,914	5,029	5,120	5,092	5,046	5,106	4,954	4,931	4,918
Blue-collar workers	27,400	27,196	26,887	27,182	27,031	26,978	27,005	26,999	27,196	27,023	27,444	27,695	27,736
Craftsmen and foremen	10,093	10,003	10,025	10,275	10,219	10,059	10,050	10,045	10,291	9,985	10,149	10,163	10,205
Operatives	13,133	13,144	12,859	12,838	12,968	12,915	12,927	12,899	12,841	12,931	13,583	13,747	13,895
Nonfarm laborers	4,174	4,049	4,003	4,069	3,844	4,004	4,028	4,055	4,064	4,107	3,712	3,785	3,636
Service workers	10,668	10,677	10,710	10,666	10,576	10,743	10,492	10,681	10,621	10,749	9,799	9,728	9,834
Farmers and farm laborers	3,012	2,947	3,036	3,002	2,941	3,025	3,169	2,991	2,944	3,026	3,080	2,990	2,997

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

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry

SIC CODE	Industry	(In thousands)									
		All employees					Production workers ¹				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
-	TOTAL	71,432	71,234	70,542	70,604	70,841	-	-	-	-	-
-	PRIVATE SECTOR	58,381	58,503	58,281	57,883	58,469	48,295	48,408	48,180	47,777	48,347
-	MINING	522	621	625	622	627	376	470	473	472	477
10	METAL MINING	-	83.7	83.3	93.8	95.9	-	65.1	64.4	75.3	77.3
101	Iron ores	-	24.5	25.6	25.8	27.1	-	19.8	20.9	20.8	22.1
102	Copper ores	-	29.2	27.4	37.1	37.5	-	21.3	19.3	29.4	29.8
11,12	COAL MINING	-	157.5	156.2	148.9	147.7	-	135.6	134.0	128.8	127.7
12	Bituminous coal and lignite mining	-	152.1	150.8	143.3	142.1	-	130.8	129.2	123.8	122.8
13	OIL AND GAS EXTRACTION	-	262.1	266.9	263.2	265.1	-	172.0	176.3	172.2	174.0
131,2	Crude petroleum and natural gas fields	-	140.7	144.0	142.2	144.0	-	71.6	74.2	72.2	73.9
138	Oil and gas field services	-	121.4	122.9	121.0	121.1	-	100.4	102.1	100.0	100.1
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	117.9	118.6	116.5	118.6	-	97.1	98.2	96.0	98.4
142	Crushed and broken stone	-	42.6	42.7	42.1	42.6	-	35.8	36.2	35.5	36.0
144	Sand and gravel	-	39.5	40.0	38.1	39.1	-	-	-	-	-
	CONTRACT CONSTRUCTION	3,445	3,465	3,509	3,471	3,497	2,887	2,908	2,949	2,913	2,936
	GENERAL BUILDING CONTRACTORS	-	991.6	1,011.9	1,022.4	1,030.7	-	826.2	846.1	855.8	863.5
16	HEAVY CONSTRUCTION CONTRACTORS	-	770.9	783.2	783.3	797.4	-	663.4	674.8	674.3	686.5
161	Highway and street construction	-	372.4	379.8	379.7	391.0	-	331.4	338.7	338.7	350.3
162	Heavy construction, n e c	-	398.5	403.4	403.6	406.4	-	332.0	336.1	335.6	336.2
17	SPECIAL TRADE CONTRACTORS	-	1,702.6	1,713.7	1,665.4	1,668.6	-	1,418.7	1,428.0	1,383.3	1,386.4
171	Plumbing, heating, air conditioning	-	403.8	404.0	411.8	405.9	-	322.8	322.4	331.9	326.4
172	Painting, paper hanging, decorating	-	125.8	128.9	126.6	133.5	-	110.4	113.1	110.7	117.3
173	Electrical work	-	295.1	298.5	298.4	302.1	-	236.4	239.4	238.9	243.0
174	Masonry, stonework, and plastering	-	220.8	222.2	210.6	210.2	-	199.9	201.3	190.1	189.3
176	Roofing and sheet metal work	-	115.9	116.2	117.5	117.1	-	95.3	95.6	97.1	96.9
	MANUFACTURING	18,782	18,840	18,651	18,813	19,481	13,671	13,744	13,524	13,550	14,201
19,24,25,32-39	DURABLE GOODS	10,667	10,655	10,485	10,634	11,196	7,699	7,697	7,514	7,548	8,096
20-23,26-31	NONDURABLE GOODS	8,115	8,185	8,166	8,179	8,285	5,972	6,047	6,010	6,002	6,105
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	188.7	189.9	189.9	221.9	229.7	92.4	93.5	93.1	118.1	124.6
192	Ammunition, except for small arms	131.7	131.8	132.0	152.6	159.9	57.8	58.2	58.3	75.3	81.5
1925	Complete guided missiles	-	90.7	90.3	93.1	94.2	-	26.6	26.6	28.8	29.4
1929	Ammunition, exc. for small arms, nec	-	41.1	41.7	59.5	65.7	-	31.6	31.7	46.5	52.1
24	LUMBER AND WOOD PRODUCTS	598.1	600.7	602.3	569.5	577.1	516.3	519.0	520.7	490.1	497.6
241	Logging camps & logging contractors	75.9	75.6	76.5	72.6	74.4	-	-	-	-	-
242	Sawmills and planing mills	213.4	215.8	216.5	210.3	213.4	193.9	196.3	196.7	191.1	194.2
2421	Sawmills and planing mills, general	-	183.3	184.4	178.3	181.5	-	167.0	167.9	162.6	165.5
243	Millwork, plywood & related products	191.3	191.8	191.8	169.5	171.2	160.0	160.3	160.3	140.4	142.1
2431	Millwork	-	84.4	83.4	73.7	74.9	-	69.1	68.4	59.4	60.5
2432	Veneer and plywood	-	76.5	76.4	70.2	71.1	-	68.5	68.4	62.6	63.5
244	Wooden containers	29.1	29.8	29.8	31.3	31.2	25.8	26.4	26.5	27.6	27.6
2441,2	Wooden boxes, shooks, and crates	-	24.0	24.3	25.1	25.5	-	21.3	21.6	22.2	22.6
249	Miscellaneous wood products	88.4	87.7	87.7	85.8	86.9	72.9	72.5	72.7	71.2	72.1

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Oct. p 1971	Sept. p 1971	Aug. 1971	Oct. 1970	Sept. 1970	Oct. p 1971	Sept. p 1971	Aug. 1971	Oct. 1970	Sept. 1970
<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES.....	476.1	468.3	459.1	459.3	460.2	392.6	386.3	377.5	378.5	380.1
251	Household furniture.....	342.4	335.5	326.9	322.2	320.6	290.5	284.8	276.1	273.0	271.7
2511	Wood household furniture.....	—	170.2	163.8	163.2	162.3	—	149.5	143.1	143.4	142.5
2512	Upholstered household furniture.....	—	92.7	90.9	88.7	87.5	—	77.6	75.8	73.9	72.8
2515	Mattresses and bedsprings.....	—	38.5	38.3	36.6	37.5	—	29.7	29.5	28.3	29.1
252	Office furniture.....	—	34.4	33.9	35.2	36.3	—	26.1	25.7	27.2	28.3
254	Partitions and fixtures.....	—	51.5	51.0	51.7	52.6	—	39.6	39.2	40.0	41.2
253,9	Other furniture and fixtures.....	47.3	46.9	47.3	50.2	50.7	36.3	35.8	36.5	38.3	38.9
32	STONE, CLAY, AND GLASS PRODUCTS...	641.4	644.5	643.8	636.8	648.3	510.8	513.5	512.6	506.8	517.6
321	Flat glass.....	—	25.0	24.4	23.9	24.5	—	18.6	17.9	17.6	18.0
322	Glass and glassware, pressed or blown...	130.1	130.8	131.4	134.2	135.6	110.9	112.1	112.8	116.5	118.2
3221	Glass containers.....	—	77.4	77.4	79.2	79.3	—	67.9	67.9	70.3	70.6
3229	Pressed and blown glass, n e c.....	—	53.4	54.0	55.0	56.3	—	44.2	44.9	46.2	47.6
324	Cement, hydraulic.....	32.6	32.9	33.2	32.9	33.8	25.8	26.0	26.3	25.5	26.4
325	Structural clay products.....	(*)	57.3	58.1	57.9	58.8	(*)	47.3	48.3	47.1	48.1
3251	Brick and structural clay tile.....	—	26.0	26.4	25.7	26.1	—	22.5	23.1	22.2	22.7
326	Pottery and related products.....	—	41.2	40.1	42.7	43.3	—	34.3	33.1	35.7	36.2
327	Concrete, gypsum, and plaster products...	198.0	194.9	195.6	187.9	191.2	151.3	152.9	153.7	146.9	149.5
328,9	Other stone and nonmetallic mineral products	130.5	131.5	131.1	128.9	131.7	97.2	97.9	96.9	95.5	98.1
3291	Abrasive products.....	—	24.8	25.1	25.1	25.6	—	16.9	17.1	17.2	17.6
33	PRIMARY METAL INDUSTRIES.....	1,171.1	1,176.3	1,164.1	1,260.5	1,317.1	916.9	917.9	904.9	991.2	1,046.1
331	Blast furnace and basic steel products...	(*)	531.1	531.6	614.7	636.4	(*)	410.5	410.3	489.0	508.4
3312	Blast furnaces and steel mills.....	—	459.9	459.2	537.0	555.6	—	355.5	354.8	429.1	445.7
332	Iron and steel foundries.....	215.6	215.9	211.8	214.3	224.6	178.9	179.0	174.7	175.3	186.1
3321	Gray iron foundries.....	—	133.9	130.3	129.5	137.4	—	112.7	109.1	107.3	115.5
3322	Malleable iron foundries.....	—	23.2	22.9	21.5	22.8	—	19.4	18.9	17.7	19.1
3323	Steel foundries.....	—	58.8	58.6	63.3	64.4	—	46.9	46.7	50.3	51.5
333,4	Nonferrous metals.....	82.0	83.5	80.2	88.0	90.7	63.9	64.5	61.1	68.0	70.3
3334	Primary aluminum.....	—	31.3	31.1	31.0	32.1	—	25.7	25.4	25.2	26.2
335	Nonferrous rolling and drawing.....	201.1	204.2	199.3	200.4	212.0	147.4	149.9	145.6	145.6	157.8
3351	Copper rolling and drawing.....	—	41.5	41.3	42.2	43.0	—	30.8	30.7	30.5	31.9
3352	Aluminum rolling and drawing.....	—	64.2	62.7	67.6	68.5	—	46.4	44.8	48.7	50.0
3357	Nonferrous wire drawing and insulating...	—	79.0	75.5	69.8	78.9	—	59.5	56.5	51.7	60.7
336	Nonferrous foundries.....	(*)	77.8	76.4	76.8	82.3	(*)	63.9	62.4	62.2	67.6
3361	Aluminum castings.....	—	39.0	38.0	38.5	42.3	—	32.5	31.4	31.5	35.4
3362,9	Other nonferrous castings.....	—	38.8	38.4	38.3	40.0	—	31.4	31.0	30.7	32.2
339	Miscellaneous primary metal products...	62.7	63.8	64.8	66.3	71.1	49.3	50.1	50.8	51.1	55.9
3391	Iron and steel forgings.....	—	42.9	43.9	43.2	47.2	—	34.3	35.0	33.5	37.6
34	FABRICATED METAL PRODUCTS.....	1,345.6	1,352.0	1,332.4	1,333.6	1,394.9	1,026.7	1,032.8	1,012.9	1,007.5	1,069.2
341	Metal cans.....	(*)	76.2	76.6	71.3	75.3	(*)	65.5	66.0	60.4	64.4
342	Cutlery, hand tools, and hardware.....	150.5	150.0	146.9	140.1	152.5	118.5	117.4	113.9	105.5	118.2
3421,3,5	Cutlery and hand tools, incl. saws.....	—	61.8	61.2	61.4	62.2	—	48.3	47.2	47.3	47.9
3429	Hardware, n e c.....	—	88.2	85.7	78.7	90.3	—	69.1	66.7	58.2	70.3
343	Plumbing and heating, except electric...	82.3	81.7	80.8	82.1	81.0	61.7	61.2	60.2	60.7	59.7
3431,2	Sanitary ware & plumbers' brass goods...	—	39.4	39.0	36.7	35.8	—	31.4	30.9	28.7	27.9
3433	Heating equipment, except electric.....	—	42.3	41.8	45.4	45.2	—	29.8	29.3	32.0	31.8
344	Fabricated structural metal products.....	421.9	424.3	422.9	427.3	433.7	301.6	303.6	302.6	307.4	314.0
3441	Fabricated structural steel.....	—	106.9	106.0	112.2	112.2	—	77.8	77.2	83.2	83.3
3442	Metal doors, sash, and trim.....	—	74.6	73.8	68.9	68.3	—	55.1	54.7	49.6	49.7
3443	Fabricated plate work (boiler shops)...	—	112.6	113.2	117.4	120.1	—	77.8	78.4	82.8	85.3
3444	Sheet metal work.....	—	79.7	79.9	79.8	82.5	—	57.9	57.6	57.2	59.8
3446,9	Architectural and misc. metal work.....	—	50.5	50.0	49.0	50.6	—	35.0	34.7	34.6	35.9
345	Screw machine products, bolts, etc.....	92.7	93.1	90.8	100.0	101.6	71.4	71.7	69.5	77.3	79.0
3451	Screw machine products.....	—	40.5	39.6	45.4	45.0	—	33.1	32.4	37.5	37.1
3452	Bolts, nuts, rivets, and washers.....	—	52.6	51.2	54.6	56.6	—	38.6	37.1	39.8	41.9
346	Metal stampings.....	225.8	226.2	217.7	208.8	242.9	181.8	182.5	174.2	163.6	197.1
347	Metal services, n e c.....	77.6	77.1	75.3	81.5	82.9	63.9	63.3	61.3	67.1	68.1
348	Misc. fabricated wire products.....	(*)	65.9	64.8	66.2	67.0	(*)	52.1	51.0	52.2	53.3
349	Misc. fabricated metal products.....	157.3	157.5	156.6	156.3	158.0	114.8	115.5	114.2	113.3	115.4
3494,8	Valves, pipe, and pipe fittings.....	—	95.9	95.5	95.2	96.0	—	67.1	66.5	66.6	67.5

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	1,780.0	1,785.5	1,767.6	1,874.6	1,928.7	1,165.4	1,169.5	1,146.5	1,230.9	1,282.5
351	Engines and turbines	115.5	115.4	115.8	109.2	108.8	76.3	76.1	76.6	72.2	72.8
3511	Steam engines and turbines	-	45.1	44.3	38.0	36.9	-	25.9	25.3	20.5	20.3
3519	Internal combustion engines, n e c	-	70.3	71.5	71.2	71.9	-	50.2	51.3	51.7	52.5
352	Farm machinery	-	122.0	118.2	123.6	125.6	-	85.6	81.3	86.2	87.9
353	Construction and related machinery	274.4	276.5	275.5	284.3	291.3	175.1	177.4	176.5	185.3	191.9
3531.2	Construction and mining machinery	-	146.5	144.6	150.1	155.3	-	95.7	94.5	100.9	105.7
3533	Oil field machinery	-	45.2	45.3	44.9	45.3	-	30.6	30.6	30.2	30.6
3535.6	Conveyors, hoists, cranes, monorails	-	38.7	38.8	41.3	42.2	-	24.3	24.0	25.8	26.7
3537	Industrial trucks and tractors	-	30.4	30.7	31.6	32.2	-	18.9	19.3	19.8	20.4
354	Metal working machinery	261.4	259.5	253.2	287.6	299.8	190.6	188.1	181.3	207.9	219.6
3541	Machine tools, metal cutting types	-	50.4	49.1	59.9	63.8	-	32.4	31.1	37.9	41.7
3544	Special dies, tools, jigs, & fixtures	-	100.7	97.6	106.6	110.0	-	80.1	77.0	84.6	88.0
3545	Machine tool accessories	-	44.4	43.4	49.4	52.5	-	31.3	29.9	34.9	37.8
3542.8	Misc. metal working machinery	-	64.0	63.1	71.7	73.5	-	44.3	43.3	50.5	52.1
355	Special industry machinery	176.5	176.8	176.3	188.6	192.9	113.4	113.8	113.4	121.9	126.6
3551	Food products machinery	-	39.6	39.4	41.4	42.5	-	24.4	24.1	25.7	27.1
3552	Textile machinery	-	34.7	34.9	36.6	37.1	-	25.5	25.8	26.8	27.3
3555	Printing trades machinery	-	28.0	27.7	30.4	31.1	-	17.0	16.9	18.9	19.7
356	General industrial machinery	250.0	251.4	249.8	268.4	280.9	164.2	166.3	162.8	175.6	186.6
3561	Pumps and compressors	-	67.3	67.6	72.2	76.1	-	40.0	39.6	42.0	45.1
3562	Ball and roller bearings	-	49.4	48.3	54.2	59.8	-	37.6	36.3	41.0	46.2
3564	Blowers and fans	-	32.8	32.4	32.9	33.1	-	21.3	20.9	21.4	21.5
3566	Power transmission equipment	-	46.9	47.0	50.1	51.4	-	33.2	32.6	35.3	36.6
357	Office and computing machines	242.0	243.6	242.3	269.6	273.9	111.8	112.2	109.6	129.3	132.6
3573	Electronic computing equipment	-	169.5	168.2	182.2	184.6	-	62.2	59.9	68.0	69.4
358	Service industry machines	135.6	136.1	136.2	141.4	145.3	92.7	93.1	92.0	98.4	102.4
3585	Refrigeration machinery	-	88.9	89.7	94.0	97.1	-	61.4	61.1	65.8	69.0
359	Misc. machinery, except electrical	204.6	204.2	200.3	201.9	210.2	156.8	156.9	153.0	154.1	162.1
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,794.9	1,803.5	1,777.2	1,863.4	1,909.6	1,193.4	1,202.5	1,171.0	1,230.1	1,269.3
361	Electric test & distributing equipment	(*)	196.0	194.3	204.3	208.2	(*)	133.1	131.2	139.6	142.1
3611	Electric measuring instruments	-	63.6	62.7	65.8	67.2	-	38.9	38.2	40.8	41.3
3612	Transformers	-	54.2	53.2	56.7	58.2	-	39.5	38.4	41.2	42.6
3613	Switchgear and switchboard apparatus	-	78.2	78.4	81.8	82.8	-	54.7	54.6	57.6	58.2
362	Electrical industrial apparatus	(*)	199.1	196.3	212.5	221.6	(*)	136.4	133.3	145.7	153.7
3621	Motors and generators	-	107.1	105.2	116.1	121.8	-	74.8	72.7	81.1	86.3
3622	Industrial controls	-	54.2	53.3	55.5	57.7	-	34.8	33.9	35.4	37.0
363	Household appliances	186.1	190.0	182.8	192.1	182.3	147.0	152.2	143.7	153.6	144.4
3632	Household refrigerators and freezers	-	58.9	55.2	62.0	55.1	-	49.4	44.2	51.3	44.8
3633	Household laundry equipment	-	28.8	28.8	28.1	25.8	-	23.6	23.7	22.8	20.4
3634	Electric housewares and fans	-	49.4	47.6	50.5	50.1	-	38.6	36.9	40.2	39.8
364	Electric lighting and wiring equipment	183.9	185.3	181.9	187.5	194.6	141.4	142.4	138.9	143.0	149.5
3641	Electric lamps	-	35.0	34.7	37.3	37.5	-	30.7	30.5	32.8	33.0
3642	Lighting fixtures	-	63.8	62.5	60.1	65.2	-	49.2	47.8	45.6	50.4
3643.4	Wiring devices	-	86.5	84.7	90.1	91.9	-	62.5	60.6	64.6	66.1
365	Radio and TV receiving equipment	(*)	141.7	136.7	136.0	140.4	(*)	105.3	99.3	100.8	105.0
366	Communication equipment	430.4	432.4	433.6	477.2	487.7	213.7	215.3	215.3	239.0	246.6
3661	Telephone and telegraph apparatus	-	152.6	153.4	162.9	166.5	-	99.0	99.3	108.5	112.0
3662	Radio and TV communication equipment	-	279.8	280.2	314.3	321.2	-	116.3	116.0	130.5	134.6
367	Electronic components and accessories	333.9	335.4	332.0	344.4	352.3	221.9	221.8	217.5	227.4	233.9
3671-3	Electron tubes	-	53.8	53.7	59.9	60.0	-	37.6	37.5	41.3	41.2
3674.9	Other electronic components	-	281.6	278.3	284.5	292.3	-	184.2	180.0	186.1	192.7
369	Misc. electrical equipment & supplies	126.0	123.6	119.6	109.4	122.5	98.0	96.0	91.8	81.0	94.1
3694	Engine electrical equipment	-	62.9	60.5	52.5	63.2	-	49.7	47.2	38.8	49.2
37	TRANSPORTATION EQUIPMENT	1,803.7	1,770.8	1,694.6	1,531.7	1,842.1	1,284.6	1,265.9	1,188.7	989.2	1,298.1
371	Motor vehicles and equipment	(*)	896.2	832.1	591.4	879.0	(*)	697.4	631.5	397.5	688.4
3711	Motor vehicles	-	403.1	350.1	235.5	373.7	-	298.9	244.8	138.5	277.5
3712	Passenger car bodies	-	55.2	54.0	18.7	61.1	-	45.0	44.4	6.0	52.3
3713	Truck and bus bodies	-	38.9	38.4	34.0	39.6	-	30.9	30.4	26.1	31.6
3714	Motor vehicle parts and accessories	-	376.4	367.0	281.5	381.0	-	305.3	294.8	211.2	309.5
3715	Truck trailers	-	22.6	22.6	21.7	23.6	-	17.3	17.1	15.2	17.5
372	Aircraft and parts	509.8	519.3	516.4	626.8	640.6	273.0	279.8	275.5	340.8	352.1
3721	Aircraft	-	280.3	280.7	340.0	346.0	-	145.0	145.2	177.3	181.4
3722	Aircraft engines and engine parts	-	149.1	145.5	175.5	180.2	-	79.5	74.9	92.0	96.4
3723.9	Other aircraft parts and equipment	-	89.9	90.2	111.3	114.4	-	55.3	55.4	71.5	74.3
373	Ship and boat building and repairing	(*)	169.5	163.7	161.0	160.5	(*)	136.9	133.0	128.4	127.2
3731	Ship building and repairing	-	130.9	127.4	128.5	128.6	-	105.3	103.7	102.9	102.6

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
<i>Durable Goods--Continued</i>											
TRANSPORTATION EQUIPMENT--Continued											
3732	Boat building and repairing.....	-	38.6	36.3	32.5	31.9	-	31.6	29.3	25.5	24.6
374	Railroad equipment.....	-	52.7	51.2	43.5	52.5	-	41.1	39.9	33.4	40.4
375,9	Other transportation equipment.....	-	133.1	131.2	109.0	109.5	-	110.7	108.8	89.1	90.0
38	INSTRUMENTS AND RELATED PRODUCTS.....	434.2	434.9	432.4	446.1	451.7	260.6	260.7	257.0	266.0	271.4
381	Engineering & scientific instruments.....	-	63.1	62.5	67.7	69.1	-	29.9	29.5	32.5	33.5
382	Mechanical measuring & control devices.....	97.5	98.0	97.1	104.2	106.1	59.0	59.6	58.0	62.4	64.6
3821	Mechanical measuring devices.....	-	60.9	60.6	66.3	67.6	-	34.9	33.9	37.0	38.8
3822	Automatic temperature controls.....	-	37.1	36.5	37.9	38.5	-	24.7	24.1	25.4	25.8
383,5	Optical and ophthalmic goods.....	51.1	50.7	49.8	51.6	52.1	35.7	35.2	34.5	35.4	35.8
385	Ophthalmic goods.....	-	35.2	34.6	34.9	35.1	-	26.6	26.0	26.2	26.4
384	Medical instruments and supplies.....	87.8	87.4	87.2	83.5	83.6	57.9	57.4	56.9	55.1	55.3
386	Photographic equipment and supplies.....	(*)	105.5	107.2	109.5	109.8	(*)	53.9	54.9	56.7	57.2
387	Watches, clocks, and watchcases.....	-	30.2	28.6	29.6	31.0	-	24.7	23.2	23.9	25.0
MISCELLANEOUS MANUFACTURING											
39	INDUSTRIES.....	432.7	428.4	421.4	437.0	436.6	339.0	335.1	328.6	339.2	339.5
391	Jewelry, silverware, and plated ware.....	51.6	50.2	48.8	50.4	49.8	38.9	37.5	36.5	37.2	36.9
394	Toys and sporting goods.....	-	123.1	121.3	127.0	126.6	-	101.1	99.1	103.6	103.1
3941-3	Games, toys, dolls, & play vehicles.....	-	72.2	71.4	77.5	77.6	-	59.5	58.7	63.9	64.0
3949	Sporting and athletic goods, n e c.....	-	50.9	49.9	49.5	49.0	-	41.6	40.4	39.7	39.1
395	Pens, pencils, office, and art supplies.....	-	32.5	32.1	33.5	33.6	-	22.7	22.4	23.9	24.1
396	Costume jewelry and notions.....	-	59.8	59.8	64.7	63.0	-	49.1	49.0	50.9	51.4
393,9	Other manufacturing industries.....	164.3	162.8	159.4	163.4	163.6	125.9	124.7	121.6	123.6	124.0
393	Musical instruments and parts.....	-	21.4	20.3	20.3	20.7	-	17.3	16.3	15.8	16.2
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS.....	1,823.7	1,887.7	1,882.8	1,836.6	1,892.1	1,242.1	1,314.5	1,302.4	1,256.3	1,306.6
201	Meat products.....	358.2	356.4	356.9	353.6	356.3	295.6	294.2	294.2	291.6	293.0
2011	Meat packing plants.....	-	185.3	185.0	181.7	184.4	-	148.6	148.0	144.8	146.5
2013	Sausages and other prepared meats.....	-	62.2	62.1	61.7	61.7	-	45.9	45.9	45.4	45.2
2015	Poultry dressing plants.....	-	108.9	109.8	110.2	110.2	-	99.7	100.3	101.4	101.3
202	Dairy products.....	(*)	233.3	238.6	237.6	242.1	(*)	112.7	116.2	112.5	115.7
2024	Ice cream and frozen desserts.....	-	26.8	28.9	26.1	27.4	-	13.8	15.2	13.2	14.1
2026	Fluid milk.....	-	160.7	163.0	166.3	168.4	-	63.3	64.4	64.2	65.5
203	Canned, cured, and frozen foods.....	-	395.3	384.0	316.6	381.4	-	348.6	335.0	269.1	332.2
2031,6	Canned, cured, and frozen sea foods.....	-	39.5	40.3	45.6	44.6	-	34.3	35.0	39.9	39.1
2032,3	Canned food, except sea foods.....	-	249.6	238.5	159.0	225.9	-	223.3	209.9	132.1	197.6
2037	Frozen fruits and vegetables.....	-	67.3	66.3	70.0	70.5	-	59.8	58.9	62.6	62.8
204	Grain mill products.....	136.5	137.6	139.5	137.6	136.7	97.7	99.0	100.5	98.8	97.4
2041	Flour and other grain mill products.....	-	28.3	28.4	28.1	28.0	-	21.0	21.1	21.1	20.9
2042	Prepared feeds for animals and fowls.....	-	67.2	69.2	67.6	68.2	-	45.3	47.0	45.6	46.2
205	Bakery products.....	274.4	273.5	273.5	274.6	275.8	161.4	161.9	162.1	162.8	163.7
2051	Bread, cake, and related products.....	-	226.7	227.7	229.1	229.2	-	123.8	125.0	126.0	125.9
2052	Cookies and crackers.....	-	46.8	45.8	45.5	46.6	-	38.1	37.1	36.8	37.8
206	Sugar.....	-	32.5	28.4	43.5	28.7	-	24.6	21.2	35.6	20.9
207	Confectionery and related products.....	(*)	78.0	75.5	84.3	82.9	(*)	63.2	60.9	68.8	67.6
2071	Confectionery products.....	-	60.9	58.1	68.2	66.4	-	50.4	47.7	56.7	55.2
208	Beverages.....	238.1	239.2	244.1	241.3	243.2	118.7	119.0	121.4	121.6	123.3
2082	Malt liquors.....	-	56.9	57.4	58.1	59.8	-	38.2	38.6	38.1	39.6
2086	Bottled and canned soft drinks.....	-	134.5	138.9	131.8	135.2	-	49.8	51.6	48.4	50.9
209	Misc. foods and kindred products.....	143.5	141.9	142.3	147.5	145.0	93.0	91.3	90.9	95.5	92.8
21	TOBACCO MANUFACTURES.....	80.5	84.2	77.7	91.6	93.2	66.9	70.4	64.0	78.1	79.5
211	Cigarettes.....	-	41.0	40.7	43.3	44.4	-	32.8	32.4	35.3	36.2
212	Cigars.....	-	15.9	15.2	17.5	17.8	-	14.3	13.6	15.9	16.2
22	TEXTILE MILL PRODUCTS.....	963.4	963.5	964.7	965.5	974.3	846.4	846.2	846.4	846.0	854.7
221	Weaving mills, cotton.....	210.2	210.7	210.8	218.0	217.9	191.0	191.5	191.4	197.8	197.7
222	Weaving mills, synthetics.....	95.0	94.6	94.7	96.4	97.0	84.2	83.7	83.8	84.7	85.1
223	Weaving and finishing mills, wool.....	27.0	27.5	28.4	33.6	34.9	22.2	22.5	23.3	28.2	29.4
224	Narrow fabric mills.....	30.4	30.2	29.0	29.0	29.8	26.7	26.5	25.4	25.5	26.2
225	Knitting mills.....	249.3	249.7	251.1	246.0	249.3	219.4	219.9	220.9	215.7	219.4
2251	Women's hosiery, except socks.....	-	57.9	58.1	67.1	69.6	-	52.3	52.4	60.0	62.2
2252	Hosiery, n e c.....	-	34.6	35.4	36.0	36.2	-	30.9	31.5	32.2	32.5
2253	Knit outerwear mills.....	-	76.6	76.6	70.3	70.2	-	66.4	66.5	60.8	61.0
2254	Knit underwear mills.....	-	31.6	31.4	29.3	29.5	-	27.9	27.7	25.7	25.8

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				
		Oct. 1971 p	Sept. 1971 p	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 p	Sept. 1971 p	Aug. 1971	Oct. 1970	Sept. 1970
	<i>Nondurable Goods--Continued</i>										
	TEXTILE MILL PRODUCTS--Continued										
226	Textile finishing, except wool	85.7	85.3	86.0	83.2	83.6	72.4	71.9	72.8	70.4	70.8
227	Floor covering mills	-	56.5	56.1	57.8	57.8	-	45.1	44.2	45.8	45.9
228	Yarn and thread mills	135.9	135.5	135.9	130.0	129.6	124.6	124.3	124.7	119.7	119.3
229	Miscellaneous textile goods	73.2	73.5	72.7	71.5	74.4	60.4	60.8	59.9	58.2	60.9
23	APPAREL AND OTHER TEXTILE PRODUCTS...	1,375.5	1,371.5	1,366.1	1,368.3	1,377.6	1,204.8	1,201.0	1,194.5	1,198.2	1,209.5
231	Men's and boys' suits and coats	(*)	109.7	108.3	112.4	115.2	(*)	96.9	94.9	97.7	100.5
232	Men's and boys' furnishings	390.6	390.8	391.5	377.8	381.1	343.3	343.9	344.6	333.8	337.6
2321	Men's and boys' shirts and nightwear ...	-	121.1	121.1	120.4	122.3	-	107.3	107.6	107.4	109.5
2327	Men's and boys' separate trousers	-	84.8	85.8	82.8	82.8	-	76.1	76.8	74.8	74.9
2328	Men's and boys' work clothing	-	86.4	85.3	82.8	83.8	-	75.5	74.5	71.2	72.2
233	Women's and misses' outerwear	426.1	424.7	422.8	431.4	429.4	376.9	374.8	372.8	382.3	381.7
2331	Women's and misses' blouses and waists ..	-	43.6	42.9	47.6	47.2	-	38.6	37.9	42.6	42.2
2335	Women's and misses' dresses	-	204.7	203.0	206.5	205.8	-	184.1	182.3	186.0	185.7
2337	Women's and misses' suits and coats	-	85.3	86.3	82.7	84.8	-	74.5	75.4	72.7	75.1
2339	Women's and misses' outerwear, n e c ...	-	91.1	90.6	94.6	91.6	-	77.6	77.2	81.0	78.7
234	Women's and children's undergarments ...	113.6	113.9	112.3	116.8	116.7	98.1	98.7	97.2	101.8	101.8
2341	Women's and children's underwear	-	80.4	79.8	82.5	82.7	-	70.6	70.2	73.2	73.4
2342	Corsets and allied garments	-	33.5	32.5	34.3	34.0	-	28.1	27.0	28.6	28.4
235	Hats, caps, and millinery	-	16.6	16.6	18.2	18.6	-	14.8	14.7	16.3	16.7
236	Children's outerwear	75.4	75.6	76.9	73.9	73.2	67.7	67.6	68.4	65.9	65.2
2361	Children's dresses and blouses	-	30.8	31.7	32.7	31.8	-	27.9	28.3	29.4	28.7
237,8	Fur goods and miscellaneous apparel	-	74.5	73.2	77.1	77.3	-	64.1	62.9	65.9	66.4
239	Misc. fabricated textile products	167.6	165.7	164.5	160.7	166.1	141.9	140.2	139.0	134.5	139.6
2391,2	Housefurnishings	-	68.6	67.0	68.3	66.9	-	59.4	57.6	58.7	57.5
26	PAPER AND ALLIED PRODUCTS...	687.5	694.6	688.1	694.6	704.7	527.2	533.9	526.5	532.4	542.7
261,2,6	Paper and pulp mills	(*)	211.6	209.1	211.0	217.1	(*)	164.1	161.0	161.2	166.7
263	Paperboard mills	69.9	70.8	69.7	70.6	72.3	54.9	55.7	54.7	56.5	58.2
264	Misc. converted paper products	193.0	192.9	190.8	188.3	189.6	140.3	140.1	137.6	136.2	137.8
2643	Bags, except textile bags	-	42.8	42.2	43.6	43.8	-	33.8	33.3	34.5	34.8
265	Paperboard containers and boxes	(*)	219.3	218.5	224.7	225.7	(*)	174.0	173.2	178.5	180.0
2651,2	Folding and setup paperboard boxes	-	64.7	64.1	68.2	68.3	-	53.4	52.6	56.2	56.4
2653	Corrugated and solid fiber boxes	-	105.5	104.3	106.5	107.3	-	80.7	79.7	81.5	82.6
2654	Sanitary food containers	-	30.5	30.8	31.4	31.5	-	24.6	25.0	25.5	25.6
27	PRINTING AND PUBLISHING...	1,085.8	1,081.1	1,080.6	1,104.7	1,104.2	664.6	660.2	656.4	677.7	680.3
271	Newspapers	369.9	368.7	369.0	372.5	370.5	179.5	178.2	177.8	180.9	180.4
272	Periodicals	-	71.6	72.2	76.2	76.1	-	22.4	22.3	25.2	25.5
273	Books	-	100.3	101.8	99.8	100.5	-	55.9	56.5	53.0	54.2
275	Commercial printing	351.4	348.7	344.8	356.7	357.2	270.4	268.0	264.2	275.5	276.4
2751	Commercial printing, ex. lithographic ...	-	209.2	206.1	215.9	216.1	-	163.5	160.3	168.6	169.3
2752	Commercial printing, lithographic	-	128.1	127.4	129.7	130.1	-	96.0	95.4	98.6	99.0
278	Blankbooks and bookbinding	(*)	54.5	55.5	55.7	56.8	(*)	44.9	45.7	45.5	46.8
274,6,7,9	Other publishing & printing ind.	139.0	137.3	137.3	143.8	143.1	92.4	90.8	89.9	97.6	97.0
28	CHEMICALS AND ALLIED PRODUCTS...	1,002.3	1,008.4	1,015.4	1,040.2	1,048.8	577.3	580.9	582.1	594.9	600.5
281	Industrial chemicals	308.1	310.9	311.8	322.3	324.5	168.0	169.8	169.7	174.2	175.7
2812	Alkalies and chlorine	-	20.7	20.8	21.9	22.4	-	14.0	13.9	14.9	15.2
2818	Industrial organic chemicals, n e c ...	-	125.0	126.3	131.5	133.5	-	55.7	56.4	57.2	58.9
2819	Industrial inorganic chemicals, n e c ...	-	98.7	99.4	101.0	101.3	-	56.7	57.2	58.3	58.5
282	Plastics materials and synthetics	206.0	207.3	208.5	212.7	214.4	137.8	138.8	139.1	139.0	139.8
2821	Plastics materials and resins	-	86.2	86.7	88.9	90.1	-	53.0	53.1	54.2	55.1
2823,4	Synthetic fibers	-	108.1	109.4	109.8	110.1	-	76.7	77.7	75.2	75.0
283	Drugs	148.8	149.2	150.5	146.8	146.7	73.4	73.6	73.3	70.2	70.5
2834	Pharmaceutical preparations	-	117.2	118.5	115.3	115.6	-	56.9	56.8	54.0	54.2
284	Soap, cleaners, and toilet goods	123.8	124.3	126.3	129.4	130.5	71.2	71.3	71.5	75.0	75.4
2841	Soap and other detergents	-	42.2	42.1	43.0	43.2	-	27.7	27.4	27.9	28.1
2844	Toilet preparations	-	50.6	51.7	54.7	55.0	-	28.0	27.9	32.1	32.0
285	Paints and allied products	67.4	67.8	68.9	69.4	70.3	37.3	37.4	38.5	38.5	39.4
287	Agricultural chemicals	52.4	51.9	51.6	52.8	52.6	31.0	30.6	29.9	31.3	30.9
2871,2	Fertilizers, complete & mixing only ...	-	35.4	34.8	36.5	36.0	-	22.9	22.1	23.6	23.2
286,9	Other chemical products	95.8	97.0	97.8	106.8	109.8	58.6	59.4	60.1	66.7	68.8
2892	Explosives	-	23.4	24.0	32.5	34.0	-	15.8	16.2	22.8	23.8
29	PETROLEUM AND COAL PRODUCTS	190.3	192.0	193.2	190.0	191.3	117.0	118.6	119.7	115.4	116.1
291	Petroleum refining	152.5	153.9	155.2	153.0	153.9	89.8	90.9	92.1	89.1	89.6
295,9	Other petroleum and coal products	37.8	38.1	38.0	37.0	37.4	27.2	27.7	27.6	26.3	26.5

See footnotes at end of table.

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

SIC Code	Industry*	(In thousands)									
		All employees					Production workers ¹				
		Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970
<i>Nondurable Goods--Continued</i>											
30	RUBBER AND PLASTICS PRODUCTS, N.E.C.	598.4	596.3	584.5	572.5	582.6	462.5	461.9	449.9	435.3	445.6
301	Tires and inner tubes.....	128.3	128.4	127.0	116.4	116.7	91.3	91.8	90.8	79.0	79.1
302,3,6	Other rubber products.....	176.4	174.5	170.1	165.9	173.0	139.0	138.2	132.4	127.2	134.7
302	Rubber footwear.....	—	27.4	27.0	25.3	24.9	—	23.8	23.2	21.8	21.5
307	Miscellaneous plastics products.....	293.7	293.4	287.4	290.2	292.9	232.2	231.9	226.7	229.1	231.8
31	LEATHER AND LEATHER PRODUCTS...	307.5	305.2	313.2	314.7	316.3	262.7	259.8	267.8	267.9	269.5
311	Leather tanning and finishing.....	24.9	24.9	25.6	25.9	26.2	21.5	21.5	22.1	22.4	22.6
314	Footwear, except rubber.....	206.0	203.8	211.0	207.8	210.2	178.7	176.1	183.2	179.7	182.1
312,3,5-7,9	Other leather products.....	76.6	76.5	76.6	81.0	79.9	62.5	62.2	62.5	65.8	64.8
316	Luggage.....	—	15.8	15.4	17.4	17.3	—	12.2	11.8	13.2	13.2
317	Handbags and personal leather goods.....	—	35.3	35.5	35.6	34.2	—	29.7	30.1	30.2	28.8
TRANSPORTATION AND PUBLIC UTILITIES.....											
40	RAILROAD TRANSPORTATION.....	—	594.2	594.4	618.4	626.3	—	—	—	—	—
4011	Class I railroads ²	—	537.8	538.9	552.2	559.2	—	—	—	—	—
LOCAL AND INTERURBAN PASSENGER TRANSIT.....											
41	Local and suburban transportation.....	—	262.5	243.5	283.5	281.4	—	64.5	63.8	72.0	72.3
411	Taxis.....	—	68.7	68.1	76.5	76.8	—	—	—	—	—
412	Taxicabs.....	—	102.0	102.0	109.0	108.0	—	—	—	—	—
413	Intercity highway transportation.....	—	45.8	45.5	43.2	44.9	—	42.1	41.8	39.7	41.3
42	TRUCKING AND WAREHOUSING.....	—	1,143.1	1,127.9	1,122.4	1,140.8	—	1,032.2	1,017.4	1,014.1	1,033.5
421,3	Trucking and trucking terminals.....	—	1,054.9	1,041.5	1,031.7	1,054.7	—	965.1	943.0	935.7	959.7
422	Public warehousing.....	—	88.2	86.4	90.7	86.1	—	76.1	74.4	78.4	73.8
45	TRANSPORTATION BY AIR.....	—	334.3	336.5	343.0	344.1	—	—	—	—	—
451,2	Air transportation.....	—	307.0	309.2	314.4	315.3	—	—	—	—	—
46	PIPE LINE TRANSPORTATION.....	—	18.0	18.7	17.6	17.8	—	14.0	14.8	13.8	14.1
44,47	OTHER TRANSPORTATION AND SERVICES.....	—	312.8	310.1	321.0	314.7	—	—	—	—	—
44	Water transportation.....	—	205.2	201.4	215.5	209.4	—	—	—	—	—
47	Transportation services.....	—	107.6	108.7	105.5	105.3	—	—	—	—	—
48	COMMUNICATION.....	—	1,122.1	1,124.1	1,127.7	1,137.0	—	883.6	884.3	882.0	891.0
481	Telephone communication.....	—	936.9	942.1	945.5	953.5	—	740.1	744.2	749.2	756.7
482	Telegraph communication ³	—	(*)	(*)	30.0	30.3	—	(*)	(*)	20.3	20.7
483	Radio and television broadcasting.....	—	132.4	132.7	132.8	134.1	—	107.9	107.8	105.3	106.4
49	ELECTRIC, GAS, AND SANITARY SERVICES.....	—	717.6	730.7	697.5	705.8	—	612.4	627.1	598.0	607.3
491	Electric companies and systems.....	—	299.7	304.1	290.5	293.4	—	255.3	259.9	257.1	250.6
492	Gas companies and systems.....	—	161.9	172.9	164.4	166.5	—	142.5	147.3	139.6	141.5
493	Combination companies and systems.....	—	189.8	194.1	188.5	191.2	—	162.6	167.4	164.0	167.2
494-7	Water, steam, & sanitary systems.....	—	59.0	59.6	54.1	54.7	—	52.0	52.5	47.3	48.0
—	WHOLESALE AND RETAIL TRADE.....	15,328	15,235	15,151	15,002	14,902	13,613	13,504	13,443	13,337	13,236
50	WHOLESALE TRADE.....	3,906	3,876	3,886	3,856	3,841	3,267	3,235	3,250	3,240	3,225
501	Motor vehicles & automotive equipment.....	—	344.6	343.5	329.6	328.0	—	278.6	278.3	268.4	267.8
502	Drugs, chemicals, and allied products.....	—	235.7	236.9	237.0	235.5	—	189.4	190.1	191.4	190.2
503	Dry goods and apparel.....	—	151.3	152.3	153.4	152.5	—	119.0	120.8	121.1	120.1
504	Groceries and related products.....	—	562.7	563.2	557.5	552.3	—	490.7	492.6	489.4	484.3
506	Electrical goods.....	—	342.4	347.1	328.3	326.7	—	287.3	292.8	277.4	275.8
507	Hardware; plumbing & heating equipment.....	—	173.8	174.1	170.7	169.9	—	147.3	148.1	144.4	143.4
508	Machinery, equipment, and supplies.....	—	722.8	723.5	739.4	741.4	—	610.1	610.5	628.3	629.6
509	Miscellaneous wholesalers.....	—	1,242.8	1,248.1	1,234.5	1,235.6	—	1,028.6	1,035.2	1,030.3	1,031.0
52-59	RETAIL TRADE.....	11,422	11,359	11,265	11,146	11,061	10,346	10,269	10,193	10,097	10,011
53	RETAIL GENERAL MERCHANDISE.....	—	2,317.7	2,269.6	2,311.6	2,230.0	—	2,118.3	2,073.5	2,118.2	2,038.9
531	Department stores.....	—	1,512.3	1,479.9	1,519.3	1,455.0	—	1,383.9	1,354.5	1,394.4	1,331.5
532	Mail order houses.....	—	121.4	117.1	136.7	127.7	—	113.0	107.7	127.5	118.8
533	Variety stores.....	—	321.4	311.9	317.2	311.4	—	295.4	286.5	292.7	287.3
54	FOOD STORES.....	—	1,774.7	1,741.8	1,750.8	1,720.0	—	1,648.9	1,617.4	1,626.8	1,598.6
541-3	Grocery, meat, and vegetable stores.....	—	1,605.4	1,578.0	1,582.6	1,554.0	—	1,491.2	1,464.6	1,469.6	1,443.7

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970
WHOLESALE AND RETAIL TRADE (Continued)											
56	APPAREL AND ACCESSORY STORES		719.1	704.6	717.4	706.0	-	638.6	625.3	642.0	632.0
561	Men's & boys' clothing & furnishings		124.0	123.3	128.6	125.1	-	110.5	109.6	114.6	111.3
562	Women's ready-to-wear stores		272.4	266.8	269.5	261.4	-	242.9	238.1	241.3	234.0
565	Family clothing stores		101.2	99.8	104.2	102.0	-	93.3	92.0	96.8	94.7
566	Shoe stores		149.1	144.3	141.0	145.1	-	127.4	123.3	123.3	127.8
57	FURNITURE AND HOME FURNISHINGS STORES		460.2	457.1	456.9	451.3	-	398.3	396.3	398.0	392.4
571	Furniture and home furnishings		290.9	291.6	289.5	286.4	-	250.3	250.9	251.0	247.9
58	EATING AND DRINKING PLACES		2,640.1	2,637.3	2,508.9	2,560.5	-	2,473.4	2,473.0	2,349.0	2,395.3
52,55,59	OTHER RETAIL TRADE		3,446.8	3,455.0	3,400.6	3,393.0	-	2,991.9	3,007.2	2,963.3	2,954.2
52	Building materials and farm equipment		556.0	564.5	544.5	544.6	-	478.2	487.0	467.5	466.7
55	Automotive dealers & service stations		1,643.4	1,649.4	1,606.9	1,616.4	-	-	-	-	-
551,2	Motor vehicle dealers		757.2	756.1	748.9	757.8	-	636.7	636.1	631.1	640.0
553,9	Other automotive & accessory dealers		249.2	253.0	238.0	234.3	-	212.7	217.1	205.1	200.9
554	Gasoline service stations		637.0	640.3	620.0	624.3	-	-	-	-	-
559	Miscellaneous retail stores		1,247.4	1,241.1	1,249.2	1,232.0	-	-	-	-	-
591	Drug stores and proprietary stores		450.4	447.7	456.9	453.0	-	402.9	400.8	406.7	402.6
594	Book and stationery stores		61.9	60.6	65.2	63.9	-	53.2	52.0	56.3	55.1
596	Farm and garden supply stores		105.4	103.8	105.3	105.3	-	-	-	-	-
598	Fuel and ice dealers		104.5	103.8	108.6	104.6	-	89.5	88.9	94.5	90.8
FINANCE, INSURANCE, AND REAL ESTATE⁴		3,818	3,827	3,865	3,699	3,705	3,001	3,007	3,048	2,919	2,928
60	Banking	-	1,079.7	1,092.2	1,053.2	1,053.7	-	881.3	893.8	865.1	866.4
61	Credit agencies other than banks	-	382.0	382.9	361.8	362.4	-	296.8	298.0	282.1	283.0
612	Savings and loan associations	-	121.2	120.9	109.2	108.3	-	96.9	96.8	87.3	86.5
614	Personal credit institutions	-	191.1	191.8	187.7	188.7	-	-	-	-	-
62	Security, commodity brokers & services	-	208.2	211.1	196.7	197.5	-	176.2	179.2	166.8	167.1
63	Insurance carriers	-	1,070.4	1,077.5	1,055.9	1,054.4	-	739.2	747.9	740.6	741.8
631	Life insurance	-	556.8	559.7	551.0	548.8	-	326.6	330.0	328.7	328.3
632	Accident and health insurance	-	96.6	97.5	94.8	94.4	-	82.9	84.0	81.9	81.8
633	Fire, marine, and casualty insurance	-	367.5	370.6	364.9	366.2	-	288.4	292.5	292.9	294.6
64	Insurance agents, brokers, and service	-	283.5	285.4	276.6	276.6	-	-	-	-	-
65	Real estate	-	715.1	727.0	666.7	673.4	-	-	-	-	-
655	Subdividers and developers	-	108.8	114.4	95.6	97.5	-	-	-	-	-
656	Operative builders	-	51.7	52.9	43.7	43.7	-	-	-	-	-
66,67	Other finance, insurance, & real estate	-	87.9	88.5	87.8	86.9	-	-	-	-	-
SERVICES		12,042	12,010	11,994	11,745	11,689	10,898	10,868	10,853	10,658	10,602
70	Hotels and other lodging places		817.2	882.9	734.2	781.5	-	-	-	-	-
701	Hotels, tourist courts, and motels		692.0	722.4	660.8	693.6	-	641.1	670.9	611.4	642.3
72	Personal services		933.5	932.2	985.0	979.2	-	-	-	-	-
721	Laundries and dry cleaning plants		469.4	473.5	501.2	501.5	-	425.6	429.3	455.0	455.1
722	Photographic studios		40.2	36.4	44.1	40.7	-	35.9	31.7	38.5	35.3
73	Miscellaneous business services		1,642.6	1,636.7	1,640.1	1,629.0	-	-	-	-	-
731	Advertising		116.8	118.0	121.8	122.5	-	-	-	-	-
732	Credit reporting and collection		79.7	79.4	79.4	77.9	-	-	-	-	-
734	Services to buildings		305.5	303.2	298.7	300.3	-	-	-	-	-
76	Miscellaneous repair services		179.6	180.7	182.0	181.6	-	-	-	-	-
78	Motion pictures		205.1	207.5	205.4	211.7	-	-	-	-	-
781	Motion picture filming & distributing		51.3	50.8	57.6	59.4	-	32.7	32.6	37.1	38.9
782,3	Motion picture theaters and services		153.8	156.7	147.8	152.3	-	-	-	-	-
80	Medical and other health services		3,280.9	3,273.3	3,109.3	3,092.1	-	-	-	-	-
806	Hospitals		1,969.9	1,972.3	1,899.1	1,885.6	-	1,800.7	1,805.0	1,751.6	1,740.0
81	Legal services		253.2	256.9	240.2	240.3	-	-	-	-	-
82	Educational services		1,114.9	973.5	1,191.8	1,087.8	-	-	-	-	-
821	Elementary and secondary schools		384.8	332.0	406.0	379.7	-	-	-	-	-
822	Colleges and universities		606.8	525.0	673.2	601.4	-	-	-	-	-
89	Miscellaneous services		674.7	678.1	663.3	667.8	-	-	-	-	-
891	Engineering & architectural services		311.4	314.9	299.0	301.7	-	-	-	-	-
892	Nonprofit research agencies		110.3	110.1	104.8	104.5	-	-	-	-	-

See footnotes at end of table.

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970
-	GOVERNMENT	13,051	12,731	12,261	12,721	12,372	-	-	-	-	-
91	FEDERAL GOVERNMENT ⁵	2,661	2,666	2,690	2,643	2,649	-	-	-	-	-
	Executive	-	2626.9	2649.8	2606.6	2611.9	-	-	-	-	-
	Department of Defense	-	998.1	1001.4	1009.1	1013.4	-	-	-	-	-
	Postal Service	-	705.6	713.7	718.0	718.7	-	-	-	-	-
	Other agencies	-	923.2	934.7	879.5	879.8	-	-	-	-	-
	Legislative	-	31.3	32.3	29.9	29.8	-	-	-	-	-
	Judicial	-	7.9	7.9	6.9	6.8	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	10,390	10,065	9,571	10,078	9,723	-	-	-	-	-
92	State government	-	2723.8	2644.8	2755.0	2617.1	-	-	-	-	-
	State education	-	1093.5	971.8	1181.9	1027.7	-	-	-	-	-
	Other State government	-	1630.3	1673.0	1573.1	1589.4	-	-	-	-	-
93	Local government	-	7341.4	6926.0	7322.7	7105.9	-	-	-	-	-
	Local education	-	4069.5	3511.8	4174.7	3912.3	-	-	-	-	-
	Other local government	-	3271.9	3414.2	3148.0	3193.6	-	-	-	-	-

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

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

³ Data for nonsupervisory workers exclude messengers.

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

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

* Not available.

p=preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3: Women employees on nonagricultural payrolls, by industry

SIC Code	Industry	July 1971		April 1971		July 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
-	TOTAL	25,499	36	26,200	37	25,376	36
-	PRIVATE SECTOR	20,589	35	20,551	36	20,556	35
-	MINING	37	6	37	6	38	6
10	METAL MINING	2.4	4	2.7	3	2.9	3
11,12	COAL MINING	2.4	2	2.4	2	2.4	2
13	OIL AND GAS EXTRACTION	26.7	10	26.5	10	32.4	8
131,2	Crude petroleum and natural gas fields	18.6	13	18.4	13	18.8	13
138	Oil and gas field services	8.1	7	8.1	7	8.3	7
14	NONMETALLIC MINERALS, EXCEPT FUELS	5.2	4	5.2	5	5.3	4
142	Crushed and broken stone	1.9	5	1.9	5	1.9	4
144	Sand and gravel	1.6	4	1.6	4	1.6	4
	CONTRACT CONSTRUCTION	169	5	167	5	169	5
15	GENERAL BUILDING CONTRACTORS	47.5	5	47.0	5	46.5	4
16	HEAVY CONSTRUCTION CONTRACTORS	28.8	4	27.5	4	29.7	4
161	Highway and street construction	10.4	3	9.7	3	11.1	3
162	Heavy construction, n e c	18.4	5	17.8	5	18.6	5
17	SPECIAL TRADE CONTRACTORS	92.3	5	92.0	6	92.3	5
171	Plumbing, heating, air conditioning	28.8	7	28.3	7	28.9	7
172	Painting, paper hanging, decorating	7.4	6	7.4	7	7.4	5
173	Electrical work	14.8	5	15.3	6	14.5	5
174	Masonry, stonework, and plastering	8.4	4	8.1	4	8.1	4
176	Roofing and sheet metal work	6.5	6	6.5	6	7.1	6
	MANUFACTURING	5,091	28	5,142	28	5,354	28
19,24,25,32-39	DURABLE GOODS	2,068	20	2,083	20	2,242	20
20-23,26-31	NONDURABLE GOODS	3,023	38	3,059	39	3,112	38
	<i>Durable Goods</i>						
19	ORDNANCE AND ACCESSORIES	43.0	23	45.0	23	59.7	25
192	Ammunition, except for small arms	32.0	25	33.7	25	44.3	27
1925	Complete guided missiles	15.4	17	15.4	17	17.4	18
1929	Ammunition, exc. for small arms, n e c	16.6	40	18.3	39	26.9	39
24	LUMBER AND WOOD PRODUCTS	58.6	10	57.7	10	58.1	10
241	Logging camps, & logging contractors	2.8	4	2.4	4	3.0	4
242	Sawmills and planing mills	11.8	5	11.6	6	12.4	6
2421	Sawmills and planing mills, general	8.6	5	8.4	5	9.2	5
243	Millwork, plywood & related products	19.9	11	19.9	11	18.3	11
2431	Millwork	11.0	14	10.7	14	10.0	14
2432	Veneer and plywood	7.5	10	7.2	9	6.7	10
244	Wooden containers	5.8	19	5.6	19	6.6	19
2441,2	Wooden boxes, shooks, and crates	4.8	20	4.6	19	5.5	20
249	Miscellaneous wood products	18.3	21	18.2	21	17.8	21
25	FURNITURE AND FIXTURES	110.7	24	112.5	25	106.4	24
251	Household furniture	87.1	27	87.4	27	80.5	26
2511	Wood household furniture	39.8	24	38.7	24	35.8	23
2512	Upholstered household furniture	27.1	31	27.5	31	25.4	30
2515	Mattresses and bedsprings	10.7	29	10.4	29	10.4	28
252	Office furniture	5.4	16	5.1	16	6.0	16
254	Partitions and fixtures	5.8	12	6.0	12	5.9	11
253,9	Other furniture and fixtures	12.4	27	14.0	30	14.0	28
32	STONE, CLAY, AND GLASS PRODUCTS	100.9	16	101.0	16	104.6	16
321	Flat glass	1.7	7	1.7	7	1.6	7
322	Glass and glassware, pressed or blown	42.2	33	41.7	33	44.6	34
3221	Glass containers	27.0	35	26.4	36	29.0	37
3229	Pressed and blown glass n e c	15.2	29	15.3	28	15.6	29
324	Cement, hydraulic	1.2	4	1.2	4	1.3	4
325	Structural clay products	6.5	11	6.5	12	6.8	11
3251	Brick and structural clay tile	1.2	5	1.2	5	1.3	5
326	Pottery and related products	12.3	31	13.1	32	12.6	31
327	Concrete, gypsum, and plaster products	10.9	6	10.6	6	11.0	6
328,9	Other stone and nonmetallic mineral products	18.3	14	18.5	14	18.9	14
3291	Abrasive products	5.0	20	5.0	20	5.2	20

ESTABLISHMENT DATA
WOMEN EMPLOYEES
B-3: Women employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	July 1971		April 1971		July 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Durable Goods--Continued</i>							
33	PRIMARY METAL INDUSTRIES.....	86.8	7	88.2	7	94.6	7
331	Blast furnace and basic steel products.....	27.5	4	27.6	4	29.5	5
3312	Blast furnaces and steel mills.....	21.1	4	21.1	4	22.6	4
332	Iron and steel foundries.....	10.3	5	11.0	5	12.1	5
3321	Gray iron foundries.....	5.2	4	5.3	4	6.3	5
3322	Malleable iron foundries.....	1.0	4	1.0	4	1.1	5
3323	Steel foundries.....	4.1	7	4.7	8	4.7	7
333,4	Nonferrous metals.....	3.4	4	3.5	4	4.0	4
3334	Primary aluminum.....	.8	3	.8	3	1.0	3
335	Nonferrous rolling and drawing.....	30.6	15	31.6	15	32.8	15
3351	Copper rolling and drawing.....	3.2	8	3.1	8	3.6	8
3352	Aluminum rolling and drawing.....	6.5	10	6.9	10	7.2	10
3357	Nonferrous wire drawing and insulating.....	18.1	24	18.7	24	18.4	24
336	Nonferrous foundries.....	10.3	14	9.8	13	11.0	13
3361	Aluminum castings.....	4.2	11	4.2	11	4.6	11
3362,9	Other nonferrous castings.....	6.1	17	5.6	15	6.4	16
339	Miscellaneous primary metal products.....	4.7	7	4.7	7	5.4	8
3391	Iron and steel forgings.....	2.5	6	2.5	6	3.0	6
34	FABRICATED METAL PRODUCTS.....	235.4	18	239.2	18	245.5	18
341	Metal cans.....	13.4	18	12.3	17	11.8	16
342	Cutlery, hand tools, and hardware.....	46.0	32	48.0	32	45.5	32
3421,3,5	Cutlery and hand tools, incl. saws.....	15.5	26	15.7	26	16.0	26
3429	Hardware, n e c.....	30.5	36	32.3	36	29.5	36
343	Plumbing and heating, except electric.....	13.2	16	13.4	17	13.3	17
3431,2	Sanitary ware & plumbers' brass goods.....	7.1	18	7.2	19	7.1	19
3433	Heating equipment, except electric.....	6.1	15	6.2	15	6.2	14
344	Fabricated structural metal products.....	44.7	11	41.9	10	44.2	10
3441	Fabricated structural steel.....	5.7	5	5.6	5	5.8	5
3442	Metal doors, sash, and trim.....	16.4	23	14.5	22	15.1	23
3443	Fabricated plate work (boiler shops).....	7.9	7	7.9	7	8.1	7
3444	Sheet metal work.....	10.1	13	9.3	12	10.5	13
3446,9	Architectural and misc. metal work.....	4.6	9	4.6	10	4.7	9
345	Screw machine products, bolts, etc.....	18.2	20	19.2	20	21.6	21
3451	Screw machine products.....	9.0	23	9.4	23	10.7	23
3452	Bolts, nuts, rivets, and washers.....	9.2	18	9.8	19	10.9	19
346	Metal stampings.....	43.6	21	45.9	21	48.0	21
347	Metal services, n e c.....	14.3	19	14.5	19	16.0	19
348	Misc. fabricated wire products.....	15.8	25	16.1	25	16.0	24
349	Misc. fabricated metal products.....	26.2	17	27.9	18	29.1	18
3494,8	Valves, pipe, and pipe fittings.....	15.6	17	16.3	17	16.1	17
35	MACHINERY, EXCEPT ELECTRICAL.....	259.8	15	263.0	15	294.2	15
351	Engines and turbines.....	16.1	14	16.6	14	14.7	13
3511	Steam engines and turbines.....	5.1	12	5.0	11	4.9	12
3519	Internal combustion engines, n e c.....	11.0	15	11.6	16	9.8	14
352	Farm machinery.....	12.0	10	13.6	11	13.0	10
353	Construction and related machinery.....	26.0	9	25.9	9	27.4	9
3531,2	Construction and mining machinery.....	11.7	8	11.9	8	12.5	8
3533	Oil field machinery.....	4.3	9	4.2	9	4.4	10
3535,6	Conveyors, hoists, cranes, monorails.....	4.1	10	4.1	12	4.5	10
3537	Industrial trucks and tractors.....	2.8	9	2.8	9	3.2	10
354	Metal working machinery.....	30.0	12	30.8	12	36.4	12
3541	Machine tools, metal cutting types.....	5.0	10	5.0	10	6.7	10
3544	Special dies, tools, jigs & fixtures.....	7.5	8	7.6	8	8.7	7
3545	Machine tool accessories.....	8.0	18	8.3	18	10.3	19
3542,8	Misc. metal working machinery.....	9.5	15	9.9	15	10.7	14
355	Special industry machinery.....	21.5	12	21.5	12	23.3	12
3551	Food products machinery.....	4.7	12	4.8	12	5.1	12
3552	Textile machinery.....	4.9	14	4.6	14	4.9	13
3555	Printing trades machinery.....	3.5	12	3.7	13	4.2	13
356	General industrial machinery.....	39.1	16	39.2	16	45.4	16
3561	Pumps and compressors.....	9.2	13	9.0	13	10.3	13
3562	Ball and roller bearings.....	10.3	21	10.6	21	13.7	23
3564	Blowers and fans.....	6.0	19	5.9	19	6.3	19
3566	Power transmission equipment.....	6.0	13	6.0	13	6.5	13
357	Office and computing machines.....	63.7	26	64.4	26	78.1	27
3573	Electronic computing equipment.....	42.7	25	42.3	25	51.8	27
358	Service industry machines.....	22.8	16	23.1	17	24.8	16
3585	Refrigeration machinery.....	13.0	14	13.5	15	14.7	14
359	Misc. machinery, except electrical.....	28.6	14	27.9	14	31.1	15

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3: Women employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	July 1971		April 1971		July 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Durable Goods--Continued</i>						
36	ELECTRICAL EQUIPMENT AND SUPPLIES	669.7	38	671.7	38	742.3	39
361	Electrical rest & distributing equipment	58.3	30	58.0	30	65.1	31
3611	Electric measuring instruments	25.4	41	25.2	41	28.5	42
3612	Transformers	11.5	22	12.0	23	14.0	24
3613	Switchgear and switchboard apparatus	21.4	27	20.8	27	22.6	28
362	Electrical industrial apparatus	61.2	31	61.5	31	72.2	32
3621	Motors and generators	32.7	31	33.0	31	39.4	32
3622	Industrial controls	19.6	37	19.3	37	22.6	38
363	Household appliances	44.8	25	44.7	25	46.4	25
3632	Household refrigerators and freezers	9.7	17	10.6	17	10.7	16
3633	Household laundry equipment	4.6	16	3.9	16	3.9	16
3634	Electric housewares and fans	20.9	47	20.9	47	22.6	48
364	Electric lighting and wiring equipment	72.9	41	75.7	42	81.7	43
3641	Electric lamps	21.6	63	23.1	65	24.4	64
3642	Lighting fixtures	18.9	32	19.8	32	20.0	33
3643,4	Wiring devices	32.4	39	32.8	39	37.3	40
365	Radio and TV receiving equipment	71.9	54	69.9	53	69.3	53
366	Communication equipment	154.2	35	156.7	35	179.3	36
3661	Telephone and telegraph apparatus	70.8	46	72.7	46	79.9	47
3662	Radio and TV communication equipment	83.4	30	84.0	29	99.4	30
367	Electronic components and accessories	169.2	52	169.4	51	190.8	52
3671-3	Electron tubes	24.5	45	25.8	46	25.5	44
3674,9	Other electronic components	144.7	53	143.6	53	165.3	54
369	Misc. electrical equipment & supplies	37.2	33	35.8	32	37.5	32
3694	Engine electrical equipment	20.3	35	19.3	34	20.3	34
37	TRANSPORTATION EQUIPMENT	171.6	10	177.9	10	189.0	11
371	Motor vehicles and equipment	70.9	9	75.1	9	67.8	9
3711	Motor vehicles	24.4	7	25.7	7	22.6	7
3712	Passenger car bodies	2.3	4	2.4	4	1.2	3
3713	Truck and bus bodies	2.3	7	2.5	7	2.7	7
3714	Motor vehicle parts and accessories	40.8	12	43.3	12	40.0	11
3715	Truck trailers	1.1	5	1.2	6	1.3	5
372	Aircraft and parts	70.6	14	74.5	14	93.6	14
3721	Aircraft	38.5	14	40.8	14	53.0	15
3722	Aircraft engines and engine parts	19.2	13	20.1	13	23.9	13
3723,9	Other aircraft parts and equipment	12.9	14	13.6	14	16.7	14
373	Ship and boat building and repairing	9.6	6	9.6	6	8.7	5
3731	Ship building and repairing	5.7	5	5.5	4	5.6	4
3732	Boat building and repairing	3.9	10	4.1	11	3.1	10
374	Railroad equipment	3.5	7	3.5	7	3.9	7
375,9	Other transportation equipment	17.0	13	15.2	13	15.0	13
38	INSTRUMENTS AND RELATED PRODUCTS	154.9	36	152.6	36	164.9	36
381	Engineering & scientific instruments	14.9	24	14.4	23	17.7	25
382	Mechanical measuring & control devices	34.7	36	34.2	36	38.9	36
3821	Mechanical measuring devices	18.6	31	18.3	30	21.4	31
3822	Automatic temperature controls	16.1	44	15.9	44	17.5	45
383,5	Optical and ophthalmic goods	20.6	42	20.5	41	21.0	40
385	Ophthalmic goods	16.4	48	16.4	48	16.3	47
384	Medical instruments and supplies	41.3	48	40.8	49	41.4	49
386	Photographic equipment and supplies	25.9	24	25.4	24	28.3	25
387	Watches, clocks, and watchcases	17.5	63	17.3	61	17.6	59
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	176.7	44	173.9	43	183.0	44
391	Jewelry, silverware, and plated ware	18.6	41	19.5	40	18.9	40
394	Toys and sporting goods	59.8	52	55.0	50	61.7	53
3941-3	Games, toys, dolls, & play vehicles	36.0	56	31.4	54	40.0	58
3949	Sporting and athletic goods, n e c	23.8	46	23.6	46	21.7	45
395	Pens, pencils, office and art supplies	15.7	51	15.7	51	17.9	53
396	Costume jewelry and notions	30.0	53	30.6	54	31.9	55
393,9	Other manufacturing industries	52.6	34	53.1	34	52.6	33
393	Musical instruments and parts	7.4	38	7.5	38	7.5	37
	<i>Non-durable Goods</i>						
20	FOOD AND KINDRED PRODUCTS	452.4	25	413.8	24	460.0	25
201	Meat products	101.2	28	92.7	28	102.4	29
2011	Meat packing plants	25.4	14	24.6	14	25.5	14
2013	Sausages and other prepared meats	17.8	29	17.3	28	17.5	29
2015	Poultry dressing plants	58.0	53	50.8	54	59.4	55
202	Dairy products	41.2	17	38.9	16	41.7	17
2024	Ice cream and frozen desserts	7.4	25	6.1	23	7.5	25

ESTABLISHMENT DATA
WOMEN EMPLOYEES

B-3: Women employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	July 1971		April 1971		July 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	FOOD AND KINDRED PRODUCTS--Continued						
2026	Fluid milk	23.5	14	22.8	14	24.0	14
203	Canned, cured, and frozen foods	122.8	41	95.0	41	121.3	40
2031,6	Canned, cured, and frozen sea foods	25.4	61	22.0	59	27.5	59
2032,3	Canned food, except sea foods	57.7	35	31.5	30	51.1	33
2037	Frozen fruits and vegetables	25.6	46	29.6	49	28.6	46
204	Grain mill products	19.7	14	18.8	14	19.6	14
2041	Flour and other grain mill products	3.0	11	3.0	11	3.1	11
2042	Prepared feeds for animals and fowls	9.1	13	8.8	13	8.8	13
205	Bakery products	66.6	24	66.6	25	68.7	25
2051	Bread, cake, and related products	44.9	20	45.4	20	47.0	20
2052	Cookies and crackers	21.7	47	21.2	47	21.7	47
206	Sugar	2.5	9	2.5	9	2.5	9
207	Confectionery and related products	32.8	45	35.3	47	36.5	47
2071	Confectionery products	26.8	48	29.1	49	30.3	50
208	Beverages	30.3	12	28.6	13	29.7	12
2082	Malt liquors	3.7	6	3.7	6	3.8	6
2086	Bottled and canned soft drinks	13.0	9	12.3	10	12.7	9
209	Misc. foods and kindred products	35.3	25	35.4	25	37.6	26
21	TOBACCO MANUFACTURES	25.2	41	28.5	41	31.4	42
211	Cigarettes	11.9	32	13.1	32	15.4	35
212	Cigars	9.9	69	11.3	69	12.1	70
22	TEXTILE MILL PRODUCTS	432.2	46	436.1	45	439.3	46
221	Weaving mills, cotton	86.2	41	87.9	41	89.4	41
222	Weaving mills, synthetics	33.7	36	34.1	36	34.6	36
223	Weaving and finishing mills, wool	9.9	34	11.5	36	13.6	36
224	Narrow fabric mills	17.3	59	17.5	59	16.8	59
225	Knitting mills	161.7	66	160.6	67	164.6	67
2251	Women's hosiery, except socks	44.1	78	45.2	78	54.5	78
2252	Hosiery, n e c	25.7	73	24.9	72	26.7	73
2253	Knit outerwear mills	52.7	72	51.3	72	47.3	72
2254	Knit underwear mills	21.4	70	21.7	71	20.3	70
226	Textile finishing, except wool	22.7	27	22.3	27	21.9	27
227	Floor covering mills	18.7	35	19.2	36	19.0	35
228	Yarn and thread mills	62.4	47	63.2	47	59.1	47
229	Miscellaneous textile goods	19.6	27	19.8	28	20.3	28
23	APPAREL AND OTHER TEXTILE PRODUCTS	1044.8	80	1104.8	81	1073.2	80
231	Men's and boys' suits and coats	76.4	74	76.5	73	84.8	74
232	Men's and boys' furnishings	319.0	84	320.3	84	314.8	84
2321	Men's and boys' shirts and nightwear	104.1	87	102.8	88	107.9	88
2327	Men's and boys' separate trousers	66.8	80	68.6	81	66.5	81
2328	Men's and boys' work clothing	68.9	83	70.9	84	66.3	82
233	Women's and misses' outerwear	330.2	84	376.3	85	346.5	84
2331	Women's and misses' blouses and waists	31.9	87	42.4	88	40.1	88
2335	Women's and misses' dresses	162.9	86	194.3	87	167.4	86
2337	Women's and misses' suits and coats	62.5	76	54.3	78	62.5	76
2339	Women's and misses' outerwear, n e c	72.9	83	85.3	85	76.5	85
234	Women's and children's undergarments	93.1	86	97.3	87	96.9	87
2341	Women's and children's underwear	66.6	88	69.6	88	69.2	88
2342	Corsets and allied garments	26.5	84	27.7	85	27.7	85
235	Hats, caps, and millinery	11.3	71	12.1	72	12.4	70
236	Children's outerwear	65.8	87	64.7	87	64.8	86
2361	Children's dresses and blouses	28.8	89	30.0	90	30.3	89
237,8	Fur goods and miscellaneous apparel	51.9	74	53.8	77	54.7	74
239	Misc. fabricated textile products	97.1	63	103.8	64	98.3	64
2391,2	Housefurnishings	45.4	72	46.6	72	45.2	72
26	PAPER AND ALLIED PRODUCTS	138.0	20	141.9	21	147.5	21
261,2,6	Paper and pulp mills	22.0	11	22.6	11	24.2	11
263	Paperboard mills	5.4	8	5.3	8	5.5	8
264	Misc. converted paper products	62.6	34	64.4	35	65.0	35
2643	Bags, except textile bags	13.0	32	13.5	32	13.8	33
265	Paperboard containers and boxes	48.0	22	49.6	23	52.8	24
2651,2	Folding and setup paperboard boxes	19.7	32	20.7	33	22.3	34
2653	Corrugated and solid fiber boxes	14.2	14	14.5	14	15.3	14
2654	Sanitary food containers	9.7	32	9.9	32	10.4	32

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3: Women employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	July 1971		April 1971		July 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Nondurable Goods--Continued</i>							
27	PRINTING AND PUBLISHING	350.1	32	352.8	32	359.4	33
271	Newspapers	98.9	27	97.9	27	98.0	26
272	Periodicals	34.0	48	35.0	48	36.7	48
273	Books	48.2	47	49.6	48	48.8	48
275	Commercial printing	93.5	27	94.4	27	96.8	27
2751	Commercial printing, ex. lithographic	56.9	27	56.5	27	59.3	28
2752	Commercial printing, lithographic	33.0	26	33.8	26	34.0	26
278	Blankbooks and bookbinding	27.9	50	27.9	50	29.1	51
274,6,7,9	Other publishing & printing ind.	47.6	34	49.3	35	50.0	35
28	CHEMICALS AND ALLIED PRODUCTS	207.1	20	206.1	20	216.4	20
281	Industrial chemicals	34.2	11	34.0	11	35.9	11
2812	Alkalies and chlorines	1.6	8	1.6	8	1.8	8
2818	Industrial organic chemicals, n e c	16.5	13	16.3	13	18.1	13
2819	Industrial inorganic chemicals, n e c	10.0	10	9.9	10	9.9	10
282	Plastics materials and synthetics	35.9	17	35.0	17	35.9	16
2821	Plastics materials and resins	7.9	9	7.7	9	8.6	9
2823,4	Synthetic fibers	27.0	25	26.3	24	26.2	23
283	Drugs	57.9	38	57.1	38	58.3	39
2834	Pharmaceutical preparations	48.1	40	47.3	40	48.5	41
284	Soap, cleaners, and toilet goods	45.0	36	44.2	36	47.1	36
2841	Soap and other detergents	9.6	23	8.9	22	9.6	22
2844	Toilet preparations	25.9	52	25.6	52	27.7	52
285	Paints and allied products	11.0	16	10.9	16	11.2	15
287	Agricultural chemicals	5.9	11	6.1	10	5.7	11
2871,2	Fertilizers, complete & mixing only	2.9	8	3.2	7	3.1	9
286,9	Other chemical products	17.2	18	18.8	19	22.3	20
2892	Explosives	4.4	18	5.7	21	8.6	24
29	PETROLEUM AND COAL PRODUCTS	17.0	9	18.2	10	18.0	9
291	Petroleum refining	13.1	8	14.2	9	13.9	9
295,9	Other petroleum and coal products	3.9	10	4.0	11	4.1	11
30	RUBBER AND PLASTICS PRODUCTS, NEC	180.2	31	179.4	31	180.7	31
301	Tires and inner tubes	11.4	9	11.3	9	11.3	9
302,3,6	Other rubber products	56.8	33	57.4	34	57.2	33
302	Rubber footwear	15.0	58	15.6	59	13.6	57
307	Miscellaneous plastics products	112.0	40	110.7	40	112.2	39
31	LEATHER AND LEATHER PRODUCTS	175.5	59	176.9	57	185.6	58
311	Leather tanning and finishing	3.5	14	3.4	13	3.6	14
314	Footwear, except rubber	128.6	64	130.8	64	136.8	63
312,3,5-7,9	Other leather products	43.4	59	42.7	57	45.2	57
316	Luggage	8.9	56	8.0	49	8.6	50
317	Handbags and personal leather goods	22.5	68	22.1	67	22.8	68
-	TRANSPORTATION AND PUBLIC UTILITIES	948	21	944	21	972	21
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	20.0	8	30.2	11	22.1	8
411	Local and suburban transportation	4.6	7	4.8	7	4.9	6
412	Taxicabs	4.6	4	4.8	5	4.9	4
413	Intercity highway transportation	4.0	9	4.0	9	4.4	10
42	TRUCKING AND WAREHOUSING	101.2	9	98.9	9	101.0	9
421,3	Trucking and trucking terminals	90.1	9	87.7	9	90.1	9
422	Public warehousing	11.1	13	11.2	13	10.9	13
45	TRANSPORTATION BY AIR	86.5	26	83.7	25	89.6	26
451,2	Air transportation	83.7	27	81.2	27	86.9	28
46	PIPE LINE TRANSPORTATION	1.4	8	1.4	8	1.4	8
44	WATER TRANSPORTATION	14.5	7	15.5	7	16.2	7
47	TRANSPORTATION SERVICES	23.6	21	23.4	22	24.1	22
48	COMMUNICATION	562.5	49	556.7	49	579.0	50
481	Telephone communication	522.2	53	511.4	53	534.2	55
483	Radio and television broadcasting	31.7	24	31.1	24	31.0	24
49	ELECTRIC, GAS, AND SANITARY SERVICES	109.3	15	105.6	15	107.4	15
491	Electric companies and systems	44.7	15	42.8	15	44.2	15
492	Gas companies and systems	28.7	17	28.2	17	28.4	17

ESTABLISHMENT DATA
WOMEN EMPLOYEES
B-3: Women employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	July 1971		April 1971		July 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	ELECTRIC, GAS, AND SANITARY SERVICES--Cont'd						
493	Combination companies and systems	28.1	14	27.1	14	27.6	14
494-7	Water, steam, & sanitary systems	7.8	13	7.5	13	7.2	13
	WHOLESALE AND RETAIL TRADE	5,915	39	5,914	39	5,859	39
	WHOLESALE TRADE	867	22	864	23	879	23
501	Motor vehicles & automotive equipment	65.8	19	64.0	19	63.2	19
502	Drugs, chemicals, and allied products	82.4	35	83.5	35	82.2	35
503	Dry goods and apparel	68.7	45	70.6	47	70.6	46
504	Groceries and related products	115.8	21	112.9	21	122.9	22
506	Electrical goods	81.7	24	80.9	24	78.4	24
507	Hardware; plumbing & heating equipment	39.9	23	39.1	23	39.2	23
508	Machinery, equipment, and supplies	129.4	18	128.5	18	135.9	18
509	Miscellaneous wholesalers	270.8	22	270.3	22	272.6	22
	RETAIL TRADE	5,048	45	5,050	45	4,980	45
	RETAIL GENERAL MERCHANDISE	1,557.3	68	1,571.1	69	1,505.3	69
531	Department stores	1,025.2	69	1,026.6	69	993.6	69
532	Mail order houses	68.1	59	70.7	61	73.6	61
533	Variety stores	241.7	79	257.2	80	229.6	78
54	FOOD STORES	617.4	35	618.1	35	604.1	35
541-3	Grocery, meat, and vegetables stores	518.8	33	517.6	33	506.5	33
56	APPAREL AND ACCESSORY STORES	460.0	65	476.5	65	455.9	66
561	Men's & boys' clothing & furnishings	51.4	41	52.6	42	52.0	41
562	Women's ready-to-wear stores	233.0	88	236.1	88	226.6	88
565	Family clothing stores	68.5	67	69.9	68	71.0	70
566	Shoe stores	54.0	38	61.3	38	52.4	38
57	FURNITURE AND HOME FURNISHINGS STORES	133.2	29	134.7	30	134.0	30
571	Furniture and home furnishings	88.9	31	89.1	31	87.2	31
58	EATING AND DRINKING PLACES	1,429.5	55	1,402.7	55	1,452.3	57
52,55,59	OTHER RETAIL TRADE	850.8	25	846.7	25	828.5	24
52	Building materials and farm equipment	91.6	16	89.4	17	90.1	16
55	Automotive dealers & service stations	197.9	12	187.4	12	192.2	12
551,2	Motor vehicle dealers	85.3	11	83.7	11	86.0	11
553,9	Other automotive & accessory dealers	35.2	14	33.0	14	32.5	14
59	Miscellaneous retail stores	561.3	45	569.9	45	546.2	45
591	Drug stores and proprietary stores	271.9	61	274.1	61	272.1	61
594	Book and stationery stores	26.7	45	28.6	45	27.5	45
596	Farm and garden supply stores	19.0	18	24.3	21	19.1	18
598	Fuel and ice dealers	18.0	17	19.7	18	17.4	17
	FINANCE, INSURANCE, AND REAL ESTATE	1,995	52	1,951	52	1,937	52
60	Banking	693.2	63	677.9	64	675.6	63
61	Credit agencies other than banks	214.4	56	208.7	56	204.2	55
612	Savings and loan associations	80.8	67	76.7	67	72.2	66
614	Personal credit institutions	92.9	48	92.8	49	92.9	48
62	Security, commodity brokers & services	73.2	34	71.0	34	70.1	35
63	Insurance carriers	559.7	52	553.3	52	551.0	52
631	Life insurance	249.6	44	248.8	45	244.3	45
632	Accident and health insurance	69.6	71	69.1	72	68.4	72
633	Fire, marine, and casualty insurance	210.7	57	207.7	57	211.7	57
64	Insurance agents, brokers, and service	163.9	58	160.4	58	159.3	57
65	Real estate	246.5	34	235.8	35	234.1	34
655	Subdividers and developers	21.8	19	20.0	20	19.5	19
656	Operative builders	8.2	16	7.9	18	7.9	17
66,67	Other finance, insurance, & real estate	44.5	50	43.8	51	42.2	49
	SERVICES	6,434	53	6,396	54	6,227	53
	Hotels and other lodging places:						
701	Hotels, tourist courts, and motels	381.0	52	339.1	51	374.9	51
72	Personal services	571.0	61	579.8	61	605.0	61
721	Laundries and dry cleaning plants	312.2	65	312.4	66	334.8	65
722	Photographic studios	21.1	58	22.9	60	20.2	55

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3: Women employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	July 1971		April 1971		July 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	SERVICES - Continued						
73	Miscellaneous business services	546.5	33	535.7	33	539.2	34
731	Advertising	49.6	42	50.0	42	52.9	43
732	Credit reporting and collection	57.1	72	54.7	70	55.7	71
734	Services to buildings	99.1	33	98.1	33	95.7	32
76	Miscellaneous repair services	25.2	14	25.9	15	27.0	15
78	Motion pictures	76.6	37	72.2	37	74.9	35
781	Motion picture filming & distributing	17.1	34	16.4	35	18.0	30
782,3	Motion picture theaters and services	59.5	38	55.8	38	56.9	37
80	Medical and other health services	2,640.3	81	2,580.1	81	2,497.2	81
806	Hospitals	1,593.6	81	1,567.5	81	1,530.5	81
81	Legal services	158.4	61	153.6	63	152.8	62
82	Educational services	440.4	44	579.4	48	450.1	45
821	Elementary and secondary schools	184.6	55	247.0	60	186.6	56
822	Colleges and universities	205.6	38	276.8	41	215.7	38
89	Miscellaneous services	163.9	24	164.1	24	158.7	23
891	Engineering & architectural services	46.3	15	45.2	15	45.7	15
892	Nonprofit research agencies	33.4	30	32.6	30	31.6	30
-	GOVERNMENT.....	4,910	40	5,649	44	4,820	40
91	FEDERAL GOVERNMENT.....	712	26	713	27	714	26
92,93	STATE AND LOCAL GOVERNMENT.....	4,198	44	4,936	48	4,106	44
92	State government.....	1,083.0	41	1,160.8	41	1,041.2	40
	State education.....	389.8	40	488.2	41	374.3	39
	Other State government.....	693.2	42	672.6	42	666.9	41
93	Local government.....	3,114.5	45	3,775.1	50	3,065.1	45
	Local education.....	2,010.7	56	2,734.5	63	1,997.2	58
	Other local government.....	1,103.8	32	1,040.6	33	1,067.9	32

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

1967 = 100

Year and month	Total	Goods-producing				Service-producing								Government		
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Total	Federal	State and local	
								Total	Wholesale trade	Retail trade						
1919	41.1	55.1	184.8	31.8	54.8	33.5	87.1	33.2	-	-	34.4	22.4	23.5	-	-	
1920	41.5	54.8	202.1	26.4	54.8	34.3	93.8	32.8	-	-	36.4	23.4	22.8	-	-	
1921	37.0	44.0	156.9	31.5	42.5	33.2	81.2	33.7	-	-	36.1	23.9	22.2	-	-	
1922	39.2	48.3	151.5	36.9	46.9	34.3	82.3	36.0	-	-	35.5	24.8	22.3	-	-	
1923	43.1	54.8	197.7	38.3	53.0	36.8	91.1	38.9	-	-	36.9	26.6	22.9	-	-	
1924	42.6	52.0	179.6	41.2	49.7	37.4	89.3	39.7	-	-	38.2	27.5	23.9	-	-	
1925	43.7	53.6	177.7	45.1	51.1	38.3	89.8	41.0	-	-	38.2	28.4	24.6	-	-	
1926	45.3	55.4	193.3	48.5	52.2	39.7	92.5	42.5	-	-	40.5	30.2	25.0	-	-	
1927	45.5	54.7	181.7	50.1	51.4	40.5	91.4	43.4	-	-	42.4	31.4	25.6	-	-	
1928	45.6	54.2	171.3	50.1	51.1	40.8	89.8	43.2	-	-	44.5	32.3	26.3	-	-	
1929	47.6	57.1	177.3	46.7	55.0	42.4	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2	
1930	44.7	51.3	164.6	42.8	49.2	41.0	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2	
1931	40.5	44.1	142.4	37.8	42.0	38.5	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2	
1932	35.9	37.1	119.2	30.2	35.6	35.2	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7	
1933	36.0	38.5	121.4	25.2	38.0	34.7	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0	
1934	39.4	44.0	144.0	26.9	43.7	36.9	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5	
1935	41.1	46.8	146.3	28.4	46.6	38.0	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4	
1936	44.2	51.2	154.3	35.7	50.5	40.3	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7	
1937	47.1	55.5	165.6	34.7	55.5	42.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7	
1938	44.4	48.9	145.4	32.9	48.5	41.8	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2	
1939	46.5	52.8	139.3	35.8	52.9	43.1	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6	
1940	49.2	56.7	150.9	40.3	56.5	45.0	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9	
1941	55.5	68.5	156.1	55.8	67.8	48.4	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3	
1942	60.9	79.3	161.8	67.6	78.6	50.9	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7	
1943	64.5	86.4	150.9	48.8	90.5	52.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6	
1944	63.6	83.0	145.5	34.1	89.1	53.0	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9	
1945	61.3	75.2	136.4	35.3	79.8	53.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1	
1946	63.3	74.0	140.6	51.8	75.6	57.4	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5	
1947	66.6	79.4	155.8	61.8	79.9	59.6	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3	
1948	68.2	80.6	162.2	67.6	80.1	61.4	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6	
1949	66.5	75.4	151.7	67.5	74.3	61.6	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5	
1950	68.7	79.4	147.0	72.7	78.4	62.8	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2	
1951	72.7	85.6	151.5	81.1	84.3	65.6	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1	
1952	74.1	86.7	146.5	82.1	85.5	67.3	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3	
1953	76.3	90.4	141.3	81.8	90.2	68.6	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0	
1954	74.4	84.7	129.0	81.4	83.9	68.8	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6	
1955	76.9	88.0	129.2	87.3	86.8	70.9	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5	
1956	79.6	90.5	134.1	93.5	88.7	73.6	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4	
1957	80.3	89.9	135.1	91.1	88.3	75.1	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2	
1958	78.0	83.7	122.5	86.6	82.0	74.9	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1	
1959	81.0	87.5	119.4	92.3	85.7	77.4	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4	
1960	82.4	87.6	116.2	89.9	86.4	79.5	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1	
1961	82.1	85.2	109.6	87.8	84.0	80.4	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8	
1962	84.4	87.7	106.0	90.5	86.7	82.6	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5	
1963	86.1	88.5	103.6	92.4	87.4	84.8	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1	
1964	88.6	90.1	103.4	95.1	88.8	87.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5	
1965	92.3	94.0	103.1	99.3	92.9	91.4	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7	
1966	97.1	99.3	102.3	102.1	98.8	95.9	97.4	97.3	97.5	97.3	96.1	94.6	94.7	94.3	94.8	
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1968	103.1	101.7	98.9	102.4	101.7	103.9	101.1	103.5	102.4	103.9	104.9	105.2	103.9	100.7	105.0	
1969	106.7	104.1	101.0	107.1	103.7	108.2	103.9	107.6	105.9	108.2	110.5	111.2	107.1	101.4	108.8	
1970	107.2	100.3	101.5	104.3	99.6	111.0	105.7	109.7	108.5	110.1	114.4	115.2	110.0	99.5	113.3	
1970:																
Oct.	106.4	97.0	101.3	102.4	96.0	111.5	106.0	109.8	108.7	110.2	114.9	116.1	110.7	97.8	114.7	
Nov.	106.3	96.4	101.8	102.7	95.2	111.6	105.7	109.5	108.6	109.9	115.4	116.3	111.2	98.0	115.3	
Dec.	106.8	97.6	101.6	102.9	96.7	111.7	104.4	109.9	108.7	110.3	115.7	116.6	111.3	97.9	115.5	
1971:																
Jan.	107.0	97.3	102.0	102.0	96.4	112.3	105.8	110.5	109.0	111.1	116.2	116.8	111.6	97.9	115.9	
Feb.	106.9	96.7	101.5	99.7	96.1	112.4	106.2	110.7	109.1	111.2	116.2	116.9	111.8	97.9	116.2	
Mar.	107.0	96.7	101.5	101.7	95.7	112.7	106.1	110.8	109.3	111.3	116.5	117.2	112.2	97.9	116.7	
Apr.	107.2	96.9	101.6	102.3	95.8	112.8	105.7	111.0	109.3	111.6	116.9	117.3	112.6	98.1	117.1	
May.	107.5	97.1	101.5	102.1	96.2	113.1	106.0	111.3	109.7	111.9	117.5	117.4	112.8	98.1	117.4	
June.	107.3	96.6	101.0	101.5	95.7	113.1	105.6	111.2	108.9	112.1	118.0	117.8	112.6	97.1	117.5	
July.	107.1	96.1	97.4	100.6	95.3	113.0	105.0	111.4	108.8	112.3	118.0	118.0	112.4	97.2	117.2	
Aug.	107.1	95.8	99.3	100.3	94.9	113.3	103.9	111.9	109.0	112.9	118.0	118.3	112.7	97.5	117.4	
Sept.	107.7	96.6	100.2	101.1	95.7	113.7	104.6	112.2	109.5	113.1	118.4	118.7	113.2	98.3	117.9	
Oct.	107.7	96.3	85.0	101.6	95.8	113.9	104.0	112.2	110.2	113.0	118.6	119.0	113.6	98.5	118.3	

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
SEASONALLY ADJUSTED EMPLOYMENT

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

Industry division and group	(In thousands)												
	1971										1970		
	Oct. P	Sept. P	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
TOTAL	70,901	70,907	70,529	70,531	70,657	70,769	70,599	70,480	70,391	70,454	70,313	69,985	70,082
GOODS-PRODUCING	22,411	22,477	22,285	22,358	22,482	22,599	22,544	22,495	22,504	22,643	22,721	22,435	22,574
MINING	521	614	609	597	619	622	623	622	622	625	623	624	621
CONTRACT CONSTRUCTION	3,259	3,244	3,219	3,228	3,255	3,275	3,282	3,264	3,198	3,271	3,302	3,294	3,284
MANUFACTURING	18,631	18,619	18,457	18,533	18,608	18,702	18,639	18,609	18,684	18,747	18,796	18,517	18,669
DURABLE GOODS	10,622	10,598	10,485	10,552	10,598	10,651	10,598	10,571	10,642	10,697	10,738	10,449	10,598
Ordnance and accessories	189	190	191	191	193	196	194	195	200	208	212	217	222
Lumber and wood products	593	590	583	579	574	570	567	566	565	563	560	564	565
Furniture and fixtures	470	465	456	461	458	457	452	450	449	449	450	452	454
Stone, clay, and glass products	635	633	627	625	629	633	628	622	624	626	627	626	631
Primary metal industries	1,193	1,182	1,156	1,226	1,259	1,272	1,270	1,264	1,260	1,262	1,260	1,253	1,284
Fabricated metal products	1,338	1,344	1,331	1,335	1,333	1,339	1,333	1,298	1,328	1,328	1,333	1,304	1,326
Machinery, except electrical	1,796	1,791	1,775	1,770	1,769	1,783	1,784	1,796	1,810	1,829	1,854	1,870	1,892
Electrical equipment	1,788	1,791	1,772	1,773	1,783	1,793	1,789	1,787	1,792	1,800	1,816	1,811	1,856
Transportation equipment	1,774	1,765	1,754	1,751	1,759	1,768	1,745	1,753	1,771	1,782	1,773	1,497	1,506
Instruments and related products	435	435	430	431	430	429	426	429	432	437	438	442	447
Miscellaneous manufacturing	411	412	410	410	411	411	410	411	411	413	415	413	415
NONDURABLE GOODS	8,009	8,021	7,972	7,981	8,010	8,051	8,041	8,038	8,042	8,050	8,058	8,068	8,071
Food and kindred products	1,747	1,763	1,748	1,762	1,751	1,758	1,753	1,760	1,764	1,765	1,763	1,766	1,759
Tobacco manufactures	69	72	70	69	77	78	79	77	79	79	79	80	79
Textile mill products	961	959	959	959	956	963	958	958	959	962	961	960	963
Apparel and other textile products	1,362	1,358	1,351	1,349	1,357	1,373	1,374	1,368	1,359	1,356	1,360	1,358	1,355
Paper and allied products	689	692	681	676	682	681	690	689	691	693	695	697	696
Printing and publishing	1,084	1,082	1,080	1,083	1,088	1,091	1,088	1,092	1,096	1,099	1,099	1,101	1,103
Chemicals and allied products	1,005	1,007	1,004	1,008	1,016	1,024	1,021	1,021	1,026	1,020	1,033	1,037	1,043
Petroleum and coal products	189	190	188	188	189	190	190	191	192	192	191	190	189
Rubber and plastics products, nec	595	592	582	584	583	582	577	574	567	564	566	567	569
Leather and leather products	308	306	309	303	311	311	311	308	309	310	311	312	315
SERVICE-PRODUCING	48,490	48,430	48,244	48,173	48,175	48,170	48,055	47,985	47,887	47,811	47,592	47,550	47,508
TRANSPORTATION AND PUBLIC UTILITIES	4,431	4,456	4,428	4,476	4,500	4,518	4,505	4,520	4,526	4,507	4,450	4,506	4,517
WHOLESALE AND RETAIL TRADE	15,271	15,266	15,223	15,158	15,135	15,148	15,107	15,074	15,059	15,039	14,952	14,902	14,946
WHOLESALE TRADE	3,883	3,861	3,844	3,835	3,837	3,866	3,854	3,852	3,845	3,841	3,832	3,827	3,833
RETAIL TRADE	11,388	11,405	11,379	11,323	11,298	11,282	11,253	11,222	11,214	11,198	11,120	11,075	11,113
FINANCE, INSURANCE, AND REAL ESTATE	3,826	3,819	3,804	3,806	3,807	3,788	3,769	3,758	3,749	3,746	3,731	3,721	3,706
SERVICES	12,018	11,986	11,946	11,921	11,895	11,858	11,843	11,841	11,809	11,800	11,776	11,750	11,722
Hotels and other lodging places	-	801	760	755	775	768	768	766	766	770	768	756	759
Personal services	-	938	935	933	943	954	950	960	962	970	971	978	982
Medical and other health services	-	3,284	3,260	3,241	3,231	3,222	3,198	3,186	3,169	3,157	3,140	3,126	3,112
Educational services	-	1,166	1,139	1,142	1,155	1,167	1,168	1,168	1,153	1,147	1,151	1,147	1,147
GOVERNMENT	12,944	12,903	12,843	12,812	12,838	12,858	12,831	12,792	12,744	12,719	12,683	12,671	12,617
FEDERAL	2,677	2,674	2,650	2,643	2,640	2,667	2,667	2,662	2,662	2,661	2,661	2,664	2,659
STATE AND LOCAL	10,267	10,229	10,193	10,169	10,198	10,191	10,164	10,130	10,082	10,058	10,022	10,007	9,958

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT
**B-6: Production or nonsupervisory workers¹ on private nonagricultural payrolls,
 seasonally adjusted**

Industry division and group	(In thousands)												
	1971											1970	
	Oct. P	Sept. P	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
TOTAL	47,876	47,941	47,640	47,669	47,764	47,859	47,711	47,595	47,551	47,636	47,531	47,234	47,370
GOODS-PRODUCING	16,597	16,682	16,502	16,565	16,667	16,766	16,706	16,626	16,614	16,747	16,798	16,493	16,608
MINING	376	464	460	447	468	472	472	471	471	474	473	473	472
CONTRACT CONSTRUCTION	2,706	2,693	2,671	2,678	2,703	2,725	2,732	2,707	2,636	2,722	2,748	2,741	2,730
MANUFACTURING	13,515	13,525	13,371	13,440	13,496	13,569	13,502	13,448	13,507	13,551	13,577	13,279	13,406
DURABLE GOODS	7,649	7,636	7,534	7,594	7,627	7,667	7,612	7,569	7,625	7,665	7,686	7,384	7,510
Ordnance and accessories	92	93	94	93	95	98	97	99	102	108	111	114	118
Lumber and wood products	512	508	503	500	495	491	488	487	486	483	480	485	486
Furniture and fixtures	387	383	375	380	378	375	372	370	369	370	370	373	373
Stone, clay, and glass products	505	502	497	496	499	502	498	492	494	496	497	496	501
Primary metal industries	938	925	901	965	996	1,012	1,008	1,002	997	997	992	984	1,015
Fabricated metal products	1,018	1,025	1,016	1,016	1,013	1,020	1,014	980	1,006	1,007	1,011	981	999
Machinery, except electrical	1,178	1,174	1,159	1,156	1,152	1,159	1,163	1,172	1,183	1,198	1,217	1,229	1,245
Electrical equipment	1,186	1,188	1,167	1,169	1,179	1,184	1,177	1,173	1,177	1,183	1,192	1,183	1,223
Transportation equipment	1,253	1,257	1,248	1,244	1,246	1,253	1,225	1,225	1,237	1,245	1,236	961	965
Instruments and related products	261	261	256	257	256	255	253	253	256	260	261	263	266
Miscellaneous manufacturing	319	320	318	318	318	318	317	316	318	318	319	315	319
NONDURABLE GOODS	5,866	5,889	5,837	5,846	5,869	5,902	5,890	5,879	5,882	5,886	5,891	5,895	5,896
Food and kindred products	1,165	1,193	1,179	1,188	1,178	1,184	1,181	1,184	1,186	1,187	1,187	1,186	1,179
Tobacco manufactures	56	58	56	56	64	65	66	64	66	65	66	67	66
Textile mill products	844	842	841	841	838	845	840	839	841	845	842	841	844
Apparel and other textile products	1,192	1,188	1,180	1,179	1,188	1,204	1,202	1,197	1,189	1,187	1,192	1,189	1,185
Paper and allied products	528	531	520	515	520	519	527	526	529	531	532	535	534
Printing and publishing	663	660	658	661	667	667	666	668	671	672	675	674	676
Chemicals and allied products	580	582	577	582	585	588	584	583	586	588	588	592	597
Petroleum and coal products	116	116	115	115	115	116	116	116	118	116	116	115	114
Rubber and plastics products, nec	459	458	447	450	449	448	443	440	433	431	430	430	432
Leather and leather products	263	261	264	259	265	266	265	262	263	264	263	266	269
SERVICE-PRODUCING	31,279	31,259	31,138	31,104	31,097	31,093	31,005	30,969	30,937	30,889	30,733	30,741	30,762
TRANSPORTATION AND PUBLIC UTILITIES	3,837	3,861	3,836	3,864	3,897	3,914	3,904	3,916	3,920	3,904	3,844	3,901	3,916
WHOLESALE AND RETAIL TRADE	13,559	13,540	13,507	13,457	13,433	13,458	13,411	13,385	13,360	13,341	13,272	13,243	13,284
WHOLESALE TRADE	3,244	3,219	3,211	3,197	3,201	3,232	3,221	3,222	3,212	3,213	3,214	3,210	3,217
RETAIL TRADE	10,315	10,321	10,296	10,260	10,232	10,226	10,190	10,163	10,148	10,128	10,058	10,033	10,067
FINANCE, INSURANCE, AND REAL ESTATE	3,007	3,001	2,985	2,992	3,000	2,983	2,966	2,954	2,950	2,946	2,938	2,933	2,925
SERVICES	10,876	10,857	10,810	10,791	10,767	10,738	10,724	10,714	10,707	10,698	10,679	10,664	10,637

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970
1	ALABAMA	1,016.3	1,011.1	1,004.2	8.2	8.1	8.4	57.1	57.9	45.9	317.7	317.6	325.5
2	Birmingham	263.5	263.8	254.2	5.5	5.4	5.7	17.4	17.5	7.3	71.9	71.8	72.1
3	Huntsville	77.2	77.4	77.8	(1)	(1)	(1)	2.6	2.7	2.6	12.8	12.7	13.7
4	Mobile	102.7	100.8	105.1	(1)	(1)	(1)	6.6	6.7	6.8	23.0	21.4	24.7
5	Montgomery	70.6	70.1	69.6	(1)	(1)	(1)	5.2	5.2	5.2	10.3	10.3	10.5
6	Tuscaloosa	39.2	38.2	38.3	(1)	(1)	(1)	2.5	2.4	2.8	10.9	10.9	10.5
7	ALASKA	102.1	104.1	99.4	2.6	2.6	2.9	8.8	8.6	9.5	8.3	10.4	8.9
8	ARIZONA	561.1	554.7	540.2	21.7	19.0	20.9	42.9	42.6	37.0	86.9	85.7	88.1
9	Phoenix	332.3	328.2	322.0	.2	.2	.2	24.2	24.1	19.9	66.4	65.9	68.4
10	Tucson	112.4	110.1	105.2	7.1	5.6	6.6	10.7	10.7	9.7	9.3	9.2	9.1
11	ARKANSAS	545.2	545.9	538.0	4.6	4.7	4.6	28.6	29.1	28.3	168.8	169.7	167.9
12	Fayetteville	27.9	27.1	27.5	(1)	(1)	(1)	1.3	1.4	1.5	7.8	7.7	7.6
13	Fort Smith	47.2	46.6	46.6	.5	.6	.6	2.3	2.2	3.1	17.2	17.3	16.4
14	Little Rock-North Little Rock	124.3	123.5	121.7	(1)	(1)	(1)	7.6	7.5	7.1	27.1	27.0	27.1
15	Pine Bluff	23.9	23.4	24.0	(1)	(1)	(1)	.8	.8	.9	5.6	5.6	5.7
16	CALIFORNIA	7,045.7	6,998.7	7,062.4	29.5	29.7	31.7	299.1	292.9	308.8	1,507.7	1,489.2	1,593.3
17	Anaheim-Santa Ana-Garden Grove ²	416.9	416.7	416.9	2.1	2.1	1.8	20.8	20.9	21.6	114.4	114.2	119.7
18	Bakersfield	91.8	92.5	90.1	6.4	6.5	6.3	3.7	3.8	3.8	8.1	8.1	7.7
19	Fresno	125.5	123.2	123.2	.7	.7	.8	5.9	5.8	5.4	21.0	20.4	20.3
20	Los Angeles-Long Beach	2,855.3	2,845.4	2,894.7	10.7	10.8	11.1	103.5	104.7	112.2	750.5	743.2	803.3
21	Modesto	65.4	62.7	63.9	.1	.1	.1	3.7	3.8	3.4	23.8	21.8	22.6
22	Oxnard-Ventura ²	94.9	93.7	93.3	1.7	1.7	1.8	4.6	4.5	4.1	13.4	12.5	14.0
23	Sacramento	273.9	268.6	270.7	.1	.1	.1	13.9	11.9	12.9	25.8	25.3	26.6
24	Salinas-Monterey	66.1	66.0	65.3	.5	.5	.5	2.4	2.4	2.6	8.0	7.9	7.8
25	San Bernardino-Riverside-Ontario ²	294.8	292.6	290.4	2.5	2.6	2.4	13.4	13.8	14.1	52.3	51.6	52.9
26	San Diego ²	399.5	397.7	387.1	.5	.5	.5	22.2	22.5	20.4	61.5	61.7	66.3
27	San Francisco-Oakland	1,267.1	1,249.0	1,275.4	1.9	1.9	1.9	61.7	57.7	62.1	200.5	196.5	207.2
28	San Jose	393.3	390.6	390.7	.1	.1	.2	17.4	17.1	18.2	130.9	129.9	133.0
29	Santa Barbara ²	80.9	79.8	79.2	.9	.9	1.1	3.5	3.4	3.6	9.0	9.3	9.9
30	Santa Rosa	53.1	52.9	52.7	.3	.3	.3	2.3	2.3	2.5	7.6	7.9	7.7
31	Stockton	94.5	92.1	93.3	.1	.1	.1	4.7	4.6	3.8	22.2	20.8	20.7
32	Vallejo-Napa	68.3	68.2	69.2	.2	.2	.2	2.6	2.7	2.5	7.6	7.6	7.9
33	COLORADO	771.9	766.8	750.6	13.5	13.4	14.2	44.2	44.5	43.0	118.8	118.7	118.6
34	Denver	498.9	496.7	485.5	5.0	4.9	4.9	31.0	31.4	30.5	86.8	86.6	85.5
35	CONNECTICUT	1,176.5	1,163.3	1,205.5	(3)	(3)	(3)	56.7	57.9	61.3	405.0	397.7	439.1
36	Bridgeport	144.9	144.7	151.5	(3)	(3)	(3)	6.3	6.4	6.7	61.6	61.4	69.2
37	Hartford	319.7	315.8	325.6	(3)	(3)	(3)	16.7	16.8	17.1	86.6	85.1	98.6
38	New Britain	43.6	42.2	45.8	(3)	(3)	(3)	2.0	2.1	2.0	21.7	21.1	23.8
39	New Haven	158.6	156.7	158.2	(3)	(3)	(3)	9.6	9.8	9.0	39.3	38.5	41.7
40	Stamford	82.7	83.1	84.3	(3)	(3)	(3)	4.0	4.2	4.2	26.6	26.5	29.0
41	Waterbury	77.6	76.7	78.2	(3)	(3)	(3)	4.4	4.4	4.4	34.3	34.2	35.9
42	DELAWARE	212.0	208.5	212.8	(1)	(1)	(1)	13.0	12.5	12.4	70.8	69.0	72.4
43	Wilmington	189.2	185.7	189.3	(1)	(1)	(1)	11.6	11.3	11.6	67.6	65.3	69.1
44	DISTRICT OF COLUMBIA ⁴	687.7	706.4	680.6	(1)	(1)	(1)	20.6	20.7	20.9	17.7	17.9	18.4
45	Washington SMSA	1,185.9	1,203.9	1,158.5	(1)	(1)	(1)	72.1	73.8	71.6	43.6	44.1	42.9
46	FLORIDA	2,162.3	2,128.9	2,126.7	8.1	8.1	8.6	167.4	171.0	169.2	312.1	309.9	314.6
47	Fort Lauderdale-Hollywood	169.3	168.2	168.7	(1)	(1)	(1)	21.2	21.2	21.5	18.6	18.4	20.1
48	Jacksonville	193.1	190.6	192.7	(1)	(1)	(1)	12.4	12.2	11.9	25.1	24.8	25.2
49	Miami	507.9	503.3	501.0	(1)	(1)	(1)	32.5	32.9	32.7	77.5	77.0	76.4
50	Orlando	152.8	149.4	138.3	(1)	(1)	(1)	18.5	18.8	15.4	20.7	20.8	19.4
51	Pensacola	68.9	67.6	67.9	(1)	(1)	(1)	5.0	5.0	5.3	14.5	14.5	14.5
52	Tampa-St. Petersburg	317.7	312.8	305.5	(1)	(1)	(1)	27.9	27.7	24.6	54.4	53.6	53.6
53	West Palm Beach	(*)	104.2	105.2	(*)	(1)	(1)	(*)	8.7	9.9	(*)	19.3	20.4
54	GEORGIA	1,560.2	1,554.9	1,543.6	7.1	7.1	6.9	82.0	83.2	72.7	455.1	453.0	462.7
55	Atlanta	617.2	615.3	609.2	(1)	(1)	(1)	33.1	35.0	26.8	113.0	110.4	121.5
56	Augusta	89.7	88.5	86.8	(1)	(1)	(1)	6.1	6.1	4.7	29.7	29.7	29.5
57	Columbus	69.7	71.8	70.0	(1)	(1)	(1)	3.6	3.8	4.0	18.6	18.7	18.7
58	Macon	78.1	78.5	76.8	(1)	(1)	(1)	3.8	4.0	4.6	14.1	14.1	12.8
59	Savannah	66.6	66.5	65.7	(1)	(1)	(1)	4.3	4.5	4.7	15.3	15.5	15.3
60	HAWAII	294.1	304.8	291.7	(1)	(1)	(1)	20.9	21.4	24.7	23.0	28.7	23.7
61	Honolulu	249.6	259.1	248.5	(1)	(1)	(1)	18.1	18.6	21.7	16.3	21.2	17.3

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			
Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	
56.6	57.0	55.8	191.9	190.5	189.6	42.6	42.8	41.7	131.5	132.1	131.2	210.7	205.1	206.1	1
19.3	19.3	19.2	61.3	61.2	60.2	17.5	17.6	16.9	37.1	37.2	37.2	33.5	33.8	35.6	2
1.7	1.7	1.7	11.6	11.6	11.4	2.1	2.1	2.0	16.5	16.7	17.4	29.9	29.9	29.0	3
9.9	10.4	10.0	25.7	25.6	25.6	5.0	5.0	5.1	15.7	16.4	16.0	16.8	15.3	16.9	4
4.1	4.1	4.2	16.0	15.9	15.8	4.7	4.7	4.2	11.0	10.9	10.9	19.3	19.0	18.8	5
1.6	1.6	1.6	6.5	6.4	6.3	1.3	1.3	1.2	3.8	4.0	3.6	12.6	11.6	12.3	6
10.1	10.4	9.7	16.5	16.4	16.1	3.5	3.4	3.3	13.4	13.5	12.0	38.9	38.8	37.0	7
31.0	31.1	30.5	130.0	128.8	126.7	32.1	32.0	30.2	91.5	91.8	89.1	125.0	123.7	117.7	8
18.2	18.4	18.2	82.1	81.1	80.7	24.4	24.2	22.5	55.6	54.6	54.0	61.2	59.7	58.1	9
6.0	5.9	5.9	24.6	24.1	23.6	5.0	5.0	4.7	19.6	19.2	18.9	30.1	30.4	26.7	10
33.1	33.1	32.7	109.6	109.2	106.8	22.1	22.5	21.6	76.7	76.8	74.6	101.7	100.8	101.5	11
2.5	2.5	2.3	5.7	5.5	5.2	.6	.6	.6	3.5	3.5	3.4	6.5	5.9	6.9	12
2.8	2.8	2.8	9.7	9.7	9.5	1.5	1.5	1.4	7.1	7.1	6.8	6.1	5.4	6.0	13
9.5	9.5	9.5	27.6	27.5	26.7	8.8	8.8	8.5	19.0	19.1	18.7	24.7	24.1	24.1	14
3.3	3.3	3.2	4.7	4.7	4.6	.9	.9	.9	3.2	3.3	3.3	5.4	4.8	5.4	15
459.8	460.2	473.6	1,588.3	1,579.2	1,566.8	398.6	399.9	386.3	1,322.1	1,336.4	1,301.2	1,440.6	1,411.2	1,400.7	16
14.5	14.5	14.5	100.9	100.4	98.5	23.0	23.1	22.9	73.4	74.9	74.9	67.8	66.6	63.0	17
6.3	6.3	6.5	22.0	22.2	21.4	3.7	3.7	3.8	15.1	15.2	14.5	26.5	26.7	26.1	18
8.3	8.4	8.4	34.3	34.7	33.3	5.7	5.7	5.3	21.7	21.7	22.5	27.9	25.8	27.2	19
173.1	173.4	179.2	651.3	649.0	649.0	176.7	177.7	173.4	564.4	572.6	554.4	425.1	414.0	412.1	20
2.8	2.7	2.7	13.1	12.8	12.7	1.4	1.4	1.6	10.2	10.2	10.3	10.3	9.9	10.5	21
4.1	4.1	4.0	22.9	22.9	22.4	3.8	3.8	3.6	15.3	15.2	15.0	29.1	29.0	28.4	22
18.3	18.1	18.0	56.2	55.0	55.3	11.8	11.8	10.6	40.0	39.9	39.2	107.8	106.5	108.0	23
4.5	4.5	4.4	17.5	17.4	17.5	2.4	2.4	2.3	13.3	13.4	13.1	17.5	17.5	17.1	24
17.4	17.3	17.5	67.0	66.8	65.0	10.7	10.7	10.1	55.8	55.6	54.4	75.7	74.2	74.0	25
21.2	21.2	21.0	90.9	90.6	87.1	21.0	20.9	18.8	79.8	79.6	76.8	102.4	100.7	96.2	26
128.7	128.4	137.1	271.9	269.9	272.1	100.8	101.3	97.9	231.5	228.9	229.0	270.1	264.4	268.1	27
18.5	18.3	17.8	75.6	74.7	72.5	14.0	14.1	13.5	76.9	77.8	75.9	59.9	58.6	59.6	28
3.4	3.4	3.4	18.9	18.8	18.3	3.3	3.3	3.2	20.5	20.6	19.9	21.4	20.1	19.8	29
2.8	2.8	2.8	13.4	13.5	13.1	3.3	3.3	3.2	9.8	9.8	9.6	13.6	13.0	13.5	30
6.6	6.3	6.9	20.0	19.7	20.0	3.0	3.0	3.1	14.5	14.4	14.5	23.4	23.2	24.2	31
3.7	3.7	3.7	12.5	12.6	12.7	1.8	1.8	1.8	10.7	10.7	10.6	29.2	28.9	29.8	32
54.4	54.3	53.4	182.1	182.2	177.4	41.2	41.1	40.5	134.5	136.8	130.6	183.2	175.8	172.9	33
37.9	37.9	37.1	123.6	123.2	119.8	30.2	30.0	30.1	89.0	89.9	88.5	95.4	92.8	89.1	34
55.1	51.0	56.4	229.8	227.8	227.5	77.7	78.3	75.9	192.0	193.8	187.5	160.2	156.8	157.8	35
6.6	6.5	6.4	28.5	28.5	28.4	5.0	5.0	4.8	21.7	21.8	21.4	15.2	15.1	14.5	36
13.0	12.6	12.6	64.0	62.4	62.1	45.8	45.7	44.1	48.7	48.4	47.0	45.0	44.7	44.0	37
1.4	1.2	1.4	7.1	6.9	7.1	1.3	1.3	1.2	5.2	5.2	5.2	5.0	4.4	5.1	38
14.6	14.5	14.3	32.6	32.4	32.2	8.5	8.7	8.4	34.4	34.4	33.9	19.6	18.4	18.7	39
3.7	3.6	3.5	17.3	17.3	17.0	4.9	5.0	4.8	18.0	18.4	17.8	8.2	8.2	8.1	40
3.4	2.9	3.3	13.2	13.0	13.1	2.4	2.4	2.3	10.8	10.8	10.6	9.2	9.0	8.8	41
11.1	10.8	11.2	42.6	42.7	45.7	9.7	9.8	9.5	31.6	30.9	29.9	33.2	32.8	31.7	42
9.9	9.7	9.9	36.8	36.8	37.8	8.6	8.7	8.5	27.2	26.1	25.9	27.5	27.8	26.5	43
29.5	29.6	30.5	79.9	80.1	81.1	33.2	33.5	33.8	137.7	151.7	134.2	369.1	372.9	361.7	44
60.2	60.9	61.3	232.4	232.9	227.4	69.7	71.0	68.9	256.8	272.2	251.3	451.1	449.0	435.1	45
160.3	160.1	157.6	567.2	565.5	551.6	136.5	136.5	132.7	397.4	394.7	388.8	413.3	383.1	403.6	46
10.1	10.4	9.4	48.3	48.6	48.9	11.6	11.6	11.2	32.5	32.8	31.8	27.0	25.2	25.8	47
20.9	21.0	20.8	52.1	52.1	52.5	18.9	19.1	18.6	30.1	29.9	30.0	33.6	31.5	33.7	48
56.5	56.3	57.7	134.3	134.3	132.7	34.2	34.1	32.6	113.1	114.9	112.4	59.8	53.8	56.5	49
9.1	9.1	8.7	40.5	40.2	37.5	10.2	10.2	9.7	29.8	27.7	24.9	24.0	22.6	22.7	50
3.8	3.7	3.7	15.0	14.8	14.1	2.7	2.7	2.6	9.4	9.1	9.5	18.5	17.8	18.2	51
22.9	23.0	22.2	90.1	90.4	86.1	18.7	18.8	18.2	58.2	57.3	57.0	45.5	42.0	43.8	52
(*)	5.2	5.1	(*)	27.0	26.8	(*)	6.8	6.7	(*)	21.3	20.2	(*)	15.9	16.1	53
108.5	108.5	107.9	332.9	331.6	329.3	78.8	79.0	78.4	189.5	190.3	188.1	306.3	302.2	297.6	54
60.8	60.1	59.9	172.4	170.9	166.6	46.1	46.4	44.6	95.0	94.9	93.5	96.8	97.6	96.3	55
3.8	3.8	3.8	15.8	15.7	15.1	3.1	3.1	3.1	10.3	10.3	10.3	20.9	19.8	20.3	56
3.4	3.5	3.4	13.8	14.0	13.4	4.3	4.3	4.0	9.6	9.6	9.4	16.4	17.9	17.1	57
3.4	3.4	3.6	15.4	15.3	14.6	4.4	4.4	4.2	9.1	9.2	9.4	27.9	28.1	27.6	58
7.5	7.3	6.8	14.7	14.7	14.9	3.4	3.5	3.3	9.5	9.5	9.6	11.9	11.5	11.1	59
23.8	23.8	24.2	70.0	70.8	69.2	19.2	19.2	18.2	60.9	61.1	57.9	76.3	79.8	73.8	60
20.2	20.2	20.5	59.5	60.1	59.4	17.5	17.5	16.6	51.6	51.7	48.8	66.4	69.8	64.2	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970
1	IDAHO ²	221.3	219.5	216.4	3.6	3.5	3.7	12.9	12.7	12.8	41.7	40.8	41.4
2	Boise ²	46.0	45.8	43.8	(1)	(1)	(1)	2.9	2.9	2.8	5.3	5.3	5.2
3	ILLINOIS	4,301.6	4,313.2	4,369.8	23.3	23.5	23.5	186.8	191.2	198.6	1,276.6	1,276.3	1,355.4
4	Chicago ⁵	2,960.7	2,978.8	2,992.8	4.4	4.4	4.7	118.1	121.0	124.0	884.7	880.8	939.8
5	Chicago-Northwestern Indiana	(*)	3,181.8	3,218.6	(*)	4.5	4.8	(*)	133.1	136.8	(*)	970.7	1,049.0
6	Davenport-Rock Island-Moline	131.0	130.4	133.6	(3)	(3)	(3)	7.2	7.3	7.2	41.1	40.5	43.0
7	Peoria	134.3	132.2	132.6	(3)	(3)	(3)	9.3	9.3	8.7	48.9	47.9	49.0
8	Rockford	105.5	105.9	109.4	(3)	(3)	(3)	4.4	4.5	4.5	49.2	49.8	53.3
9	INDIANA	1,847.8	1,821.3	1,873.4	7.5	7.5	7.2	78.7	79.1	83.8	701.9	684.7	729.3
10	Evansville	89.8	90.1	89.9	1.4	1.4	1.5	4.4	4.4	4.4	33.7	33.1	34.1
11	Fort Wayne	119.9	119.2	121.1	(1)	(1)	(1)	5.0	5.3	5.4	42.8	42.7	44.8
12	Gary-Hammond-East Chicago ⁵	209.8	206.0	225.8	(1)	(1)	(1)	11.9	12.0	12.8	93.2	89.7	109.2
13	Indianapolis	416.3	412.1	421.7	(1)	(1)	(1)	18.0	18.1	19.0	124.0	123.3	128.5
14	Muncie	46.4	45.4	47.5	(1)	(1)	(1)	1.8	1.8	2.0	17.2	17.2	18.8
15	South Bend	92.6	93.3	95.0	(1)	(1)	(1)	3.8	3.9	4.1	30.7	31.1	32.6
16	Terre Haute	56.2	54.9	56.6	1.2	1.2	1.1	3.0	3.0	3.4	15.4	15.5	15.7
17	IOWA	888.5	875.8	885.9	3.1	3.2	3.1	45.7	47.2	46.9	207.7	203.5	213.0
18	Cedar Rapids	65.1	64.2	65.4	(1)	(1)	(1)	4.1	4.1	3.3	23.0	22.7	24.5
19	Des Moines	129.0	128.2	128.7	(1)	(1)	(1)	6.9	6.7	6.3	24.6	24.7	24.0
20	Dubuque	34.9	31.9	33.1	(1)	(1)	(1)	1.9	1.9	1.7	14.2	12.1	12.8
21	Sioux City	41.7	41.5	42.3	(1)	(1)	(1)	2.3	2.3	1.9	9.4	9.7	10.6
22	Waterloo	48.8	47.5	48.9	(1)	(1)	(1)	2.4	2.5	2.3	17.2	16.4	17.7
23	KANSAS	675.3	668.8	676.7	10.6	10.8	10.6	31.7	32.2	31.2	127.5	127.3	131.4
24	Topeka	62.6	62.5	62.8	.1	.1	.1	3.1	3.0	3.1	9.5	9.9	9.6
25	Wichita	133.1	132.6	135.5	2.1	2.2	2.4	6.9	6.9	5.9	35.2	34.7	36.6
26	KENTUCKY	950.5	937.2	931.3	30.3	30.2	29.7	60.4	59.6	53.4	249.5	246.8	254.2
27	Lexington	80.1	80.0	80.8	(1)	(1)	(1)	4.4	4.5	5.0	16.9	16.8	17.9
28	Louisville	333.1	329.4	333.9	(1)	(1)	(1)	19.2	18.0	16.7	107.6	105.6	115.0
29	LOUISIANA	1,056.2	1,049.1	1,053.6	50.6	50.8	50.7	74.4	74.6	75.8	174.5	174.6	176.9
30	Baton Rouge	105.6	104.9	103.1	.5	.5	.5	12.1	12.1	11.8	18.0	18.1	18.3
31	Lake Charles	41.7	40.5	41.1	1.4	1.5	1.4	4.5	4.6	5.2	9.3	9.4	9.0
32	Monroe	38.3	37.8	37.2	.4	.4	.4	3.4	3.3	2.9	6.5	6.5	6.2
33	New Orleans	376.7	374.1	374.3	13.2	13.5	13.4	23.6	24.0	23.6	53.1	53.6	53.5
34	Shreveport	93.7	92.8	92.3	3.5	3.6	3.8	5.5	5.5	5.9	16.7	16.7	16.3
35	MAINE	329.0	335.5	334.4	(1)	(1)	(1)	17.1	18.1	17.6	102.6	104.4	109.2
36	Lewiston-Auburn	28.1	28.0	29.0	(1)	(1)	(1)	1.6	1.7	1.6	12.0	12.1	13.2
37	Portland	65.3	66.2	66.1	(1)	(1)	(1)	3.6	4.0	3.8	13.2	13.5	13.7
38	MARYLAND ⁴	1,332.9	1,313.2	1,317.9	1.9	1.9	2.1	97.7	98.6	95.6	253.0	245.7	273.3
39	Baltimore	812.6	796.6	811.8	.3	.3	.3	48.4	48.5	47.3	179.3	169.9	195.5
40	MASSACHUSETTS ⁶	2,260.2	2,247.5	2,281.9	(1)	(1)	(1)	109.1	111.4	108.6	601.5	599.6	641.6
41	Boston	1,284.3	1,279.2	1,293.9	(1)	(1)	(1)	58.3	59.8	60.0	258.2	254.8	273.0
42	Brockton	52.0	51.9	52.6	-	-	-	2.0	2.3	2.3	15.0	14.9	16.2
43	Fall River	46.0	46.3	46.9	(1)	(1)	(1)	(1)	(1)	(1)	20.2	20.3	20.8
44	Lawrence-Haverhill	81.1	82.1	82.9	(1)	(1)	(1)	2.5	2.6	2.7	36.4	36.9	38.5
45	Lowell	52.6	52.0	53.8	(1)	(1)	(1)	3.0	3.0	3.0	19.3	19.2	20.8
46	New Bedford	56.3	56.4	56.8	(1)	(1)	(1)	1.9	1.9	1.9	24.9	24.9	26.2
47	Springfield-Chicopee-Holyoke	189.2	188.5	193.5	(1)	(1)	(1)	8.8	8.7	8.7	60.9	61.1	65.7
48	Worcester	127.7	127.5	130.4	(1)	(1)	(1)	6.0	6.2	6.3	40.2	40.7	44.9
49	MICHIGAN	3,003.7	2,913.6	3,032.0	10.1	8.2	12.8	116.1	115.7	109.6	1,071.6	1,020.7	1,114.6
50	Ann Arbor	104.9	102.4	107.0	(1)	(1)	(1)	2.2	2.3	2.8	38.2	37.4	37.0
51	Battle Creek	61.9	61.7	61.9	(1)	(1)	(1)	1.9	1.9	1.8	25.1	25.3	25.8
52	Bay City	31.2	30.0	32.2	(1)	(1)	(1)	1.8	1.6	1.5	10.9	10.5	12.3
53	Detroit	1,496.6	1,463.1	1,520.1	.8	.8	.9	61.4	60.3	55.8	542.8	524.6	573.7
54	Flint	162.5	156.0	168.7	(1)	(1)	(1)	3.4	3.7	5.0	78.6	74.2	79.8
55	Grand Rapids	193.3	189.1	194.7	(1)	(1)	(1)	8.6	8.8	9.1	71.5	67.9	75.1
56	Jackson	45.8	45.0	46.3	(1)	(1)	(1)	1.7	1.8	1.8	16.5	16.4	17.3
57	Kalamazoo	75.5	71.9	73.4	(1)	(1)	(1)	3.5	3.5	3.0	26.8	26.3	28.3
58	Lansing	128.9	120.8	125.3	(1)	(1)	(1)	7.7	7.4	6.3	38.1	32.2	35.3
59	Muskegon-Muskegon Heights	49.5	48.8	51.7	(1)	(1)	(1)	1.5	1.5	1.7	21.9	21.4	24.8
60	Saginaw	76.8	73.5	74.0	(1)	(1)	(1)	4.0	3.9	3.2	33.6	31.0	32.6

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			
Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	
14.6	14.5	14.7	52.3	51.7	51.1	8.5	8.6	8.1	35.1	35.8	33.5	52.6	51.9	51.1	1
3.4	3.4	3.4	12.2	12.1	11.8	3.2	3.2	2.9	7.2	7.4	6.7	11.8	11.5	11.0	2
286.0	286.0	294.2	935.1	931.7	940.5	239.3	242.1	235.7	707.3	715.0	687.8	647.2	647.5	634.2	3
207.2	208.7	212.7	666.6	663.1	667.1	186.9	189.0	184.5	521.0	526.1	505.0	371.8	385.9	355.0	4
(*)	224.0	227.0	(*)	699.7	704.4	(*)	195.3	190.7	(*)	548.0	528.4	(*)	406.6	377.5	5
7.3	7.4	7.4	29.2	29.3	29.6	5.3	5.3	5.2	19.1	18.5	18.7	22.0	22.1	22.6	6
7.1	7.2	7.3	28.4	28.1	28.0	5.4	5.4	5.4	19.6	19.4	18.7	15.6	15.0	15.5	7
3.3	3.3	3.5	20.8	20.9	20.8	3.1	3.2	3.2	14.5	14.6	14.5	10.4	9.8	9.5	8
98.4	98.5	101.1	370.7	367.4	370.1	75.5	76.1	76.0	222.6	222.8	220.4	292.5	285.3	285.5	9
5.3	5.3	5.4	19.4	19.4	19.3	3.2	3.2	3.2	13.5	14.6	13.5	8.9	8.7	8.5	10
8.7	8.6	8.4	28.2	27.6	27.8	6.8	6.8	6.7	15.6	16.2	15.7	12.8	12.0	12.3	11
14.4	14.4	14.3	36.0	36.0	37.3	6.2	6.3	6.2	23.4	23.0	23.5	24.7	24.6	22.5	12
28.4	28.6	29.1	94.1	93.2	94.8	28.7	29.0	29.3	55.0	54.3	54.5	68.1	65.6	66.5	13
2.3	2.3	2.4	9.5	9.4	9.3	1.4	1.4	1.5	5.4	5.3	5.2	8.8	8.0	8.3	14
4.8	4.8	5.0	21.2	21.0	21.0	5.0	5.1	5.0	16.2	16.4	16.6	10.9	11.0	10.7	15
4.2	4.2	4.2	13.1	13.0	13.3	1.8	1.8	1.8	6.6	6.5	6.4	10.9	9.7	10.7	16
50.7	51.2	51.0	214.6	212.7	210.6	41.9	42.7	41.3	149.0	147.8	146.6	175.8	167.6	173.3	17
3.3	3.3	3.2	13.5	13.5	13.8	3.1	3.1	3.0	10.2	9.8	10.2	7.8	7.7	7.4	18
9.4	9.6	9.6	31.1	31.3	32.1	15.5	15.6	15.1	22.5	21.9	22.6	19.0	18.3	18.9	19
1.6	1.7	1.7	7.0	7.1	6.7	1.0	1.0	.9	6.4	5.6	6.4	2.9	2.7	2.8	20
3.1	3.1	3.2	11.7	11.7	11.7	2.1	2.1	2.1	7.6	7.2	7.4	5.5	5.5	5.5	21
2.3	2.3	2.4	11.0	10.9	10.6	1.4	1.4	1.5	7.2	7.1	7.4	7.3	6.9	7.1	22
52.0	52.5	53.4	161.0	160.6	160.3	30.9	31.2	30.4	105.1	105.6	104.9	156.5	148.6	154.5	23
6.6	6.4	7.2	13.2	13.0	13.0	4.1	4.1	4.1	10.3	10.3	10.2	15.9	15.9	15.6	24
7.5	7.6	8.0	30.5	30.6	31.4	6.7	6.7	6.8	24.5	24.7	24.9	19.8	19.4	19.8	25
60.0	59.7	59.5	185.9	186.0	182.6	36.2	36.4	35.0	142.6	142.0	138.6	185.6	176.5	178.3	26
4.4	4.4	4.3	15.8	15.9	15.7	3.7	3.7	3.5	13.4	13.6	13.1	21.5	21.1	21.3	27
23.3	23.4	23.3	72.4	72.6	70.6	17.4	17.4	17.2	49.7	49.5	47.7	43.5	42.9	43.2	28
93.7	93.6	92.8	229.0	228.6	229.5	50.8	50.8	49.5	159.4	160.5	160.9	223.8	215.6	217.5	29
5.3	5.3	5.3	21.9	21.6	21.3	6.0	6.0	5.5	14.5	14.4	14.3	27.3	26.9	26.1	30
3.3	3.0	2.9	8.6	8.6	8.4	1.4	1.5	1.4	6.0	6.0	5.9	7.2	5.9	6.9	31
2.2	2.2	2.3	9.8	9.9	9.6	2.4	2.4	2.3	5.6	5.5	5.5	8.0	7.6	8.0	32
45.8	46.0	46.2	90.7	90.5	89.9	23.1	22.9	22.9	68.2	66.0	67.7	59.0	57.6	57.0	33
9.2	9.3	9.2	23.0	23.1	22.7	4.5	4.5	4.4	15.4	15.1	14.5	15.9	15.0	15.5	34
17.9	17.9	17.7	66.9	68.0	67.0	12.5	12.9	12.5	44.4	46.6	44.2	67.6	67.6	66.2	35
1.0	1.0	.9	6.1	6.1	6.1	.9	.9	.9	4.3	4.2	4.3	2.2	2.0	2.0	36
5.7	5.7	5.2	17.4	17.6	18.2	5.5	5.7	5.5	11.5	11.6	11.9	8.4	8.1	7.8	37
83.1	82.4	82.2	322.0	320.2	308.1	71.9	72.6	69.9	250.9	250.9	241.7	252.4	240.9	245.0	38
58.5	57.7	58.1	182.5	180.9	177.7	44.6	45.0	43.9	141.6	141.0	137.3	157.4	153.3	151.7	39
120.4	119.4	119.0	496.6	492.9	497.8	128.4	129.8	128.7	475.0	469.5	467.2	329.2	324.9	319.0	40
75.7	76.2	75.7	298.6	294.2	298.3	93.8	94.7	95.3	321.8	317.4	315.7	177.9	182.1	175.9	41
4.0	4.0	4.0	13.0	13.0	12.8	1.5	1.5	1.5	7.7	7.5	7.3	8.8	8.7	8.5	42
2.0	2.1	2.0	10.0	9.9	10.0	(1)	(1)	(1)	9.2	9.2	9.2	4.6	4.8	4.9	43
2.7	2.7	2.7	14.9	14.9	15.0	2.4	2.4	2.4	11.0	11.2	10.7	11.2	11.4	10.9	44
2.3	2.3	2.4	11.3	11.1	11.3	1.5	1.5	1.5	8.4	8.1	8.0	6.8	6.8	6.8	45
3.4	3.4	3.2	11.1	11.1	10.8	(1)	(1)	(1)	9.8	10.0	9.6	5.2	5.1	5.1	46
9.0	8.8	9.0	39.1	38.6	40.2	9.5	9.6	9.5	35.9	35.5	35.2	26.0	26.2	25.2	47
7.1	7.0	7.0	26.8	26.6	26.2	7.0	7.0	7.1	23.7	23.1	22.7	16.9	16.9	16.2	48
150.6	151.2	153.6	599.1	595.5	596.4	121.3	122.0	118.9	427.6	424.7	431.7	507.4	475.7	494.6	49
2.4	2.4	2.5	12.9	12.7	13.2	2.6	2.6	2.5	10.7	10.6	11.1	36.0	34.4	37.9	50
2.7	2.5	2.7	9.7	9.7	9.5	3.5	3.5	3.5	8.0	8.0	7.8	11.0	10.9	10.8	51
1.8	1.4	1.8	7.2	7.1	7.3	.8	.9	.8	3.9	3.9	3.8	4.7	4.7	4.6	52
83.8	84.6	83.1	300.5	297.8	302.8	69.7	70.1	68.7	225.3	223.5	225.9	212.3	201.3	209.3	53
5.6	5.4	5.1	32.4	31.8	34.7	4.2	4.3	4.2	17.5	17.1	16.7	20.8	19.6	23.2	54
10.1	9.8	10.5	46.2	45.8	44.4	7.2	7.2	7.3	27.0	26.9	26.5	22.7	22.7	21.6	55
4.3	3.7	4.3	8.5	8.5	8.4	1.5	1.5	1.5	5.4	5.3	5.2	8.1	8.0	8.0	56
2.8	2.5	2.6	15.3	15.0	13.8	2.4	2.4	2.3	9.3	9.3	9.1	15.5	13.0	14.3	57
3.4	3.1	3.4	21.7	21.7	22.0	5.8	5.7	5.7	15.5	14.0	14.7	36.7	36.7	37.9	58
2.8	2.6	2.7	8.8	8.8	8.5	1.3	1.3	1.3	6.5	6.6	6.3	6.6	6.5	6.4	59
3.4	3.0	3.7	14.5	14.5	14.1	2.8	2.8	2.5	9.1	9.1	9.0	9.5	9.2	8.9	60

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970
1	MINNESOTA	1,323.3	1,309.2	1,326.5	15.4	15.6	15.2	73.2	73.0	77.3	313.0	308.9	326.5
2	Duluth-Superior	55.4	54.6	57.0	(1)	(1)	(1)	2.7	2.8	3.2	8.5	7.4	9.9
3	Minneapolis-St. Paul	785.5	777.1	790.1	(1)	(1)	(1)	41.0	40.1	43.5	196.4	195.6	205.8
4	MISSISSIPPI	590.4	587.1	584.0	6.5	6.6	6.5	34.4	35.4	36.9	184.7	188.2	182.8
5	Jackson	95.5	93.3	92.9	.7	.7	.7	5.7	5.9	5.6	14.0	14.0	13.7
6	MISSOURI	1,626.7	1,607.1	1,656.2	8.1	8.0	8.9	71.7	74.2	76.3	422.2	417.8	446.3
7	Kansas City	521.4	517.7	507.2	.5	.5	.6	29.1	29.1	18.2	119.5	117.9	127.2
8	St. Joseph	31.9	31.6	32.5	(3)	(3)	(3)	1.8	1.8	2.0	9.2	9.3	10.0
9	St. Louis	888.7	884.4	902.3	2.2	2.2	2.3	39.8	41.2	43.3	260.9	259.4	275.9
10	Springfield	57.4	56.3	57.2	.1	.1	.1	2.9	2.4	2.8	15.9	15.9	16.0
11	MONTANA	206.7	208.4	208.8	4.0	3.9	7.2	13.0	13.4	13.5	22.6	22.6	24.2
12	Billings	30.1	30.1	29.3	(1)	(1)	(1)	1.7	1.8	1.8	3.4	3.4	3.2
13	Great Falls	24.4	24.4	25.5	(1)	(1)	(1)	2.0	2.0	2.4	1.5	1.5	3.0
14	NEBRASKA	494.6	484.2	489.0	1.8	1.9	1.7	25.0	25.8	26.5	82.5	82.9	84.8
15	Lincoln	74.6	71.7	72.2	(3)	(3)	(3)	4.5	4.6	3.6	11.1	10.9	10.5
16	Omaha	213.6	210.2	210.8	(3)	(3)	(3)	11.3	10.6	11.9	36.8	36.7	38.9
17	NEVADA ²	213.7	215.0	206.2	3.8	3.8	4.1	12.9	13.0	12.7	8.1	8.5	8.4
18	Las Vegas ²	113.8	114.9	110.2	.1	.1	.1	7.1	7.2	7.7	3.6	4.0	4.2
19	Reno ²	62.9	62.1	59.2	.3	.3	.3	3.8	3.8	3.8	3.1	3.1	2.9
20	NEW HAMPSHIRE	261.7	270.1	261.8	.4	.4	.4	12.5	13.1	13.8	85.4	85.5	89.8
21	Manchester	49.9	49.5	49.5	(1)	(1)	(1)	2.5	2.5	2.7	16.8	16.7	16.3
22	NEW JERSEY	2,602.7	2,608.6	2,619.2	3.3	3.5	3.4	126.7	128.2	127.6	824.6	820.8	867.8
23	Atlantic City	67.4	73.0	66.5	-	-	-	3.6	3.5	3.5	10.0	10.6	9.9
24	Camden	261.4	259.8	255.7	.1	.1	.1	14.7	14.9	14.7	71.8	72.0	75.2
25	Jersey City	252.1	251.1	259.0	-	-	-	7.1	7.1	7.3	102.1	101.4	108.0
26	Long Branch	122.2	123.9	120.1	.1	.1	.1	5.9	6.0	6.2	21.2	21.3	21.3
27	Newark	781.8	782.3	792.5	.8	.8	.7	35.0	36.0	34.3	232.2	230.9	248.0
28	Paterson-Clifton-Passaic	506.8	505.4	507.9	.3	.3	.3	24.4	24.3	23.2	179.8	180.2	189.2
29	Perth Amboy	280.3	276.3	279.6	.9	.9	.9	13.3	13.5	14.0	110.5	108.4	115.6
30	Trenton	130.3	131.3	132.2	(1)	(1)	(1)	4.1	4.1	4.1	36.1	37.1	40.3
31	NEW MEXICO	299.0	299.8	290.6	16.0	16.3	16.8	18.6	18.9	16.0	21.5	21.6	21.5
32	Albuquerque	114.3	113.0	108.4	(1)	(1)	(1)	8.4	8.5	7.5	9.6	9.6	9.2
33	NEW YORK	7,012.7	7,065.5	7,165.4	7.9	8.5	8.4	290.1	293.8	292.3	1,663.6	1,655.1	1,768.5
34	Albany-Schenectady-Troy	277.1	276.5	280.4	(1)	(1)	(1)	15.1	15.3	15.6	59.7	58.5	61.4
35	Binghamton	101.3	100.1	104.8	(1)	(1)	(1)	4.3	4.4	5.2	38.9	39.5	42.1
36	Buffalo	474.4	470.8	503.7	(1)	(1)	(1)	20.1	20.1	21.9	148.9	146.8	172.3
37	Elmira	37.2	36.6	38.9	(1)	(1)	(1)	1.8	1.8	2.2	14.2	14.2	15.7
38	Monroe County	300.5	301.3	307.8	(1)	(1)	(1)	16.0	16.0	13.9	122.6	124.3	131.4
39	Nassau and Suffolk Counties	728.8	727.6	729.6	(1)	(1)	(1)	42.4	43.4	40.1	138.4	138.7	150.8
40	New York-Northeastern New Jersey	(*)	6,598.0	6,677.0	(*)	4.6	4.5	(*)	266.0	256.3	(*)	1,577.2	1,674.4
41	New York SMSA ¹⁰	4,751.3	4,780.3	4,838.8	2.6	2.6	2.6	183.4	185.2	177.5	961.4	955.9	1,013.5
42	New York City	3,648.0	3,677.3	3,736.5	1.9	1.9	1.9	113.6	114.1	112.6	736.7	731.5	772.2
43	Rochester	342.9	342.8	350.3	(1)	(1)	(1)	17.4	17.5	15.4	137.0	139.0	145.5
44	Rockland County	65.5	66.0	64.0	(1)	(1)	(1)	4.2	4.5	4.0	14.8	14.7	15.2
45	Syracuse	224.0	223.3	224.8	(1)	(1)	(1)	11.3	11.2	10.9	60.3	60.0	61.3
46	Utica-Rome	110.9	110.6	115.3	(1)	(1)	(1)	5.2	5.3	4.7	36.9	35.9	40.6
47	Westchester County	309.0	309.5	308.7	(1)	(1)	(1)	23.1	23.2	20.8	71.4	70.9	75.3
48	NORTH CAROLINA	1,796.1	1,770.4	1,785.6	3.6	3.7	3.9	93.9	96.5	95.4	716.2	709.6	723.5
49	Asheville	-	-	-	(1)	(1)	(1)	-	-	-	19.2	19.2	19.5
50	Charlotte	181.6	180.3	181.9	(1)	(1)	(1)	11.6	11.8	12.4	41.9	42.0	42.9
51	Greensboro-Winston-Salem	264.4	262.7	264.7	(1)	(1)	(1)	14.5	14.8	14.6	110.6	110.8	113.4
52	High Point	-	-	-	(1)	(1)	(1)	-	-	-	14.1	13.9	14.0
53	Raleigh	-	-	-	(1)	(1)	(1)	-	-	-	-	-	-
54	NORTH DAKOTA	173.2	169.3	167.1	1.9	1.9	1.7	16.3	16.7	12.6	9.8	9.5	9.8
54	Fargo-Moorhead	44.0	42.8	41.8	.1	.1	.1	4.1	4.0	3.4	3.3	3.1	2.9
55	OHIO	3,849.0	3,815.8	3,934.4	22.5	22.5	21.6	165.4	167.0	176.3	1,329.3	1,312.7	1,437.1
56	Akron	241.9	240.4	246.3	.3	.3	.3	8.8	9.0	9.0	91.6	91.6	98.4
57	Canton	134.9	135.0	138.2	.4	.4	.4	5.4	5.5	5.7	56.8	56.9	61.2
58	Cincinnati	510.3	504.4	517.6	.4	.4	.4	21.6	21.4	22.0	160.6	157.3	174.7

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	
91.6	90.5	87.4	314.9	312.0	313.3	65.1	65.2	64.4	214.7	212.7	215.4	235.4	231.3	227.0	1
7.5	7.6	7.7	13.3	13.3	13.1	1.9	1.9	1.9	11.2	11.1	11.2	10.3	10.6	10.1	2
58.8	58.4	55.3	186.9	185.3	189.5	47.9	48.0	47.9	142.5	140.7	144.0	112.0	108.9	104.1	3
29.9	30.0	30.1	109.1	108.7	106.3	21.4	21.5	21.2	67.6	69.5	67.2	136.7	127.4	133.0	4
6.0	6.0	6.0	22.8	22.6	22.3	7.2	7.2	7.1	17.1	15.6	16.5	21.9	21.3	20.9	5
122.7	121.7	128.5	367.7	366.9	374.8	90.1	91.1	88.6	264.6	261.2	260.1	279.6	266.2	272.7	6
49.5	49.4	51.7	129.2	129.4	124.0	33.4	33.8	32.6	85.4	86.1	81.3	74.8	71.5	71.6	7
2.0	2.0	2.0	7.8	7.7	7.7	1.4	1.5	1.3	5.0	5.0	4.8	4.7	4.3	4.7	8
66.1	65.5	68.3	196.0	195.6	193.2	47.0	47.7	47.0	153.5	151.7	152.0	123.2	121.1	120.3	9
4.7	4.7	4.4	14.3	14.0	14.8	2.2	2.3	2.1	9.5	9.2	9.4	7.8	7.7	7.6	10
17.5	17.7	17.7	51.5	51.9	50.1	8.4	8.4	8.2	34.5	35.5	34.8	55.2	55.0	53.1	11
2.7	2.6	2.6	9.6	9.5	9.3	1.5	1.5	1.5	6.0	6.1	5.9	5.2	5.2	5.0	12
2.1	2.1	2.1	6.8	6.8	6.4	1.6	1.5	1.5	4.8	4.9	5.0	5.6	5.6	5.1	13
35.9	36.5	37.2	126.6	124.2	121.4	30.0	30.3	29.3	85.2	82.8	84.2	107.7	99.8	103.9	14
5.0	5.1	5.1	15.5	14.8	14.6	5.6	5.7	5.4	11.9	11.1	12.0	21.1	19.5	21.0	15
20.2	20.3	20.5	56.2	55.3	53.6	17.1	17.3	16.8	39.1	38.6	38.5	32.9	31.4	30.6	16
14.5	14.5	14.1	41.2	41.2	40.2	8.7	8.8	8.4	86.0	87.9	81.6	38.5	37.3	36.7	17
7.7	7.7	7.5	22.0	21.9	20.8	4.5	4.5	4.2	52.3	53.0	49.8	16.5	16.5	15.9	18
4.9	4.9	4.8	13.6	13.6	13.2	3.3	3.3	3.2	23.1	23.4	21.0	10.8	9.7	10.0	19
12.1	11.9	11.7	52.5	53.0	51.2	11.8	11.8	11.4	47.7	57.0	45.8	39.3	37.4	37.7	20
3.5	3.6	3.5	11.3	11.2	11.6	3.3	3.3	3.3	8.1	8.1	8.1	4.4	4.1	4.0	21
178.8	178.8	182.8	550.6	552.9	534.5	122.1	124.0	118.7	424.6	431.3	420.1	372.0	369.1	364.3	22
3.8	3.8	3.5	18.8	21.6	18.6	2.9	2.9	2.9	17.2	18.7	17.1	11.1	11.9	11.0	23
13.0	13.4	13.2	64.1	63.2	59.1	9.9	10.2	9.3	39.1	39.1	38.0	48.7	46.9	46.1	24
34.3	33.9	35.4	40.7	40.0	39.0	8.1	8.3	8.5	30.6	30.3	30.8	29.2	30.1	30.0	25
6.3	6.3	6.2	30.0	31.1	27.9	4.3	4.3	4.2	27.5	28.2	27.3	26.9	26.6	26.9	26
62.6	62.8	64.1	151.6	150.8	150.7	56.9	57.6	55.7	136.8	138.2	136.4	105.9	105.2	102.6	27
26.0	25.6	27.3	124.6	123.2	120.7	20.0	20.3	19.1	78.6	78.4	77.1	53.1	53.1	51.0	28
14.8	14.5	15.3	57.8	56.0	54.1	6.4	6.4	6.1	32.3	32.6	31.0	44.3	44.0	42.6	29
6.6	6.5	6.6	20.1	20.0	20.2	5.3	5.3	5.2	29.0	28.9	27.9	29.1	29.4	27.9	30
20.8	20.3	20.4	63.5	63.6	61.8	13.0	13.0	12.4	54.3	55.6	53.8	91.3	90.5	87.9	31
7.3	7.1	6.9	27.5	27.4	26.9	6.9	6.9	6.6	26.0	25.7	25.3	28.6	27.8	26.0	32
463.0	459.9	504.7	1,440.3	1,436.1	1,447.1	600.3	607.3	600.6	1,367.6	1,381.8	1,365.9	1,179.9	1,223.0	1,177.7	33
14.7	15.0	16.2	56.3	57.3	55.3	11.2	11.5	11.1	48.6	49.7	47.3	71.5	69.1	73.6	34
4.4	4.3	4.7	17.8	17.7	18.1	3.3	3.3	3.2	12.4	12.2	12.1	20.2	18.7	19.4	35
28.6	28.8	32.8	101.2	100.7	102.1	19.6	19.8	19.5	78.1	77.9	76.5	77.8	76.6	78.6	36
1.4	1.4	1.6	7.7	7.6	7.7	.9	1.0	1.0	5.7	5.6	5.7	5.5	4.9	5.1	37
10.9	10.9	11.2	54.2	53.2	53.9	11.5	11.7	11.5	52.1	52.4	50.7	33.4	32.7	35.3	38
31.9	29.5	34.2	199.3	199.0	192.5	34.8	35.1	33.8	143.0	145.9	136.2	138.9	135.9	142.1	39
(*)	483.2	524.5	(*)	1,359.4	1,371.6	(*)	608.9	601.5	(*)	1,277.5	1,270.7	(*)	1,021.2	973.5	40
352.8	345.6	382.4	998.0	988.9	1,007.0	510.7	516.4	512.1	997.3	997.5	996.3	745.1	788.3	747.5	41
300.2	296.1	325.0	714.9	707.6	732.4	459.7	464.7	462.1	776.1	770.6	784.8	544.8	590.6	545.5	42
12.5	12.6	12.8	62.1	60.7	61.5	12.2	12.4	12.3	57.3	57.4	55.3	44.5	43.3	47.5	43
3.2	3.2	3.3	13.6	13.6	12.7	2.1	2.1	2.0	10.5	10.9	10.4	17.1	16.9	16.5	44
13.6	14.1	14.4	50.6	50.2	49.3	12.8	13.1	12.6	37.7	37.0	37.2	37.7	37.8	39.1	45
4.7	4.7	5.5	19.3	19.6	19.8	4.8	4.8	4.7	15.1	15.3	14.9	24.9	25.0	25.1	46
17.5	16.8	19.9	70.2	68.6	69.5	14.1	14.4	14.2	68.4	70.7	65.6	44.3	44.8	43.4	47
96.1	95.5	93.3	320.7	320.2	319.9	70.7	71.1	70.2	217.5	218.0	209.9	277.4	255.8	269.5	48
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
19.2	19.0	18.9	46.5	46.5	46.9	13.7	13.7	13.2	27.4	27.2	26.3	21.3	20.1	21.3	50
17.0	16.8	16.3	47.7	47.6	47.8	13.1	13.1	12.7	32.3	32.4	30.9	29.2	27.2	29.0	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
12.0	12.1	12.4	45.2	45.4	44.7	7.2	7.3	7.0	29.4	28.9	29.3	51.2	47.6	49.7	53
3.2	3.1	3.2	12.8	12.8	12.7	2.5	2.5	2.4	7.9	7.8	7.9	10.1	9.4	9.3	54
233.5	232.6	231.4	786.4	781.1	779.4	165.1	166.2	160.0	597.5	590.8	581.2	549.3	543.1	547.4	55
14.9	14.8	15.1	48.8	48.4	48.7	7.5	7.6	7.2	37.5	37.2	35.4	32.4	31.5	32.2	56
7.0	7.1	7.3	26.1	26.0	25.9	5.1	5.1	4.9	21.4	21.1	20.3	12.8	13.0	12.6	57
38.1	37.8	37.3	108.9	108.1	107.7	27.4	27.7	26.7	83.5	82.6	80.1	69.9	69.0	68.7	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970
1	OHIO—Continued												
2	Cleveland	850.5	837.4	868.6	1.5	1.5	1.5	36.4	36.8	37.5	272.9	267.2	299.3
3	Columbus	376.1	374.6	380.8	.8	.8	.8	18.0	18.2	19.5	83.3	83.0	91.8
4	Dayton	321.2	316.3	328.5	.5	.5	.5	12.3	12.5	13.0	112.5	109.4	123.7
5	Toledo	243.9	240.3	247.3	.3	.3	.4	9.4	9.2	10.0	80.2	78.9	85.0
6	Youngstown—Warren	196.7	194.6	204.6	.3	.3	.3	7.9	8.0	9.3	83.2	82.2	92.1
7	OKLAHOMA	776.0	776.1	773.3	37.1	37.4	38.6	39.7	40.9	39.8	131.9	133.0	136.9
8	Oklahoma City	264.3	263.2	260.1	6.7	6.8	7.0	14.7	15.2	14.4	37.3	37.2	38.8
9	Tulsa	176.1	177.8	178.3	13.4	13.5	13.3	8.0	8.3	8.7	38.6	39.5	41.9
10	OREGON	755.9	749.2	729.5	1.6	1.7	1.4	35.3	33.8	31.6	189.0	192.2	182.2
11	Eugene ²	72.9	71.7	71.5	(1)	(1)	(1)	3.5	3.4	3.6	20.7	21.0	19.3
12	Portland	395.2	393.1	384.9	(1)	(1)	(1)	19.9	19.4	18.7	88.8	89.3	86.5
13	Salem	60.1	61.2	61.1	(1)	(1)	(1)	2.5	2.5	2.7	14.8	16.7	15.5
14	PENNSYLVANIA	4,291.2	4,261.4	4,362.0	41.3	41.3	40.5	212.9	213.8	216.3	1,420.8	1,421.4	1,513.9
15	Allentown—Bethlehem—Easton	213.4	211.5	216.9	.6	.6	.5	7.8	8.1	8.6	99.1	98.0	104.2
16	Altoona	47.4	47.9	48.6	(1)	(1)	(1)	2.2	2.4	2.5	14.9	15.0	15.5
17	Delaware Valley ¹¹	1,508.3	1,499.1	1,527.1	1.4	1.5	1.5	84.9	83.9	80.8	443.3	440.0	463.2
18	Erie	99.1	98.0	99.6	(1)	(1)	(1)	4.5	4.5	4.3	42.7	42.6	45.1
19	Harrisburg	177.4	177.5	176.3	(1)	(1)	(1)	9.4	9.5	8.7	39.0	39.0	40.3
20	Johnstown	75.6	74.4	78.9	5.6	5.5	5.2	3.5	3.4	3.0	21.7	20.3	25.2
21	Lancaster	122.6	123.0	122.4	(1)	(1)	(1)	6.9	7.2	6.7	52.7	53.1	55.6
22	Philadelphia SMSA	1,769.8	1,758.8	1,782.9	1.6	1.6	1.6	99.5	98.8	95.5	515.0	512.0	538.6
23	Philadelphia City ¹²	892.2	890.0	909.6	-	-	-	36.7	36.1	35.5	226.4	223.8	237.4
24	Pittsburgh	869.0	860.7	885.1	10.1	10.1	9.1	50.0	49.4	47.5	258.2	259.0	279.8
25	Reading	124.2	123.4	124.4	(1)	(1)	(1)	4.7	4.6	4.9	54.8	55.4	57.2
26	Scranton	86.0	86.2	85.1	.4	.4	.4	3.0	3.0	2.9	32.9	33.2	33.1
27	Wilkes-Barre—Hazleton	123.3	124.3	125.0	1.7	1.8	2.0	6.2	6.3	6.7	52.5	53.4	53.8
28	York	135.4	133.6	137.4	(1)	(1)	(1)	9.7	9.7	11.2	59.8	59.7	62.3
29	RHODE ISLAND	338.1	337.9	341.8	(1)	(1)	(1)	14.9	15.4	15.6	114.8	114.7	119.0
30	Providence—Pawtucket—Warwick	351.5	351.1	354.9	(1)	(1)	(1)	15.2	15.7	15.9	132.3	132.0	136.7
31	SOUTH CAROLINA	856.9	852.6	841.5	1.7	1.7	1.7	53.5	55.8	51.3	335.3	336.2	338.1
32	Charleston	87.8	87.1	88.0	(1)	(1)	(1)	5.8	5.6	5.6	13.2	13.4	15.1
33	Columbia	113.7	113.1	111.3	(1)	(1)	(1)	8.4	8.6	7.5	19.5	19.7	20.3
34	Greenville	121.3	119.7	122.5	(1)	(1)	(1)	8.9	9.0	9.1	53.2	53.2	54.3
35	SOUTH DAKOTA	182.1	181.7	176.3	2.2	2.3	2.2	8.6	9.1	8.1	16.5	16.5	15.6
36	Sioux Falls	(*)	35.6	34.7	(*)	(1)	(1)	(*)	2.1	1.9	(*)	6.3	5.8
37	TENNESSEE	1,365.8	1,358.2	1,337.0	7.2	7.2	7.1	74.5	74.8	66.0	465.9	464.5	469.6
38	Chattanooga	133.2	132.6	129.6	.3	.3	.3	6.1	6.4	5.6	52.8	52.9	52.6
39	Knoxville	144.2	143.6	147.9	1.9	1.9	1.9	7.5	7.3	7.7	45.8	45.3	48.3
40	Memphis	282.5	283.9	278.4	.3	.3	.3	18.1	18.4	15.5	58.4	58.2	60.5
41	Nashville	222.7	222.0	223.7	(1)	(1)	(1)	13.9	13.9	13.8	57.9	57.7	61.1
42	TEXAS	3,658.6	3,641.5	3,644.0	103.2	105.0	104.4	207.7	209.6	224.9	706.2	703.2	733.2
43	Amarillo	-	-	-	(1)	(1)	(1)	-	-	-	7.4	7.5	7.3
44	Austin	118.9	117.2	112.1	(1)	(1)	(1)	8.9	9.0	8.3	11.9	12.0	11.8
45	Beaumont—Port Arthur—Orange	108.4	105.8	108.0	(1)	(1)	(1)	7.7	6.5	8.9	37.4	37.2	36.0
46	Corpus Christi	-	-	-	-	-	-	-	-	-	11.0	11.2	11.4
47	Dallas	657.1	654.0	658.3	7.8	7.9	7.8	37.0	36.8	39.5	139.8	140.4	149.2
48	El Paso	107.1	104.3	105.7	-	-	-	5.4	5.1	5.7	25.5	24.8	23.8
49	Fort Worth	255.4	250.6	268.6	1.1	1.2	1.7	12.6	12.3	11.3	72.0	70.0	87.1
50	Galveston—Texas City	-	-	-	-	-	-	-	-	-	11.4	11.4	11.7
51	Houston	797.8	791.3	774.2	28.9	29.7	29.2	69.4	70.2	69.0	145.8	144.8	147.4
52	Lubbock	-	-	-	-	-	-	-	-	-	7.5	7.4	7.1
53	San Antonio	260.8	263.0	259.7	1.2	1.2	1.4	12.6	12.8	12.2	33.6	33.5	33.8
54	Waco	-	-	-	-	-	-	-	-	-	11.9	11.6	12.6
55	Wichita Falls	-	-	-	-	-	-	-	-	-	4.9	4.9	4.5
56	UTAH	374.7	370.7	364.5	12.3	13.0	13.2	19.6	19.8	16.7	58.1	56.3	56.9
57	Salt Lake City	202.5	199.1	195.2	7.6	7.7	7.8	10.4	10.3	9.4	30.7	30.5	30.1
58	VERMONT	152.2	155.0	150.3	.9	.9	1.0	10.6	11.2	11.4	38.6	38.9	39.9
59	Burlington ¹³	38.8	38.9	39.3	-	-	-	-	-	-	9.3	9.5	10.5
60	Springfield ³	12.3	12.5	12.4	-	-	-	-	-	-	5.3	5.3	5.4

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	
53.8	53.4	53.1	186.5	184.2	184.5	44.1	44.4	42.8	147.3	144.1	141.4	108.0	105.8	108.5	1
21.9	21.8	21.6	81.4	81.0	79.9	25.9	26.1	25.7	69.2	68.1	65.8	75.6	75.6	75.7	2
13.0	13.1	12.9	63.3	62.4	61.4	10.6	10.6	10.0	51.5	50.5	49.7	57.5	57.3	57.2	3
17.8	17.8	17.9	53.4	53.1	53.4	8.5	8.5	8.1	41.3	40.4	39.7	32.9	32.1	32.8	4
10.2	10.1	10.4	39.0	38.9	38.5	6.1	6.1	5.9	29.6	29.0	28.0	20.5	19.9	20.1	5
51.2	52.3	52.5	171.6	171.4	167.0	37.1	37.6	36.8	119.2	120.2	118.0	188.2	183.3	183.7	6
17.2	17.3	17.2	59.6	59.4	57.9	15.9	16.0	15.6	40.0	40.2	38.6	72.9	71.1	70.6	7
15.0	15.1	15.3	41.4	41.3	40.2	9.5	9.5	9.4	31.8	32.0	30.8	18.4	18.6	18.7	8
47.6	47.8	49.2	171.9	171.2	166.5	37.3	37.3	36.2	123.4	122.7	116.9	149.8	142.5	145.5	9
4.3	4.3	4.3	15.1	15.0	14.9	3.1	3.0	3.0	10.3	19.8	10.3	15.9	15.2	16.1	10
29.0	29.0	30.8	96.0	95.9	94.1	25.5	25.6	24.8	71.8	71.9	68.4	64.2	62.0	61.6	11
2.1	2.1	2.0	11.4	11.2	11.4	3.2	3.2	3.1	7.9	7.5	8.1	18.2	18.0	18.3	12
263.2	258.2	269.5	829.8	822.2	829.5	194.3	196.6	192.4	703.0	700.5	695.3	625.9	607.4	604.6	13
12.6	12.7	12.4	34.9	34.3	35.4	7.4	7.6	7.1	29.8	29.2	28.7	21.2	21.0	20.0	14
7.2	7.3	7.5	8.5	8.7	8.6	1.3	1.3	1.2	7.2	7.1	7.1	6.1	6.1	6.2	15
89.1	88.6	92.4	298.5	292.4	303.8	90.9	92.0	93.0	280.4	279.4	279.0	219.8	221.3	213.4	16
5.6	5.7	5.5	17.3	17.4	17.4	3.5	3.6	3.4	14.1	13.8	13.3	11.4	10.4	10.6	17
14.1	13.9	14.2	35.8	35.8	34.4	9.4	9.5	9.0	26.2	26.4	26.6	43.5	43.4	43.1	18
4.9	4.8	4.9	13.3	13.2	13.6	2.2	2.2	2.1	12.2	12.7	12.2	12.2	12.3	12.7	19
5.6	5.5	5.4	24.6	24.6	24.1	3.1	3.1	2.9	19.2	19.4	17.7	10.5	10.1	10.0	20
102.1	102.0	105.6	362.7	355.6	362.9	100.8	102.1	102.2	319.5	318.5	317.0	268.6	268.2	259.5	21
64.1	64.2	66.1	174.6	172.2	179.5	71.6	72.4	71.7	168.7	165.6	168.1	149.8	155.7	151.3	22
56.8	57.1	60.1	179.5	179.5	178.1	38.4	38.9	38.3	160.7	159.4	162.7	115.3	107.3	109.5	23
6.6	6.6	6.7	20.8	20.7	20.4	4.8	4.8	4.7	17.3	17.4	17.0	15.2	13.9	13.5	24
4.9	4.8	5.0	17.2	17.3	16.9	2.6	2.6	2.6	15.1	15.0	14.4	9.9	9.9	9.8	25
6.7	6.6	6.9	21.2	21.2	20.9	4.4	4.4	4.3	15.3	15.4	15.3	15.3	15.2	15.1	26
5.9	5.8	6.1	25.8	25.7	25.0	3.3	3.3	3.1	16.4	16.0	15.9	14.5	13.4	13.8	27
16.1	16.0	16.2	69.8	68.8	68.6	15.8	15.8	15.9	55.7	55.7	55.0	51.0	51.5	51.5	28
15.9	15.8	15.7	70.6	69.6	69.2	15.8	15.8	15.8	54.6	54.6	54.1	47.1	47.6	47.5	29
38.4	38.7	37.4	150.8	150.7	144.3	31.4	32.0	29.8	90.5	91.2	90.4	155.3	146.3	148.5	30
6.0	6.1	5.7	18.5	18.6	17.4	3.6	3.6	3.6	10.4	10.3	10.4	30.3	29.5	30.2	31
7.3	7.3	7.1	23.2	23.2	23.0	7.6	7.6	7.1	15.8	15.8	15.3	31.9	30.9	31.0	32
4.5	4.6	4.5	22.1	21.9	21.8	4.9	5.0	4.9	14.2	14.2	14.3	13.5	11.8	13.6	33
10.6	10.5	10.3	45.9	46.5	46.4	7.6	7.7	7.6	34.1	34.2	32.9	56.6	54.9	53.2	34
(*)	3.1	3.1	(*)	10.8	10.5	(*)	2.0	2.0	(*)	6.5	6.8	(*)	4.8	4.6	35
68.4	68.9	67.4	264.5	263.8	258.9	59.9	60.0	58.2	189.0	187.5	184.1	236.4	231.5	225.7	36
6.4	6.4	6.6	24.1	24.3	24.6	7.5	7.5	7.1	17.4	17.3	16.5	18.6	17.5	16.3	37
6.3	6.3	6.7	29.7	29.8	30.5	5.2	5.1	5.1	17.8	17.9	18.6	30.0	30.0	29.1	38
19.7	20.0	20.1	71.7	71.6	69.1	15.9	15.9	15.3	46.4	46.6	46.1	52.0	52.9	51.5	39
13.6	13.7	14.0	48.8	48.9	48.3	15.2	15.3	14.7	37.3	37.1	36.9	36.0	35.4	34.9	40
254.6	255.8	255.6	905.7	905.8	881.4	200.4	202.1	193.7	604.7	606.7	593.0	676.1	653.3	657.8	41
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
3.8	3.9	3.8	25.6	25.3	22.8	6.3	6.3	5.7	16.1	16.2	15.6	46.3	44.5	44.1	43
8.9	9.2	8.7	21.6	21.6	21.7	4.0	4.0	3.8	15.5	15.5	15.7	13.3	11.8	13.2	44
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
52.8	52.9	52.8	177.0	176.9	175.6	57.9	58.1	54.6	106.8	106.3	104.8	78.0	74.7	74.0	46
8.6	8.7	8.6	25.0	24.8	25.9	4.4	4.5	4.4	15.0	14.7	14.9	23.2	21.7	22.4	47
15.3	15.6	15.6	62.3	62.2	62.9	12.7	12.7	12.6	42.8	42.4	41.5	36.6	34.2	35.9	48
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
65.0	65.4	64.1	193.1	194.3	188.9	44.2	44.9	41.8	152.4	152.8	142.6	99.0	89.2	91.2	50
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
11.8	11.8	11.3	62.7	63.7	63.6	17.5	17.7	16.5	45.4	45.7	44.6	76.0	76.6	76.3	52
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
23.9	24.0	23.8	84.8	83.8	81.9	16.1	16.0	15.4	60.7	61.1	57.8	99.3	96.8	98.6	55
15.9	16.0	16.0	53.7	53.5	51.7	12.2	12.2	11.6	34.8	35.1	32.9	37.3	33.7	35.6	56
8.5	8.6	8.2	30.3	30.5	28.9	6.0	6.0	5.7	29.9	32.8	28.8	27.5	26.2	26.6	57
2.1	2.2	2.1	8.3	8.0	7.9	-	-	-	7.4	7.6	7.4	-	-	-	58
.7	.7	.8	2.0	2.1	1.9	-	-	-	1.8	2.0	1.8	-	-	-	59

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970
1	VIRGINIA	1,516.0	1,502.0	1,475.4	16.9	16.9	15.6	103.6	105.5	99.7	366.2	361.9	366.8
2	Lynchburg	53.5	53.4	53.1	(1)	(1)	(1)	2.9	3.1	2.9	23.8	23.7	24.6
3	Newport News-Hampton	102.7	102.5	95.0	(1)	(1)	(1)	6.1	6.3	5.5	29.4	29.0	24.6
4	Norfolk-Portsmouth	205.3	204.1	201.6	(1)	(1)	(1)	14.9	15.0	14.6	19.2	19.3	20.7
5	Northern Virginia ¹⁴	279.3	277.7	272.9	.4	.4	.4	21.3	22.2	21.2	10.1	10.3	10.4
6	Richmond	242.9	241.1	239.9	.2	.2	.2	16.0	16.2	15.5	49.9	49.8	52.0
7	Roanoke	84.3	84.6	83.1	.1	.1	.1	5.0	5.1	5.4	19.2	19.4	19.5
8	WASHINGTON	1,066.0	1,046.6	1,090.1	1.7	1.7	1.9	56.4	55.1	57.9	218.4	216.7	237.0
9	Seattle-Everett	479.3	474.6	509.9	(1)	(1)	(1)	21.6	21.5	25.8	101.1	101.9	120.1
10	Spokane	90.3	88.5	92.6	(1)	(1)	(1)	5.6	5.7	6.1	11.9	12.1	12.5
11	Tacoma	104.8	103.4	107.2	(1)	(1)	(1)	5.0	4.9	5.4	19.6	19.1	20.2
12	WEST VIRGINIA	523.5	522.7	520.3	53.1	52.6	49.4	30.7	31.0	30.6	123.5	123.5	128.2
13	Charleston	85.2	84.7	84.8	4.2	4.2	3.9	6.0	6.0	5.5	15.7	15.7	16.8
14	Huntington-Ashland	83.1	83.0	85.0	.6	.6	.6	4.4	4.4	4.5	25.7	25.8	27.5
15	Wheeling	59.3	60.2	59.5	5.4	5.4	5.0	3.8	3.9	3.4	14.4	15.4	15.9
16	WISCONSIN	1,561.2	1,547.4	1,562.6	2.6	2.6	2.9	64.4	62.8	67.3	494.2	494.6	510.9
17	Green Bay	57.7	57.3	56.4	(1)	(1)	(1)	2.7	2.5	2.4	18.6	18.6	18.0
18	Kenosha	36.0	34.9	36.9	(1)	(1)	(1)	1.4	1.3	1.1	15.5	15.2	17.1
19	La Crosse	31.0	29.7	29.6	(1)	(1)	(1)	1.1	.8	1.0	8.6	8.5	8.0
20	Madison	122.5	120.6	122.6	(1)	(1)	(1)	6.8	7.1	7.0	15.6	15.8	16.8
21	Milwaukee	566.3	564.6	575.8	(1)	(1)	(1)	19.7	20.0	21.4	194.7	195.2	205.4
22	Racine	54.7	53.7	54.8	(1)	(1)	(1)	1.6	1.7	2.0	23.7	22.8	23.7
23	WYOMING ²	115.2	118.2	115.1	11.4	11.9	11.8	9.2	9.8	8.5	7.4	7.4	7.5
24	Casper ²	21.2	21.6	20.3	2.9	3.1	3.3	1.6	1.7	1.3	1.7	1.8	1.7
25	Cheyenne	18.9	19.1	18.9	(1)	(1)	(1)	1.2	1.2	1.2	1.0	1.0	1.0

1- Combined with services.
 2 Revised to 1971 benchmark; not strictly comparable with previously published data.
 3 Combined with construction.
 4 Federal employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in data for District of Columbia.
 5 Area included in Chicago-Northwestern Indiana Standard Consolidated Area.
 6 Revised to 1970 benchmark; not strictly comparable with previously published data.
 7 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
 8 Area included in New York-Northeastern New Jersey Standard Consolidated Area.
 9 Subarea of Rochester Standard Metropolitan Statistical Area.
 10 Subarea of New York Standard Metropolitan Statistical Area.
 11 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
 12 Initial inclusion in this publication. Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.
 13 Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
 14 Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, and Falls Church cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.
 * Not available.
 p-preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	Sept. 1971P	Aug. 1971	Sept. 1970	
100.3	100.9	98.8	311.8	311.0	304.8	71.0	71.6	68.7	229.3	230.4	222.4	316.9	303.8	298.6	1
2.7	2.6	2.5	9.2	9.2	8.6	2.3	2.3	2.2	6.8	6.7	6.5	5.8	5.8	5.8	2
4.3	4.2	4.2	16.6	16.6	16.0	3.1	3.1	2.9	13.4	13.2	12.7	29.8	30.1	29.1	3
16.0	16.3	16.3	49.7	50.0	49.0	9.7	9.7	9.9	32.5	33.0	32.4	63.3	60.8	58.7	4
21.4	21.8	21.6	64.5	64.7	61.7	16.6	16.9	15.8	49.8	49.7	49.2	95.2	91.7	92.6	5
18.7	18.7	18.6	54.0	53.6	53.6	19.1	19.2	18.9	36.4	36.4	35.6	48.6	47.0	45.5	6
10.9	10.9	11.1	19.3	19.5	18.9	4.1	4.2	4.0	14.2	13.9	13.9	11.5	11.5	10.2	7
68.8	69.1	73.8	238.2	235.0	247.8	57.8	58.1	58.1	174.3	172.6	173.8	250.4	238.3	239.8	8
37.4	37.9	38.9	108.1	108.0	116.7	34.3	34.5	35.6	80.5	80.3	82.6	96.3	90.5	90.2	9
7.2	7.3	7.6	23.0	22.8	24.1	5.5	5.5	5.3	19.2	18.2	19.5	17.9	16.9	17.5	10
6.0	6.0	7.0	23.1	22.6	23.9	6.0	6.1	6.1	18.9	18.6	18.9	26.2	26.1	25.7	11
41.8	42.2	42.2	91.2	91.3	91.8	16.1	16.2	15.9	68.8	68.0	68.2	98.3	97.9	93.9	12
9.0	9.1	9.0	19.5	19.5	19.0	4.0	4.0	4.0	13.1	13.0	13.1	13.7	13.2	13.5	13
8.3	8.3	8.3	17.9	17.9	18.0	3.0	3.0	2.9	10.6	10.6	10.7	12.7	12.5	12.4	14
3.9	4.0	3.9	12.6	12.6	12.4	2.2	2.2	2.2	10.3	10.2	10.1	6.7	6.6	6.6	15
83.0	81.1	82.7	342.1	338.6	334.5	63.7	64.2	61.6	243.6	243.4	236.0	267.8	260.1	266.8	16
4.9	4.9	4.7	13.8	14.0	14.1	1.6	1.6	1.4	8.8	8.5	8.6	7.5	7.2	7.2	17
1.4	1.3	1.3	7.0	7.0	6.9	.7	.7	.7	4.9	4.9	5.0	5.1	4.6	4.9	18
2.2	2.2	2.2	7.7	7.3	7.5	.6	.6	.6	6.2	6.1	5.9	4.6	4.2	4.4	19
5.9	5.9	5.7	25.1	24.2	24.5	6.6	6.7	6.4	19.0	18.9	18.6	43.5	42.1	43.6	20
31.6	31.2	32.1	125.1	122.8	122.6	29.4	29.7	29.1	92.2	91.8	92.1	73.5	74.0	73.2	21
2.0	1.9	2.0	10.1	10.2	10.2	1.4	1.5	1.5	8.3	8.4	8.2	7.5	7.3	7.3	22
10.7	10.8	10.7	25.6	26.5	25.5	3.7	3.7	3.7	17.6	19.7	18.4	29.6	28.4	29.0	23
1.8	1.8	1.8	5.0	5.2	4.8	.9	.9	.8	2.9	3.0	2.9	4.4	4.1	3.7	24
2.6	2.6	2.6	4.0	4.1	4.1	1.0	1.0	1.0	3.2	3.4	3.4	5.9	5.8	5.6	25

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

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

Year and month	Average			Average			Average			Average		
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings
	Total private ¹			Mining			Contract construction			Manufacturing		
1947	\$45.58	40.3	\$1.131	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$49.17	40.4	\$1.217
1948	49.00	40.0	1.225	65.56	39.4	1.664	65.27	38.1	1.713	53.12	40.0	1.328
1949	50.24	39.4	1.275	62.33	36.3	1.717	67.56	37.7	1.792	53.88	39.1	1.378
1950	53.13	39.8	1.335	67.16	37.9	1.772	69.68	37.4	1.863	58.32	40.5	1.440
1951	57.86	39.9	1.45	74.11	38.4	1.93	76.96	38.1	2.02	63.34	40.6	1.56
1952	60.65	39.9	1.52	77.59	38.6	2.01	82.86	38.9	2.13	67.16	40.7	1.65
1953	63.76	39.6	1.61	83.03	38.8	2.14	86.41	37.9	2.28	70.47	40.5	1.74
1954	64.52	39.1	1.65	82.60	38.6	2.14	88.91	37.2	2.39	70.49	39.6	1.78
1955	67.72	39.6	1.71	89.54	40.7	2.20	90.90	37.1	2.45	75.70	40.7	1.86
1956	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95
1957	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05
1958	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11
1959 ²	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19
1960	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26
1961	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32
1962	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39
1963	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46
1964	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53
1965	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61
1966	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72
1967	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83
1968	107.73	37.8	2.85	142.71	42.6	3.35	164.93	37.4	4.41	122.51	40.7	3.01
1969	114.61	37.7	3.04	155.23	43.0	3.61	181.54	37.9	4.79	129.51	40.6	3.19
1970	119.46	37.1	3.22	163.97	42.7	3.84	196.35	37.4	5.25	133.73	39.8	3.36
1970: October	121.03	36.9	3.28	168.56	43.0	3.92	204.54	37.6	5.44	133.45	39.6	3.37
November	121.07	36.8	3.29	169.52	42.7	3.97	197.65	36.2	5.46	134.58	39.7	3.39
December	122.43	37.1	3.30	170.28	43.0	3.96	204.20	37.4	5.46	138.45	39.9	3.47
1971: January	121.88	36.6	3.33	168.75	42.4	3.98	199.08	36.0	5.53	138.60	39.6	3.50
February	122.61	36.6	3.35	167.60	41.9	4.00	197.38	35.5	5.56	138.29	39.4	3.51
March	123.65	36.8	3.36	168.82	42.1	4.01	205.54	37.1	5.54	139.74	39.7	3.52
April	124.05	36.7	3.38	170.89	42.3	4.04	205.35	37.0	5.55	139.83	39.5	3.54
May	125.49	36.8	3.41	171.30	42.4	4.04	209.05	37.0	5.65	142.00	40.0	3.55
June	127.57	37.3	3.42	172.10	42.6	4.04	213.94	38.0	5.63	143.51	40.2	3.57
July	127.94	37.3	3.43	172.53	42.6	4.05	216.41	38.1	5.68	142.09	39.8	3.57
August	129.03	37.4	3.45	173.43	42.3	4.10	220.23	38.3	5.75	141.69	39.8	3.56
September ^p	129.13	37.0	3.49	173.47	41.9	4.14	216.23	36.9	5.86	143.64	39.9	3.60
October ^p	129.11	37.1	3.48	168.99	43.0	3.93	225.79	38.4	5.88	143.24	39.9	3.59
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	39.8	1.30	59.57	37.7	1.58	-	-	-
1954	-	-	-	53.33	39.5	1.35	62.04	37.6	1.65	-	-	-
1955	-	-	-	55.16	39.4	1.40	63.92	37.6	1.70	-	-	-
1956	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-
1957	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-
1958	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-
1959 ²	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-
1960	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-
1961	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-
1962	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-
1963	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-
1964	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94
1965	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05
1966	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17
1967	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29
1968	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	84.32	34.7	2.43
1969	148.15	40.7	3.64	91.14	35.6	2.56	108.70	37.1	2.93	90.57	34.7	2.61
1970	155.93	40.5	3.85	95.66	35.3	2.71	113.34	36.8	3.08	96.66	34.4	2.81
1970: October	159.18	40.4	3.94	96.60	35.0	2.76	115.18	36.8	3.13	98.50	34.2	2.88
November	160.38	40.5	3.96	96.67	34.9	2.77	115.92	36.8	3.15	99.18	34.2	2.90
December	161.20	40.4	3.99	97.08	35.3	2.75	115.61	36.7	3.15	99.81	34.3	2.91
1971: January	160.39	39.7	4.04	97.51	34.7	2.81	117.07	36.7	3.19	99.62	34.0	2.93
February	164.83	40.4	4.08	97.92	34.6	2.83	119.23	36.8	3.24	100.30	34.0	2.95
March	163.61	40.2	4.07	98.55	34.7	2.84	119.56	36.9	3.24	100.30	34.0	2.95
April	164.82	40.2	4.10	99.18	34.8	2.85	120.29	36.9	3.26	100.64	34.0	2.96
May	164.37	39.8	4.13	99.88	34.8	2.87	121.77	36.9	3.30	101.02	33.9	2.98
June	169.32	40.8	4.15	101.60	35.4	2.87	121.36	37.0	3.28	101.57	34.2	2.97
July	162.43	38.4	4.23	103.61	36.1	2.87	122.06	37.1	3.29	103.70	34.8	2.98
August	172.98	40.7	4.25	103.68	36.0	2.88	123.09	37.3	3.30	103.75	34.7	2.99
September ^p	177.10	40.9	4.33	102.08	35.2	2.90	121.77	36.9	3.30	103.97	34.2	3.04
October ^p	176.66	40.8	4.33	101.50	35.0	2.90	122.76	37.2	3.30	103.97	34.2	3.04

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

² Data include Alaska and Hawaii 1959.

^ppreliminary.

**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				
		Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970
	TOTAL PRIVATE	\$129.11	\$129.13	\$129.03	\$121.03	\$121.73	\$3.48	\$3.49	\$3.45	\$3.28	\$3.29
	MINING	168.99	173.47	173.43	168.56	164.55	3.93	4.14	4.10	3.92	3.89
10	METAL MINING.....	-	174.93	170.71	169.09	168.02	-	4.33	4.30	3.96	4.01
101	Iron ores.....	-	166.87	155.21	165.15	167.60	-	4.51	4.46	3.97	4.00
102	Copper ores.....	-	191.35	188.16	179.95	174.96	-	4.45	4.48	3.99	4.05
11,12	COAL MINING.....	-	187.54	190.69	192.92	181.89	-	4.76	4.72	4.66	4.48
12	Bituminous coal and lignite mining.....	-	189.51	192.78	194.99	183.51	-	4.81	4.76	4.71	4.52
13	OIL AND GAS EXTRACTION.....	-	162.35	161.45	154.37	152.40	-	3.82	3.79	3.59	3.62
131,2	Crude petroleum and natural gas fields.....	-	175.11	171.39	155.96	159.10	-	4.24	4.17	3.87	3.89
138	Oil and gas field services.....	-	153.64	154.34	153.00	147.15	-	3.54	3.54	3.40	3.43
14	NONMETALLIC MINERALS, EXCEPT FUELS.....	-	172.59	173.42	160.91	160.29	-	3.81	3.77	3.56	3.57
142	Crushed and broken stone.....	-	173.91	176.38	163.57	161.00	-	3.74	3.69	3.51	3.50
	CONTRACT CONSTRUCTION	225.79	216.23	220.23	204.54	194.76	5.88	5.86	5.75	5.44	5.38
15	GENERAL BUILDING CONTRACTORS.....	-	201.71	204.23	194.55	185.50	-	5.65	5.58	5.33	5.27
16	HEAVY CONSTRUCTION CONTRACTORS.....	-	216.68	224.89	202.69	194.93	-	5.35	5.23	4.98	4.96
161	Highway and street construction.....	-	216.52	222.26	195.02	188.10	-	5.18	5.04	4.78	4.75
162	Heavy construction, n.e.c.....	-	217.33	227.10	210.71	202.41	-	5.53	5.42	5.19	5.19
17	SPECIAL TRADE CONTRACTORS.....	-	225.00	228.41	211.97	200.86	-	6.25	6.14	5.76	5.69
171	Plumbing, heating, air conditioning.....	-	232.10	236.50	224.20	210.18	-	6.29	6.24	5.90	5.79
172	Painting, paper hanging, decorating.....	-	199.30	199.92	186.72	178.80	-	5.76	5.60	5.35	5.29
173	Electrical work.....	-	251.66	259.39	243.04	226.44	-	6.82	6.72	6.20	6.17
174	Masonry, stonework, and plastering.....	-	207.87	209.40	190.37	182.38	-	6.15	6.00	5.55	5.51
176	Roofing and sheetmetal work.....	-	183.67	189.38	170.69	167.49	-	5.45	5.38	5.08	5.06
	MANUFACTURING	143.24	143.64	141.69	133.45	135.43	3.59	3.60	3.56	3.37	3.42
19,24,25,32-39	DURABLE GOODS.....	154.33	153.18	151.60	142.76	145.16	3.82	3.82	3.79	3.56	3.62
20-23,26-31	NONDURABLE GOODS.....	129.30	130.75	129.17	122.07	122.15	3.29	3.31	3.27	3.13	3.14
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES.....	162.29	162.24	161.80	147.53	145.64	3.92	3.90	3.88	3.67	3.65
192	Ammunition, except for small arms.....	157.32	156.97	157.73	142.48	140.69	3.80	3.81	3.81	3.58	3.58
1925	Complete guided missiles.....	-	185.32	185.33	176.81	173.87	-	4.33	4.32	4.23	4.21
1929	Ammunition, exc. for small arms, nec.....	-	132.53	134.67	121.59	122.24	-	3.33	3.35	3.15	3.20
24	LUMBER AND WOOD PRODUCTS.....	131.61	129.68	129.20	120.38	120.99	3.21	3.21	3.19	3.04	3.04
242	Sawmills and planing mills.....	(*)	125.45	126.69	115.34	115.24	(*)	3.09	3.09	2.92	2.91
2421	Sawmills and planing mills, general.....	-	130.24	131.43	118.59	118.80	-	3.20	3.19	3.01	3.00
243	Millwork, plywood & related products.....	139.13	138.58	139.18	127.36	127.28	3.37	3.38	3.37	3.20	3.19
2431	Millwork.....	-	133.39	134.15	123.48	122.46	-	3.31	3.28	3.15	3.14
2432	Veneer and plywood.....	-	140.69	140.61	129.20	130.47	-	3.39	3.38	3.19	3.19
244	Wooden containers.....	102.26	98.55	97.52	96.00	93.37	2.55	2.54	2.52	2.50	2.47
2441,2	Wooden boxes, shooks, and crates.....	-	94.82	95.20	93.07	91.85	-	2.45	2.46	2.43	2.43
249	Miscellaneous wood products.....	114.96	113.57	112.20	107.04	107.68	2.77	2.77	2.75	2.63	2.62
25	FURNITURE AND FIXTURES.....	117.68	118.00	118.78	111.72	108.92	2.92	2.95	2.94	2.80	2.80
251	Household furniture.....	111.63	110.52	111.63	106.27	102.17	2.77	2.77	2.77	2.65	2.64
2511	Wood household furniture.....	-	104.00	105.82	100.94	94.96	-	2.60	2.60	2.48	2.46
2512	Upholstered household furniture.....	-	118.21	117.81	114.00	109.42	-	2.97	2.96	2.85	2.82
2515	Mattresses and bedsprings.....	-	122.67	122.31	110.50	113.76	-	3.09	3.05	2.87	2.88
252	Office furniture.....	-	146.20	142.27	126.72	120.43	-	3.44	3.42	3.20	3.12
254	Partitions and fixtures.....	-	144.04	146.42	133.96	136.74	-	3.61	3.58	3.40	3.41
253,9	Other furniture and fixtures.....	(*)	125.69	125.14	120.08	119.34	(*)	3.19	3.16	3.04	3.06
32	STONE, CLAY, AND GLASS PRODUCTS.....	158.63	156.71	157.78	143.31	142.83	3.75	3.74	3.73	3.47	3.45
321	Flat glass.....	-	200.90	192.98	171.75	191.80	-	4.63	4.53	4.22	4.31
322	Glass and glassware, pressed or blown.....	152.31	153.12	154.57	143.67	139.84	3.77	3.79	3.77	3.53	3.47
3221	Glass containers.....	-	157.59	163.86	148.78	142.04	-	3.93	3.92	3.62	3.56
3229	Pressed and blown glass, n.e.c.....	-	146.06	140.54	135.60	137.35	-	3.58	3.54	3.89	3.35
324	Cement, hydraulic.....	(*)	209.95	201.96	178.81	187.87	(*)	4.94	4.82	4.34	4.41
325	Structural clay products.....	(*)	123.49	121.77	114.51	115.37	(*)	2.99	2.97	2.87	2.87
3251	Brick and structural clay tile.....	-	119.28	119.14	110.16	111.25	-	2.84	2.81	2.72	2.72
326	Pottery and related products.....	-	127.32	127.86	120.39	117.20	-	3.29	3.27	3.07	3.06
327	Concrete, gypsum, and plaster products.....	(*)	169.79	174.60	154.94	152.06	(*)	3.85	3.88	3.57	3.52
328,9	Other stone and nonmetallic mineral products.....	(*)	150.14	150.79	141.38	141.04	(*)	3.68	3.66	3.44	3.44
3291	Abrasive products.....	-	140.99	139.50	132.04	129.87	-	3.72	3.73	3.54	3.51

See footnotes at end of table

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
-	TOTAL PRIVATE	37.1	37.0	37.4	36.9	37.0	-	-	-	-	-
-	MINING	43.0	41.9	42.3	43.0	42.3	-	-	-	-	-
10	METAL MINING	-	40.4	39.7	42.7	41.9	-	-	-	-	-
101	Iron ores	-	37.0	34.8	41.6	41.9	-	-	-	-	-
102	Copper ores	-	43.0	42.0	45.1	43.2	-	-	-	-	-
11,12	COAL MINING	-	39.4	40.4	41.4	40.6	-	-	-	-	-
12	Bituminous coal and lignite mining	-	39.4	40.5	41.4	40.6	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	42.5	42.6	43.0	42.1	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	41.3	41.1	40.3	40.9	-	-	-	-	-
138	Oil and gas field services	-	43.4	43.6	45.0	42.9	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	45.3	46.0	45.2	44.9	-	-	-	-	-
142	Crushed and broken stone	-	46.5	47.8	46.6	46.0	-	-	-	-	-
-	CONTRACT CONSTRUCTION	38.4	36.9	38.3	37.6	36.2	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	-	35.7	36.6	36.5	35.2	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	-	40.5	43.0	40.7	39.3	-	-	-	-	-
161	Highway and street construction	-	41.8	44.1	40.8	39.6	-	-	-	-	-
162	Heavy construction, n e c	-	39.3	41.9	40.6	39.0	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	36.0	37.2	36.8	35.3	-	-	-	-	-
171	Plumbing, heating, air conditioning	-	36.9	37.9	38.0	36.3	-	-	-	-	-
172	Painting, paper hanging, decorating	-	34.6	35.7	34.9	33.8	-	-	-	-	-
173	Electrical work	-	36.9	38.6	39.2	36.7	-	-	-	-	-
174	Masonry, stonework, and plastering	-	33.8	34.9	34.3	33.1	-	-	-	-	-
176	Roofing and sheet metal work	-	33.7	35.2	33.6	33.1	-	-	-	-	-
-	MANUFACTURING	39.9	39.9	39.8	39.6	39.6	3.0	3.1	3.0	2.9	3.1
19,24,25,32-39	DURABLE GOODS	40.4	40.1	40.0	40.1	40.1	2.9	3.0	2.8	2.8	3.0
20-23,26-31	NONDURABLE GOODS	39.3	39.5	39.5	39.0	38.9	3.1	3.3	3.2	3.0	3.1
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	41.4	41.6	41.7	40.2	39.9	-	2.6	2.6	2.0	2.0
192	Ammunition, except for small arms	41.4	41.2	41.4	39.8	39.3	-	2.2	2.5	1.8	1.5
1925	Complete guided missiles	-	42.8	42.9	41.8	41.3	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec	-	39.8	40.2	38.6	38.2	-	-	-	-	-
24	LUMBER AND WOOD PRODUCTS	41.0	40.4	40.5	39.6	39.8	-	3.8	3.9	3.3	3.1
242	Sawmills and planing mills	(*)	40.6	41.0	39.5	39.6	-	4.2	4.2	3.6	3.3
2421	Sawmills and planing mills, general	-	40.7	41.2	39.4	39.6	-	-	-	-	-
243	Millwork, plywood & related products	41.3	41.0	41.3	39.8	39.9	-	3.9	4.1	3.0	2.9
2431	Millwork	-	40.3	40.9	39.2	39.0	-	-	-	-	-
2432	Veneer and plywood	-	41.5	41.6	40.5	40.9	-	-	-	-	-
244	Wooden containers	40.1	38.8	38.7	38.4	37.8	-	2.8	2.7	2.3	2.1
2441,2	Wooden boxes, shooks, and crates	-	38.7	38.7	38.3	37.8	-	-	-	-	-
249	Miscellaneous wood products	41.5	41.0	40.8	40.7	41.1	-	3.8	3.7	3.5	3.2
25	FURNITURE AND FIXTURES	40.3	40.0	40.4	39.9	38.9	-	2.9	3.0	2.7	2.2
251	Household furniture	40.3	39.9	40.3	40.1	38.7	-	2.8	2.9	2.7	2.1
2511	Wood household furniture	-	40.0	40.7	40.7	38.6	-	2.8	3.0	3.1	2.2
2512	Upholstered household furniture	-	39.8	39.8	40.0	38.8	-	-	-	-	-
2515	Mattresses and bedsprings	-	39.7	40.1	38.5	39.5	-	-	-	-	-
252	Office furniture	-	42.5	41.6	39.6	38.6	-	4.5	3.9	2.5	1.6
254	Partitions and fixtures	(*)	39.9	40.9	39.4	40.1	-	2.7	3.6	2.8	3.1
253,9	Other furniture and fixtures	(*)	39.4	39.6	39.5	39.0	-	2.7	2.9	2.2	2.4
32	STONE, CLAY, AND GLASS PRODUCTS	42.3	41.9	42.3	41.3	41.4	-	4.8	5.0	4.4	4.3
321	Flat glass	-	43.4	42.6	40.7	44.5	-	5.0	4.5	3.6	5.9
322	Glass and glassware, pressed or blown	40.4	40.4	41.0	40.7	40.3	-	5.2	4.8	4.5	4.4
3221	Glass containers	-	40.1	41.8	41.1	39.9	-	-	-	-	-
3229	Pressed and blown glass, n e c	-	40.8	39.7	40.0	41.0	-	5.3	3.1	3.4	3.5
324	Cement, hydraulic	(*)	42.5	41.9	41.2	42.6	-	3.3	3.1	3.0	3.5
325	Structural clay products	(*)	41.3	41.0	39.9	40.2	-	3.9	4.1	3.1	3.5
3251	Brick and structural clay tile	-	42.0	42.4	40.5	40.9	-	-	-	-	-
326	Pottery and related products	-	38.7	39.1	39.2	38.3	-	2.4	2.2	2.4	2.2
327	Concrete, gypsum and plaster products	(*)	44.1	45.0	43.4	43.2	-	6.2	7.3	6.2	5.5
328,9	Other stone and nonmetallic mineral products	(*)	40.8	41.2	41.1	41.0	-	3.7	3.8	3.6	3.6
3291	Abrasive products	-	37.9	37.4	37.3	37.0	-	-	-	-	-

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				
		Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	\$170.31	\$171.90	\$166.45	\$157.61	\$166.87	\$4.29	\$4.33	\$4.29	\$3.99	\$4.07
331	Blast furnace and basic steel products ..	(*)	181.50	169.92	163.70	180.11	(*)	4.69	4.63	4.23	4.34
3312	Blast furnaces and steel mills	-	184.32	171.95	165.17	183.46	-	4.80	4.75	4.29	4.41
332	Iron and steel foundries	(*)	163.22	162.41	148.88	152.38	(*)	4.05	4.03	3.75	3.80
3321	Gray iron foundries	-	166.46	164.84	148.06	151.22	-	4.08	4.05	3.72	3.79
3322	Malleable iron foundries	-	176.61	172.00	154.80	166.27	-	4.35	4.30	4.15	4.22
3323	Steel foundries	-	150.16	152.47	148.71	149.74	-	3.87	3.86	3.69	3.67
333,4	Nonferrous metals	(*)	174.72	171.80	158.91	162.96	(*)	4.18	4.17	3.82	3.88
3334	Primary aluminum	-	188.60	185.93	168.92	175.55	-	4.68	4.66	4.12	4.22
335	Nonferrous rolling and drawing	164.00	164.37	164.39	150.18	154.09	4.00	3.98	3.99	3.69	3.74
3351	Copper rolling and drawing	-	157.49	165.78	141.68	146.89	-	3.86	3.91	3.68	3.70
3352	Aluminum rolling and drawing	-	173.05	170.56	154.13	157.35	-	4.19	4.16	3.75	3.81
3357	Nonferrous wire drawing and insulating ..	-	162.18	159.12	150.90	156.51	-	3.88	3.90	3.61	3.70
336	Nonferrous foundries	(*)	144.30	145.73	136.85	138.48	(*)	3.70	3.68	3.50	3.56
3361	Aluminum castings	-	147.80	148.13	136.50	139.65	-	3.78	3.75	3.50	3.59
3362,9	Other nonferrous castings	-	140.43	142.96	137.94	137.67	-	3.61	3.61	3.51	3.53
339	Miscellaneous primary metal products ...	(*)	180.50	173.60	168.82	165.03	(*)	4.49	4.44	4.21	4.21
3391	Iron and steel forgings	-	186.73	180.42	173.49	169.94	-	4.68	4.65	4.37	4.38
34	FABRICATED METAL PRODUCTS	152.71	150.80	151.13	142.61	145.44	3.78	3.77	3.75	3.53	3.60
341	Metal cans	(*)	186.34	198.87	164.74	175.77	(*)	4.49	4.53	3.96	4.05
342	Cutlery, hand tools, and hardware	(*)	142.76	141.65	129.12	133.51	(*)	3.56	3.55	3.22	3.38
3421,3,5	Cutlery and hand tools, incl. saws	-	140.24	139.95	132.87	130.68	-	3.48	3.49	3.33	3.30
3429	Hardware, n e c	-	144.04	142.88	126.23	135.14	-	3.61	3.59	3.14	3.43
343	Plumbing and heating, except electric ...	140.94	138.50	136.57	133.60	130.08	3.48	3.48	3.44	3.34	3.31
3431,2	Sanitary ware & plumbers' brass goods ..	-	140.75	137.36	132.16	130.93	-	3.51	3.46	3.38	3.34
3433	Heating equipment, except electric	-	135.88	135.38	135.46	129.23	-	3.44	3.41	3.32	3.28
344	Fabricated structural metal products	152.33	151.55	150.32	146.52	144.32	3.78	3.77	3.73	3.60	3.59
3441	Fabricated structural steel	-	161.05	159.78	149.97	148.06	-	3.89	3.85	3.64	3.62
3442	Metal doors, sash, and trim	-	124.19	123.38	121.57	118.81	-	3.16	3.10	3.07	3.07
3443	Fabricated plate work (boiler shops) ..	-	154.84	153.27	158.80	155.77	-	3.92	3.89	3.79	3.79
3444	Sheet metal work	-	162.00	162.81	150.44	148.93	-	4.04	4.05	3.78	3.78
3446,9	Architectural and misc. metal work ...	-	147.38	143.72	136.32	135.49	-	3.63	3.54	3.46	3.43
345	Screw machine products, bolts, etc.	154.84	151.81	151.81	141.91	143.07	3.74	3.73	3.73	3.53	3.55
3451	Screw machine products	-	146.37	146.29	139.20	139.30	-	3.65	3.63	3.48	3.50
3452	Bolts, nuts, rivets, and washers	-	156.94	156.59	144.27	146.47	-	3.80	3.81	3.58	3.59
346	Metal stampings	(*)	161.99	160.00	150.59	166.78	(*)	4.06	3.99	3.70	3.99
347	Metal services, n e c	128.43	128.87	128.48	125.29	123.17	3.31	3.33	3.32	3.18	3.15
348	Misc. fabricated wire products	(*)	134.86	134.46	128.55	125.58	(*)	3.38	3.37	3.23	3.22
349	Misc. fabricated metal products	148.03	146.15	147.20	141.65	140.80	3.71	3.70	3.68	3.55	3.52
3494,8	Valves, pipe, and pipe fittings	-	148.90	149.23	145.93	144.36	-	3.76	3.74	3.63	3.60
35	MACHINERY, EXCEPT ELECTRICAL	165.24	165.24	162.01	153.92	152.76	4.05	4.05	4.02	3.81	3.80
351	Engines and turbines	(*)	191.48	183.47	168.44	170.93	(*)	4.57	4.53	4.19	4.21
3511	Steam engines and turbines	-	197.35	196.46	188.26	189.53	-	4.71	4.70	4.44	4.47
3519	Internal combustion engines, n e c	-	188.13	177.16	161.15	163.99	-	4.49	4.44	4.09	4.11
352	Farm machinery	-	169.74	161.17	150.82	148.13	-	4.14	4.07	3.78	3.75
353	Construction and related machinery	159.60	160.80	157.61	154.28	153.50	4.00	4.00	3.96	3.80	3.79
3531,2	Construction and mining machinery	-	166.82	163.59	161.11	160.72	-	4.16	4.10	3.92	3.92
3533	Oil field machinery	-	157.77	157.63	147.96	144.89	-	3.82	3.78	3.60	3.56
3535,6	Conveyors, hoists, cranes, monorails ..	-	154.73	148.57	145.04	144.32	-	3.83	3.79	3.70	3.71
3537	Industrial trucks and tractors	-	145.06	138.74	131.25	132.52	-	3.71	3.69	3.50	3.46
354	Metal working machinery	(*)	174.56	174.20	165.24	163.61	(*)	4.31	4.28	4.09	4.07
3541	Machine tools, metal cutting types	-	168.35	160.99	160.00	160.00	-	4.23	4.16	4.00	4.00
3544	Special dies, tools, jigs & fixtures	-	191.78	193.20	180.84	178.23	-	4.61	4.60	4.40	4.39
3545	Machine tool accessories	-	159.94	159.96	150.15	151.30	-	4.08	4.06	3.85	3.84
3542,8	Misc. metal working machinery	-	158.80	159.17	153.87	150.72	-	3.97	3.93	3.79	3.74
355	Special industry machinery	153.90	153.52	152.74	147.74	144.36	3.80	3.80	3.79	3.63	3.60
3551	Food products machinery	-	157.60	154.44	149.63	147.36	-	3.94	3.90	3.75	3.74
3552	Textile machinery	-	125.83	127.26	127.26	125.74	-	3.21	3.23	3.15	3.12
3555	Printing trades machinery	-	180.62	178.51	163.90	158.76	-	4.24	4.23	3.94	3.92
356	General industrial machinery	(*)	161.20	160.80	150.82	148.92	(*)	4.01	4.00	3.78	3.77
3561	Pumps and compressors	-	155.20	157.16	150.66	150.59	-	3.88	3.89	3.72	3.70
3562	Ball and roller bearings	-	170.54	168.47	145.92	146.29	-	4.18	4.17	3.83	3.87
3564	Blowers and fans	-	148.51	151.20	144.73	137.26	-	3.64	3.67	3.53	3.44
3566	Power transmission equipment	-	161.60	160.39	155.47	153.16	-	4.04	4.03	3.82	3.81
357	Office and computing machines	170.45	170.00	168.84	154.98	154.69	4.02	4.00	4.02	3.78	3.81
3573	Electronic computing equipment	-	178.73	179.61	159.14	156.91	-	4.09	4.11	3.78	3.79
358	Service industry machines	(*)	146.92	143.17	139.65	138.69	(*)	3.71	3.69	3.50	3.45
3585	Refrigeration machinery	-	148.52	143.25	144.18	141.40	-	3.76	3.75	3.56	3.50
359	Misc. machinery, except electrical	162.35	161.50	156.33	150.47	149.08	3.95	3.92	3.86	3.67	3.69

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
<i>Durable Goods--Continued</i>											
33	PRIMARY METAL INDUSTRIES	39.7	39.7	38.8	39.5	41.0	-	2.7	2.5	2.5	3.4
331	Blast furnace and basic steel products ..	(*)	38.7	36.7	38.7	41.5	-	1.8	1.4	1.7	3.7
3312	Blast furnaces and steel mills	-	38.4	36.2	38.5	41.6	-	1.6	1.2	1.6	3.1
332	Iron and steel foundries	(*)	40.3	40.3	39.7	40.1	-	3.8	3.6	3.3	3.5
3321	Gray iron foundries	-	40.8	40.7	39.8	39.9	-	4.3	4.1	3.4	3.6
3322	Malleable iron foundries	-	40.6	40.0	37.3	39.4	-	-	-	-	-
3323	Steel foundries	-	38.8	39.5	40.3	40.8	-	2.5	2.5	3.4	3.7
333,4	Nonferrous metals	(*)	41.8	41.2	41.6	42.0	-	4.1	4.1	4.2	5.0
3334	Primary aluminum	-	40.3	39.9	41.0	41.6	-	-	-	-	-
335	Nonferrous rolling and drawing	41.0	41.3	41.2	40.7	41.2	-	3.5	3.7	3.4	3.6
3351	Copper rolling and drawing	-	40.8	42.4	38.5	39.7	-	-	-	-	-
3352	Aluminum rolling and drawing	-	41.3	41.0	41.3	41.3	-	3.2	3.6	3.1	3.8
3357	Nonferrous wire drawing and insulating ..	-	41.8	40.8	41.8	42.3	-	3.5	3.5	4.6	4.3
336	Nonferrous foundries	(*)	39.0	39.6	38.9	38.9	-	2.4	2.3	2.2	2.0
3361	Aluminum castings	-	39.1	39.5	39.0	38.9	-	-	-	-	-
3362,9	Other nonferrous castings	-	38.9	39.6	39.3	39.0	-	-	-	-	-
339	Miscellaneous primary metal products ..	(*)	40.2	39.1	40.1	39.2	-	3.2	2.7	3.4	3.4
3391	Iron and steel forgings	-	39.9	38.8	39.7	38.8	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	40.4	40.0	40.3	40.4	40.4	-	2.8	2.8	3.0	3.4
341	Metal cans	(*)	41.5	43.9	41.6	43.4	-	3.8	4.9	3.7	5.1
342	Cutlery, hand tools, and hardware	(*)	40.1	39.9	40.1	39.5	-	2.4	2.2	2.4	2.6
3421,3,5	Cutlery and hand tools, incl. saws.	-	40.3	40.1	39.9	39.6	-	-	-	-	-
3429	Hardware, n e c	-	39.9	39.8	40.2	39.4	-	-	-	-	-
343	Plumbing and heating, except electric.	40.5	39.8	39.7	40.0	39.3	-	2.6	2.2	2.6	2.7
3431,2	Sanitary ware & plumbers' brass goods.	-	40.1	39.7	39.1	39.2	-	-	-	-	-
3433	Heating equipment, except electric	-	39.5	39.7	40.8	39.4	-	-	-	-	-
344	Fabricated structural metal products	40.3	40.2	40.3	40.7	40.2	-	2.8	2.8	3.2	3.1
3441	Fabricated structural steel	-	41.4	41.5	41.2	40.9	-	3.8	3.8	3.7	3.4
3442	Metal doors, sash, and trim	-	39.3	39.8	39.6	38.7	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	39.5	39.4	41.9	41.1	-	1.8	1.6	3.6	3.5
3444	Sheet metal work	-	40.1	40.2	39.8	39.4	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	40.6	40.6	39.4	39.5	-	-	-	-	-
345	Screw machine products, bolts, etc.	41.4	40.7	40.7	40.2	40.3	-	3.2	3.4	2.6	3.1
3451	Screw machine products	-	40.1	40.3	40.0	39.8	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	41.3	41.1	40.3	40.8	-	-	-	-	-
346	Metal stampings	(*)	39.9	40.1	40.7	41.8	-	2.7	2.5	3.4	5.1
347	Metal services, n e c	38.8	38.7	38.7	39.4	39.1	-	3.7	3.6	3.8	3.6
348	Misc. fabricated wire products	(*)	39.9	39.9	39.8	39.0	-	2.8	2.7	2.9	2.4
349	Misc. fabricated metal products	39.9	39.5	40.0	39.9	40.0	-	2.2	2.5	2.6	2.7
3494,8	Valves, pipe, and pipe fittings	-	39.6	39.9	40.2	40.1	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	40.8	40.8	40.3	40.4	40.2	-	2.9	2.6	2.6	2.6
351	Engines and turbines	(*)	41.9	40.5	40.2	40.6	-	4.5	3.8	3.1	3.9
3511	Steam engines and turbines	-	41.9	41.8	42.4	42.4	-	-	-	-	-
3519	Internal combustion engines, n e c	-	41.9	39.9	39.4	39.9	-	-	-	-	-
352	Farm machinery	-	41.0	39.6	39.9	39.5	-	2.5	1.9	2.3	2.2
353	Construction and related machinery	39.9	40.2	39.8	40.6	40.5	-	2.2	2.2	2.6	2.7
3531,2	Construction and mining machinery	-	40.1	39.9	41.1	41.0	-	2.0	2.1	2.7	3.0
3533	Oil field machinery	-	41.3	41.7	41.1	40.7	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails.	-	40.4	39.2	39.2	38.9	-	-	-	-	-
3537	Industrial trucks and tractors	-	39.1	37.6	37.5	38.3	-	-	-	-	-
354	Metal working machinery	(*)	40.5	40.7	40.4	40.2	-	2.8	2.7	2.7	2.7
3541	Machine tools, metal cutting types	-	39.8	38.7	40.0	40.0	-	1.9	1.4	2.2	2.3
3544	Special dies, tools, jigs, & fixtures	-	41.6	42.0	41.1	40.6	-	-	-	-	-
3545	Machine tool accessories	-	39.2	39.4	39.0	39.4	-	1.4	1.0	1.2	1.3
3542,8	Misc. metal working machinery	-	40.0	40.5	40.6	40.3	-	-	-	-	-
355	Special industry machinery	40.5	40.4	40.3	40.7	40.1	-	2.5	2.5	2.7	2.5
3551	Food products machinery	-	40.0	39.6	39.9	39.4	-	-	-	-	-
3552	Textile machinery	-	39.2	39.4	40.4	40.3	-	-	-	-	-
3555	Printing trades machinery	-	42.6	42.2	41.6	40.5	-	-	-	-	-
356	General industrial machinery	(*)	40.2	40.2	39.9	39.5	-	2.4	2.5	2.1	2.4
3561	Pumps and compressors	-	40.0	40.4	40.5	40.7	-	2.5	2.6	2.8	2.8
3562	Ball and roller bearings	-	40.8	40.4	38.1	37.8	-	2.3	2.7	2.4	1.5
3564	Blowers and fans	-	40.8	41.2	41.0	39.9	-	-	-	-	-
3566	Power transmission equipment	-	40.0	39.8	40.7	40.2	-	2.2	2.1	2.4	2.9
357	Office and computing machines	42.4	42.5	42.0	41.0	40.6	-	3.6	2.7	2.0	1.7
3573	Electronic computing equipment	-	43.7	43.7	42.1	41.4	-	-	-	-	-
358	Service industry machines	(*)	39.6	38.8	39.9	40.2	-	2.6	2.4	2.2	2.5
3585	Refrigeration machinery	-	39.5	38.2	40.5	40.4	-	2.7	2.2	2.6	2.8
359	Misc. machinery, except electrical	41.1	41.2	40.5	41.0	40.4	-	3.5	3.2	3.5	3.2

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970
	<i>Durable Goods--Continued</i>										
36	ELECTRICAL EQUIPMENT AND SUPPLIES...	\$142.21	\$140.80	\$140.00	\$132.47	\$131.20	\$3.52	\$3.52	\$3.50	\$3.32	\$3.33
361	Electric test & distributing equipment ...	(*)	150.14	148.67	140.94	140.24	(*)	3.68	3.68	3.48	3.48
3611	Electric measuring instruments	-	131.05	132.11	121.59	120.58	-	3.26	3.27	3.15	3.14
3612	Transformers	-	145.56	145.67	137.54	140.01	-	3.63	3.66	3.43	3.44
3613	Switchgear and switchboard apparatus..	-	167.63	162.79	156.24	154.01	-	4.02	3.99	3.72	3.72
362	Electrical industrial apparatus	(*)	144.68	143.56	135.72	137.26	(*)	3.59	3.58	3.41	3.44
3621	Motors and generators	-	147.06	146.29	138.00	141.40	-	3.64	3.63	3.45	3.50
3622	Industrial controls	-	137.31	135.54	131.54	131.26	-	3.45	3.44	3.33	3.34
363	Household appliances	153.50	152.59	150.06	137.94	132.44	3.69	3.74	3.66	3.44	3.37
3632	Household refrigerators and freezers ...	-	170.15	164.30	146.86	142.36	-	4.11	3.94	3.69	3.55
3633	Household laundry equipment	-	175.09	173.01	154.60	142.69	-	4.11	4.09	3.78	3.64
3634	Electric housewares and fans	-	114.52	120.50	111.39	109.06	-	2.99	3.02	2.82	2.84
364	Electric lighting and wiring equipment ...	130.08	129.87	130.87	122.22	123.40	3.31	3.33	3.33	3.11	3.14
3641	Electric lamps	-	132.20	130.59	132.57	130.56	-	3.33	3.34	3.21	3.20
3642	Lighting fixtures	-	132.21	132.89	118.12	124.73	-	3.39	3.39	3.06	3.19
3643,4	Wiring devices	-	126.55	129.56	119.50	118.50	-	3.27	3.28	3.08	3.07
365	Radio and TV receiving equipment	(*)	121.81	119.35	115.13	115.89	(*)	3.15	3.10	2.90	3.01
366	Communication equipment	157.17	158.71	154.77	149.85	148.30	3.90	3.89	3.85	3.70	3.68
3661	Telephone and telegraph apparatus	-	157.17	152.46	146.69	146.47	-	3.90	3.85	3.64	3.59
3662	Radio and TV communication equipment ..	-	159.86	157.08	152.63	149.63	-	3.88	3.85	3.75	3.75
367	Electronic components and accessories ..	119.70	119.38	119.38	115.05	113.48	3.00	3.03	3.03	2.95	2.94
3671-3	Electron tubes	-	133.73	133.12	134.64	134.06	-	3.36	3.37	3.30	3.36
3674,9	Other electronic components	-	116.72	116.62	110.78	109.44	-	2.97	2.96	2.87	2.85
369	Misc. electrical equipment & supplies....	160.93	151.26	156.59	137.76	133.98	3.85	3.81	3.81	3.41	3.48
3694	Engine electrical equipment	-	147.42	159.95	136.62	132.80	-	3.90	3.93	3.45	3.57
37	TRANSPORTATION EQUIPMENT	177.28	173.80	171.74	161.60	167.26	4.41	4.40	4.37	4.00	4.14
371	Motor vehicles and equipment	(*)	183.92	179.88	166.05	175.44	(*)	4.68	4.66	4.06	4.30
3711	Motor vehicles	-	184.79	181.79	177.66	184.68	-	4.85	4.90	4.23	4.45
3712	Passenger car bodies	-	177.64	163.45	129.05	201.96	-	4.99	5.14	4.11	4.82
3713	Truck and bus bodies	-	149.69	146.89	136.86	139.35	-	3.78	3.70	3.43	3.51
3714	Motor vehicle parts and accessories ...	-	189.83	186.81	165.24	168.44	-	4.63	4.59	4.06	4.19
3715	Truck trailers	-	137.63	140.85	126.92	128.54	-	3.52	3.53	3.34	3.33
372	Aircraft and parts	(*)	173.60	175.37	172.20	170.11	(*)	4.34	4.33	4.20	4.19
3721	Aircraft	-	176.55	177.45	174.64	175.07	-	4.37	4.36	4.27	4.27
3722	Aircraft engines and engine parts	-	170.43	173.01	170.14	164.37	-	4.37	4.38	4.17	4.13
3723,9	Other aircraft parts and equipment	-	170.08	173.04	169.74	165.24	-	4.21	4.20	4.09	4.05
373	Ship and boat building and repairing	(*)	156.41	156.02	148.60	150.53	(*)	3.98	3.93	3.82	3.84
3731	Ship building and repairing	-	165.92	164.80	155.20	157.60	-	4.19	4.12	4.00	4.00
3732	Boat building and repairing	-	125.30	124.36	124.34	121.52	-	3.28	3.23	3.14	3.14
374	Railroad equipment	-	177.12	180.85	151.13	155.39	-	4.53	4.59	4.03	4.10
375,9	Other transportation equipment	-	134.74	133.06	124.26	120.74	-	3.36	3.31	3.13	3.12
38	INSTRUMENTS AND RELATED PRODUCTS ..	142.80	142.80	140.58	136.40	135.38	3.57	3.57	3.55	3.41	3.41
381	Engineering & scientific instruments	-	166.32	159.86	154.03	151.71	-	4.20	4.12	3.87	3.89
382	Mechanical measuring & control devices..	(*)	138.25	137.16	130.65	128.48	(*)	3.50	3.49	3.35	3.32
3821	Mechanical measuring devices	-	137.51	137.16	134.19	132.33	-	3.49	3.49	3.38	3.35
3822	Automatic temperature controls	-	139.70	137.16	126.16	122.67	-	3.51	3.49	3.32	3.28
383,5	Optical and ophthalmic goods	128.23	128.80	126.32	123.64	123.95	3.23	3.22	3.19	3.13	3.13
385	Ophthalmic goods	-	120.48	117.69	116.53	116.23	-	3.05	3.01	2.95	2.95
384	Medical instruments and supplies	125.91	124.66	123.64	117.91	116.03	3.14	3.14	3.13	2.97	2.96
386	Photographic equipment and supplies	(*)	178.42	172.94	169.72	170.13	(*)	4.32	4.27	4.07	4.07
387	Watches, clocks, and watchcases	-	114.00	112.40	110.95	109.42	-	2.85	2.86	2.76	2.77
39	MISC. MANUFACTURING INDUSTRIES	116.62	115.44	115.64	110.30	108.77	2.96	2.96	2.95	2.85	2.84
391	Jewelry, silverware, and plated ware....	135.20	130.02	126.49	123.48	119.50	3.33	3.30	3.26	3.15	3.12
394	Toys and sporting goods	-	105.18	105.72	100.10	98.92	-	2.69	2.69	2.60	2.61
3941-3	Games, toys, dolls & play vehicles	-	99.97	100.36	94.87	93.50	-	2.59	2.58	2.49	2.50
3949	Sporting and athletic goods, n e c	-	113.03	113.03	108.58	107.97	-	2.84	2.84	2.77	2.79
395	Pens, pencils, office and art supplies....	-	122.09	119.40	112.13	110.59	-	3.06	3.00	2.89	2.88
396	Costume jewelry and notions	-	105.38	105.49	99.58	98.42	-	2.73	2.74	2.60	2.59
393,9	Other manufacturing industries	122.38	122.22	123.32	118.95	117.34	3.13	3.15	3.13	3.05	3.04
393	Musical instruments and parts	-	125.15	123.32	119.20	118.29	-	3.06	3.03	2.98	3.01
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	135.14	138.51	135.94	129.51	130.56	3.37	3.37	3.34	3.19	3.20
201	Meat products	(*)	146.50	144.26	139.93	141.59	(*)	3.53	3.51	3.38	3.42
2011	Meat packing plants	-	178.90	175.14	174.17	176.32	-	4.18	4.16	4.06	4.11
2013	Sausages and other prepared meats	-	161.18	159.20	149.45	153.14	-	3.97	3.98	3.69	3.69
2015	Poultry dressing plants	-	90.35	91.43	86.76	85.85	-	2.27	2.28	2.18	2.19

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.4	40.0	40.0	39.9	39.4	-	2.4	2.2	2.3	2.2
361	Electric test & distributing equipment	(*)	40.8	40.4	40.5	40.3	-	2.6	2.4	2.7	2.7
3611	Electric measuring instruments	-	40.2	40.4	38.6	38.4	-	1.6	1.8	1.4	1.1
3612	Transformers	-	40.1	39.8	40.1	40.7	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.7	40.8	42.0	41.4	-	-	-	-	-
362	Electrical industrial apparatus	(*)	40.3	40.1	39.8	39.9	-	2.3	2.2	2.1	2.4
3621	Motors and generators	-	40.4	40.3	40.0	40.4	-	2.5	2.4	2.2	2.9
3622	Industrial controls	-	39.8	39.4	39.5	39.3	-	1.6	1.6	1.7	1.7
363	Household appliances	41.6	40.8	41.0	40.1	39.3	-	3.1	2.7	2.7	2.4
3632	Household refrigerators and freezers	-	41.4	41.7	39.8	40.1	-	-	-	-	-
3633	Household laundry equipment	-	42.6	42.3	40.9	39.2	-	-	-	-	-
3634	Electric housewares and fans	-	38.3	39.9	39.5	38.4	-	2.3	2.5	2.4	2.2
364	Electric lighting and wiring equipment	39.3	39.0	39.3	39.3	39.3	-	1.5	1.8	2.0	2.2
3641	Electric lamps	-	39.7	39.1	41.3	40.8	-	1.5	1.4	3.0	2.5
3642	Lighting fixtures	-	39.0	39.2	38.6	39.1	-	1.8	1.7	1.6	2.3
3643,4	Wiring devices	-	38.7	39.5	38.8	38.6	-	1.3	2.2	1.8	1.9
365	Radio and TV receiving equipment	(*)	38.7	38.5	39.7	38.5	-	2.1	1.7	2.8	2.3
366	Communication equipment	40.3	40.8	40.2	40.5	40.3	-	2.4	2.1	2.6	2.3
3661	Telephone and telegraph apparatus	-	40.3	39.6	40.3	40.8	-	-	-	-	-
3662	Radio and TV communication equipment	-	41.2	40.8	40.7	39.9	-	2.7	2.4	2.5	2.0
367	Electronic components and accessories	39.9	39.4	39.4	39.0	38.6	-	2.1	1.9	1.4	1.4
3671-3	Electron tubes	-	39.8	39.5	40.8	39.9	-	1.4	1.6	2.0	1.7
3674,9	Other electronic components	-	39.3	39.4	38.6	38.4	-	2.2	2.0	1.3	1.3
369	Misc. electrical equipment & supplies	41.8	39.7	41.1	40.4	38.5	-	3.1	3.0	2.9	2.3
3694	Engine electrical equipment	-	37.8	40.7	39.6	37.2	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	40.2	39.5	39.3	40.4	40.4	-	3.0	2.7	3.0	3.9
371	Motor vehicles and equipment	(*)	39.3	38.6	40.9	40.8	-	3.2	2.6	3.4	4.9
3711	Motor vehicles	-	38.1	37.1	42.0	41.5	-	2.1	1.9	4.1	6.1
3712	Passenger car bodies	-	35.6	31.8	31.4	41.9	-	-	-	-	-
3713	Truck and bus bodies	-	39.6	39.7	39.9	39.7	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	41.0	40.7	40.7	40.2	-	3.8	3.1	3.4	3.7
3715	Truck trailers	-	39.1	39.9	38.0	38.6	-	-	-	-	-
372	Aircraft and parts	(*)	40.0	40.5	41.0	40.6	-	2.0	2.6	2.6	2.7
3721	Aircraft	-	40.4	40.7	40.9	41.0	-	1.8	2.7	1.8	2.3
3722	Aircraft engines and engine parts	-	39.0	39.5	40.8	39.8	-	2.0	2.0	3.1	2.9
3723,9	Other aircraft parts and equipment	-	40.4	41.2	41.5	40.8	-	2.6	3.2	3.7	3.3
373	Ship and boat building and repairing	(*)	39.3	39.7	38.9	39.2	-	4.0	3.1	3.1	3.1
3731	Ship building and repairing	-	39.6	40.0	38.8	39.4	-	-	-	-	-
3732	Boat building and repairing	-	38.2	38.5	39.6	38.7	-	-	-	-	-
374	Railroad equipment	-	39.1	39.4	37.5	37.9	-	2.5	2.9	1.5	2.2
375,9	Other transportation equipment	-	40.1	40.2	39.7	38.7	-	3.4	3.0	2.7	2.5
38	INSTRUMENTS AND RELATED PRODUCTS	40.0	40.0	39.6	40.0	39.7	-	2.3	2.4	2.1	2.1
381	Engineering & scientific instruments	-	39.6	38.8	39.8	39.0	-	2.6	2.7	2.2	1.8
382	Mechanical measuring & control devices	(*)	39.5	39.3	39.0	38.7	-	1.8	2.1	1.8	2.2
3821	Mechanical measuring devices	-	39.4	39.3	39.7	39.5	-	1.7	1.9	2.1	2.4
3822	Automatic temperature controls	-	39.8	39.3	38.0	37.4	-	1.9	2.3	1.5	1.8
383,5	Optical and ophthalmic goods	39.7	40.0	39.6	39.5	39.6	-	2.3	1.8	1.9	2.0
385	Ophthalmic goods	-	39.5	39.1	39.5	39.4	-	2.0	1.8	2.1	2.1
384	Medical instruments and supplies	40.1	39.7	39.5	39.7	39.2	-	1.8	1.9	2.1	1.9
386	Photographic equipment and supplies	(*)	41.3	40.5	41.7	41.8	-	3.1	3.6	2.7	2.9
387	Watches, clocks, and watch cases	-	40.0	39.3	40.2	39.5	-	2.4	1.6	1.9	1.7
39	MISC. MANUFACTURING INDUSTRIES	39.4	39.0	39.2	38.7	38.3	-	2.5	2.3	2.3	2.1
391	Jewelry, silverware, and plated ware	40.6	39.4	38.8	39.2	38.3	-	3.2	2.1	2.4	2.0
394	Toys and sporting goods	-	39.1	39.3	38.5	37.9	-	2.6	2.3	2.5	2.3
3941-3	Games, toys, dolls, & play vehicles	-	38.6	38.9	38.1	37.4	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.8	39.8	39.2	38.7	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.9	39.8	38.8	38.4	-	1.9	1.6	1.5	1.4
396	Costume jewelry and notions	-	38.6	38.5	38.3	38.0	-	2.4	2.2	2.1	1.7
393,9	Other manufacturing industries	39.1	38.8	39.4	39.0	38.6	-	2.4	2.5	2.3	2.2
393	Musical instruments and parts	-	40.9	40.7	40.0	39.3	-	3.5	3.2	2.7	2.3
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	40.1	41.1	40.7	40.6	40.8	-	4.5	4.2	4.1	4.5
201	Meat products	(*)	41.5	41.1	41.4	41.4	-	4.9	4.5	5.0	4.9
2011	Meat packing plants	-	42.8	42.1	42.9	42.9	-	5.6	4.9	5.4	5.8
2013	Sausages and other prepared meats	-	40.6	40.0	40.5	41.5	-	-	-	-	-
2015	Poultry dressing plants	-	39.8	40.1	39.8	39.2	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	(*)	\$146.37	\$144.35	\$136.86	\$141.71	(*)	\$3.51	\$3.47	\$3.33	\$3.35
2024	Ice cream and frozen desserts	-	138.79	136.15	126.08	131.70	-	3.41	3.37	3.20	3.22
2026	Fluid milk	-	155.61	152.04	145.67	152.50	-	3.67	3.62	3.51	3.53
203	Canned, cured, and frozen foods	-	114.86	110.71	103.22	106.62	-	2.85	2.81	2.64	2.72
2031,6	Canned, cured, and frozen sea foods	-	82.23	85.85	86.25	79.11	-	2.44	2.46	2.30	2.32
2032,3	Canned food, except sea foods	-	122.06	115.66	107.96	114.65	-	2.92	2.87	2.74	2.81
2037	Frozen fruits and vegetables	-	101.08	102.03	97.22	93.87	-	2.66	2.65	2.48	2.49
204	Grain mill products	\$157.88	160.56	158.95	151.09	150.06	\$3.58	3.56	3.54	3.35	3.32
2041	Flour and other grain mill products	-	182.11	176.70	165.56	170.02	-	3.85	3.80	3.53	3.52
2042	Prepared feeds for animals and fowls	-	139.08	138.92	133.44	130.92	-	3.03	3.02	2.92	2.89
205	Bakery products	137.32	139.44	138.29	129.81	131.87	3.53	3.53	3.51	3.32	3.33
2051	Bread, cake, and related products	-	142.20	140.30	131.77	135.26	-	3.60	3.57	3.37	3.39
2052	Cookies and crackers	-	130.75	131.08	122.54	120.74	-	3.31	3.31	3.15	3.12
206	Sugar	-	148.22	150.54	128.61	148.33	-	3.86	3.86	3.16	3.49
207	Confectionery and related products	(*)	123.73	122.09	110.60	110.65	(*)	3.04	3.06	2.80	2.83
2071	Confectionery products	-	118.55	116.62	106.62	106.81	-	2.92	2.96	2.72	2.76
208	Beverages	159.20	161.99	161.95	149.65	150.29	3.98	3.98	3.95	3.76	3.72
2082	Malr liquors	-	215.78	217.36	195.54	193.52	-	5.25	5.20	4.84	4.79
2086	Bottled and canned soft drinks	-	119.58	120.95	109.03	114.33	-	2.96	2.95	2.81	2.83
209	Misc. foods and kindred products	141.46	141.96	137.61	129.90	129.78	3.36	3.38	3.30	3.13	3.15
21	TOBACCO MANUFACTURES	110.23	114.61	119.31	111.11	108.29	3.02	3.04	3.19	2.82	2.88
211	Cigarettes	-	141.41	145.78	140.34	141.21	-	3.95	3.94	3.58	3.63
212	Cigars	-	86.21	87.98	85.28	81.40	-	2.33	2.34	2.25	2.20
22	TEXTILE MILL PRODUCTS	106.71	104.90	104.86	99.50	96.19	2.59	2.59	2.57	2.50	2.46
221	Weaving mills, cotton	(*)	103.68	104.55	102.50	96.80	(*)	2.56	2.55	2.50	2.42
222	Weaving mills, synthetics	111.51	110.72	110.04	102.72	99.50	2.63	2.63	2.62	2.53	2.50
223	Weaving and finishing mills, wool	109.87	110.15	105.54	98.42	97.66	2.74	2.74	2.72	2.59	2.53
224	Narrow fabric mills	97.64	99.40	101.81	97.17	94.49	2.51	2.51	2.52	2.46	2.48
225	Knitting mills	(*)	94.24	95.98	89.76	87.72	(*)	2.48	2.48	2.40	2.41
2251	Women's hosiery, except socks	-	82.36	86.51	80.58	81.53	-	2.36	2.37	2.37	2.37
2252	Hosiery, n e c	-	83.03	85.73	81.84	75.52	-	2.25	2.25	2.20	2.17
2253	Knit outerwear mills	-	98.69	99.07	95.48	91.84	-	2.57	2.56	2.48	2.53
2254	Knit underwear mills	-	85.01	89.32	84.07	81.11	-	2.31	2.32	2.23	2.21
226	Textile finishing, except wool	117.98	116.89	113.44	110.68	104.38	2.75	2.77	2.74	2.68	2.59
227	Floor covering mills	-	117.82	121.55	110.93	108.71	-	2.74	2.75	2.61	2.57
228	Yarn and thread mills	102.30	102.55	100.50	93.03	90.68	2.43	2.43	2.41	2.32	2.29
229	Miscellaneous textile goods	118.49	119.60	120.06	111.50	109.87	2.89	2.91	2.90	2.76	2.74
23	APPAREL AND OTHER TEXTILE PRODUCTS	89.36	89.82	90.00	84.46	83.45	2.51	2.53	2.50	2.42	2.44
231	Men's and boys' suits and coats	(*)	111.38	110.62	97.94	97.74	(*)	3.12	3.09	2.95	2.98
232	Men's and boys' furnishings	(*)	79.35	81.38	77.75	76.04	(*)	2.18	2.17	2.13	2.13
2321	Men's and boys' shirts and nightwear	-	77.53	79.79	76.80	74.55	-	2.13	2.15	2.11	2.10
2327	Men's and boys' separate trousers	-	79.64	81.06	77.23	75.26	-	2.17	2.15	2.11	2.12
2328	Men's and boys' work clothing	-	76.74	77.00	73.69	71.81	-	2.12	2.07	2.03	2.04
233	Women's and misses' outerwear	90.36	91.58	92.14	85.74	83.69	2.73	2.75	2.71	2.63	2.64
2331	Women's and misses' blouses and waists	-	80.88	81.89	78.35	75.76	-	2.40	2.36	2.36	2.39
2335	Women's and misses' dresses	-	91.09	91.41	85.72	84.12	-	2.82	2.77	2.73	2.74
2337	Women's and misses' suits and coats	-	109.48	108.46	97.91	95.46	-	3.22	3.19	3.05	3.04
2339	Women's and misses' outerwear, n e c	-	81.32	81.98	78.23	75.92	-	2.33	2.29	2.21	2.22
234	Women's and children's undergarments	83.59	84.18	82.76	80.22	79.25	2.29	2.30	2.28	2.21	2.22
2341	Women's and children's underwear	-	81.76	80.59	78.62	77.69	-	2.24	2.22	2.16	2.17
2342	Corsets and allied garments	-	90.65	87.97	85.07	84.14	-	2.45	2.43	2.35	2.37
235	Hats, caps, and millinery	-	84.71	84.37	82.04	79.65	-	2.34	2.35	2.26	2.25
236	Children's outerwear	80.71	79.79	82.13	79.33	77.86	2.36	2.34	2.32	2.26	2.29
2361	Children's dresses and blouses	-	71.91	78.32	76.84	71.55	-	2.29	2.29	2.26	2.25
237,8	Fur goods and miscellaneous apparel	-	94.90	93.70	92.06	90.47	-	2.60	2.56	2.55	2.52
239	Misc. fabricated textile products	100.20	100.32	100.08	92.00	93.10	2.63	2.64	2.62	2.46	2.53
2391,2	Housefurnishings	-	89.24	86.49	84.04	81.91	-	2.30	2.27	2.20	2.19
26	PAPER AND ALLIED PRODUCTS	157.03	158.67	158.53	147.07	147.97	3.73	3.76	3.73	3.51	3.54
261,2,6	Paper and pulp mills	(*)	182.65	182.52	168.44	173.41	(*)	4.17	4.12	3.89	3.95
263	Paperboard mills	(*)	195.65	186.95	175.92	183.01	(*)	4.30	4.22	3.98	4.04
264	Misc. converted paper products	136.15	137.30	138.17	127.35	126.08	3.37	3.39	3.37	3.16	3.16
2643	Bags, except textile bags	-	134.13	135.05	124.22	122.36	-	3.32	3.31	3.09	3.09
265	Paperboard containers and boxes	(*)	141.17	143.94	133.58	130.57	(*)	3.46	3.46	3.25	3.24
2651,2	Folding and setup paperboard boxes	-	131.20	132.26	120.99	118.47	-	3.28	3.29	3.04	3.03
2653	Corrugated and solid fiber boxes	-	149.87	155.00	143.64	139.47	-	3.62	3.63	3.42	3.41
2654	Sanitary food containers	-	137.12	139.11	130.60	131.56	-	3.32	3.32	3.17	3.17

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products.....	(*)	41.7	41.6	41.1	42.3	-	4.1	4.0	3.8	4.6
2024	Ice cream and frozen desserts.....	-	40.7	40.4	39.4	40.9	-	-	-	-	-
2026	Fluid milk.....	-	42.4	42.0	41.5	43.2	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	40.3	39.4	39.1	39.2	-	4.3	3.7	3.1	4.1
2031,6	Canned, cured and frozen sea foods.....	-	33.7	34.9	37.5	34.1	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	41.8	40.3	39.4	40.8	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	38.0	38.5	39.2	37.7	-	-	-	-	-
204	Grain mill products.....	44.1	45.1	44.9	45.1	45.2	-	7.0	6.9	7.2	7.3
2041	Flour and other grain mill product.....	-	47.3	46.5	46.9	48.3	-	-	-	-	-
2042	Prepared feeds for animals and fowls.....	-	45.9	46.0	45.7	45.3	-	-	-	-	-
205	Bakery products.....	38.9	39.5	39.4	39.1	39.6	-	3.4	3.3	3.2	3.7
2051	Bread, cake, and related products.....	-	39.5	39.3	39.1	39.9	-	-	-	-	-
2052	Cookies and crackers.....	-	39.5	39.6	38.9	38.7	-	-	-	-	-
206	Sugar.....	-	38.4	39.0	40.7	42.5	-	4.8	3.8	4.2	5.8
207	Confectionery and related products.....	(*)	40.7	39.9	39.5	39.1	-	3.4	3.1	2.5	2.7
2071	Confectionery products.....	-	40.6	39.4	39.2	38.7	-	-	-	-	-
208	Beverages.....	40.0	40.7	41.0	39.8	40.4	-	3.8	3.8	3.2	3.8
2082	Malt liquors.....	-	41.1	41.8	40.4	40.4	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	40.4	41.0	38.8	40.4	-	-	-	-	-
209	Misc. foods and kindred products.....	42.1	42.0	41.7	41.5	41.2	-	5.0	4.4	4.8	4.8
21	TOBACCO MANUFACTURES.....	36.5	37.7	37.4	39.4	37.6	-	2.6	2.6	2.3	2.3
211	Cigarettes.....	-	35.8	37.0	39.2	38.9	-	3.2	3.5	2.8	3.5
212	Cigars.....	-	37.0	37.6	37.9	37.0	-	2.4	1.6	1.9	1.2
22	TEXTILE MILL PRODUCTS.....	41.2	40.5	40.8	39.8	39.1	-	4.0	3.9	3.3	2.9
221	Weaving mills, cotton.....	(*)	40.5	41.0	41.0	40.0	-	4.4	4.0	4.2	3.3
222	Weaving mills, synthetics.....	42.4	42.1	42.0	40.6	39.8	-	4.7	4.2	3.3	3.2
223	Weaving and finishing mills, wool.....	40.1	40.2	38.8	38.0	38.6	-	3.1	2.9	2.0	2.4
224	Narrow fabric mills.....	38.9	39.6	40.4	39.5	38.1	-	2.4	3.2	2.2	1.8
225	Knitting mills.....	(*)	38.0	38.7	37.4	36.4	-	2.5	2.8	2.3	1.9
2251	Women's hosiery, except socks.....	-	34.9	36.5	34.0	34.4	-	-	-	-	-
2252	Hosiery, n e c.....	-	36.9	38.1	37.2	34.8	-	-	-	-	-
2253	Knit outerwear mills.....	-	38.4	38.7	38.5	36.3	-	-	-	-	-
2254	Knit underwear mills.....	-	36.8	38.5	37.7	36.7	-	-	-	-	-
226	Textile finishing, except wool.....	42.9	42.2	41.4	41.3	40.3	-	5.1	4.8	4.3	3.6
227	Floor covering mills.....	-	43.0	44.2	42.5	42.3	-	5.7	6.1	4.3	4.1
228	Yarn and thread mills.....	42.1	43.3	41.7	40.1	39.6	-	4.7	4.6	3.5	3.1
229	Miscellaneous textile goods.....	41.0	41.1	41.4	40.4	40.1	-	3.9	3.8	3.2	3.4
23	APPAREL AND OTHER TEXTILE PRODUCTS.....	35.6	35.5	36.0	34.9	34.2	-	1.2	1.3	1.2	1.0
231	Men's and boys' suits and coats.....	(*)	35.7	35.8	33.2	32.8	-	.8	1.0	.7	.6
232	Men's and boys' furnishings.....	(*)	36.4	37.5	36.5	35.7	-	1.2	1.4	1.1	1.0
2321	Men's and boys' shirts and nightwear.....	-	36.4	37.1	36.4	35.5	-	1.2	1.3	1.0	1.0
2327	Men's and boys' separate trousers.....	-	36.7	37.7	36.6	35.5	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	36.2	37.2	36.3	35.2	-	1.0	1.2	1.0	.9
233	Women's and misses' outerwear.....	33.1	33.3	34.0	32.6	31.7	-	.9	1.1	1.0	.9
2331	Women's and misses' blouses and waists.....	-	33.7	34.7	33.2	31.7	-	-	-	-	-
2335	Women's and misses' dresses.....	-	32.3	33.0	31.4	30.7	-	.7	1.0	.9	.8
2337	Women's and misses' suits and coats.....	-	34.0	34.0	32.1	31.4	-	1.4	1.3	1.2	1.1
2339	Women's and misses' outerwear, n e c.....	-	34.9	35.8	35.4	34.2	-	1.1	1.1	1.1	.9
234	Women's and children's undergarments.....	36.5	36.6	36.3	36.3	35.7	-	1.5	1.3	1.5	1.2
2341	Women's and children's underwear.....	-	36.5	36.3	36.4	35.8	-	-	-	-	-
2342	Corsets and allied garments.....	-	37.0	36.2	36.2	35.5	-	-	-	-	-
235	Hats, caps, and millinery.....	-	36.2	35.9	36.3	35.4	-	1.1	1.0	.9	.7
236	Children's outerwear.....	34.2	34.1	35.4	35.1	34.0	-	1.0	1.5	1.0	1.1
2361	Children's dresses and blouses.....	-	31.4	34.2	34.0	31.8	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel.....	-	36.5	36.6	36.1	35.9	-	1.5	1.4	1.3	1.0
239	Misc. fabricated textile products.....	38.1	38.0	38.2	37.4	36.8	-	2.2	1.9	2.0	1.8
2391,2	Housefurnishings.....	-	38.8	38.1	38.2	37.4	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS.....	42.1	42.2	42.5	41.9	41.8	-	5.1	5.0	4.5	4.8
261,2,6	Paper and pulp mills.....	(*)	43.8	44.3	43.3	43.9	-	6.3	6.3	5.6	6.2
263	Paperboard mills.....	(*)	45.5	44.3	44.2	45.3	-	9.2	7.6	6.5	7.7
264	Misc. converted paper products.....	40.4	40.5	41.0	40.3	39.9	-	3.3	3.2	3.2	3.3
2643	Bags, except textile bags.....	-	40.4	40.8	40.2	39.6	-	-	-	-	-
265	Paperboard containers and boxes.....	(*)	40.8	41.6	41.1	40.3	-	4.1	4.3	4.0	3.7
2651,2	Folding and setup paperboard boxes.....	-	40.0	40.2	39.8	39.1	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	41.4	42.7	42.0	40.9	-	4.8	5.4	4.4	4.4
2654	Sanitary food containers.....	-	41.3	41.9	41.2	41.5	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

88

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^P	Sept. 1971 ^P	Aug. 1971	Oct. 1970	Sept. 1970
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	\$159.00	\$160.98	\$159.47	\$150.38	\$151.18	\$4.24	\$4.27	\$4.23	\$4.01	\$4.01
271	Newspapers	(*)	165.79	164.26	153.28	155.81	(*)	4.67	4.64	4.33	4.34
272	Periodicals	-	179.15	176.84	172.51	172.51	-	4.49	4.41	4.27	4.27
273	Books	-	153.23	150.05	138.28	136.44	-	3.85	3.77	3.62	3.60
275	Commercial printing	(*)	166.71	165.17	155.88	157.12	(*)	4.33	4.29	4.07	4.06
2751	Commercial printing, ex. lithographic	-	161.38	159.01	152.05	152.06	-	4.17	4.13	3.97	3.96
2752	Commercial printing, lithographic	-	176.40	176.15	162.47	165.03	-	4.57	4.54	4.22	4.21
278	Blankbooks and bookbinding	(*)	123.65	122.88	114.61	113.77	(*)	3.22	3.20	3.04	3.05
274,6,7,9	Other publishing & printing ind.	(*)	155.66	154.95	146.23	145.50	(*)	4.14	4.11	3.91	3.88
28	CHEMICALS AND ALLIED PRODUCTS ...	165.21	170.07	164.79	155.70	159.18	4.01	4.03	3.99	3.77	3.79
281	Industrial chemicals	(*)	193.03	185.15	175.14	181.03	(*)	4.51	4.44	4.17	4.21
2812	Alkalies and chlorine	-	203.39	187.03	181.46	188.75	-	4.55	4.38	4.22	4.28
2818	Industrial organic chemicals, n e c.	-	210.49	200.40	182.65	191.80	-	4.85	4.76	4.38	4.45
2819	Industrial inorganic chemicals, n e c.	-	178.88	172.53	164.81	171.75	-	4.30	4.26	4.01	4.07
282	Plastics materials and synthetics	(*)	170.09	161.41	152.81	160.27	(*)	3.91	3.88	3.70	3.71
2821	Plastics materials and resins	-	184.31	176.78	163.80	172.22	-	4.17	4.14	3.90	3.95
2823,4	Synthetic fibers	-	156.16	146.93	139.32	147.15	-	3.64	3.61	3.44	3.43
283	Drugs	(*)	154.71	152.31	145.12	145.16	(*)	3.82	3.77	3.61	3.62
2834	Pharmaceutical preparations	-	149.54	146.77	139.65	139.74	-	3.72	3.66	3.50	3.52
284	Soap, cleaners, and toilet goods	162.72	161.15	159.90	153.26	149.78	3.94	3.94	3.90	3.72	3.68
2841	Soap and other detergents	-	199.48	199.86	192.92	189.81	-	4.83	4.77	4.55	4.53
2844	Toilet preparations	-	132.28	130.82	126.98	123.32	-	3.25	3.23	3.12	3.06
285	Paints and allied products	151.81	151.78	151.29	141.10	143.67	3.73	3.72	3.69	3.51	3.53
287	Agricultural chemicals	(*)	141.28	140.27	129.47	131.11	(*)	3.38	3.38	3.15	3.19
2871,2	Fertilizers, complete & mixing only	-	135.34	133.31	125.70	128.02	-	3.23	3.22	3.00	3.07
286,9	Other chemical products	156.04	158.76	155.29	146.14	146.78	3.76	3.78	3.76	3.53	3.52
2892	Explosives	-	163.88	159.92	150.06	150.33	-	3.93	3.91	3.66	3.64
29	PETROLEUM AND COAL PRODUCTS ...	194.79	198.56	195.53	187.06	187.92	4.66	4.65	4.59	4.32	4.33
291	Petroleum refining	(*)	206.36	201.96	193.91	194.79	(*)	4.89	4.82	4.52	4.53
295,9	Other petroleum and coal products	(*)	173.55	172.93	165.23	164.33	(*)	3.90	3.86	3.68	3.66
30	RUBBER AND PLASTICS PRODUCTS, N E C	140.76	141.29	139.04	129.28	132.03	3.45	3.48	3.45	3.24	3.26
301	Tires and inner tubes	(*)	201.07	197.77	176.31	187.74	(*)	4.72	4.72	4.43	4.47
302,3,6	Other rubber products	(*)	133.67	129.82	124.66	127.35	(*)	3.35	3.27	3.14	3.16
302	Rubber footwear	-	106.86	106.86	108.23	105.15	-	2.79	2.79	2.74	2.71
307	Miscellaneous plastics products	(*)	121.81	121.10	115.89	115.60	(*)	3.03	3.02	2.89	2.89
31	LEATHER AND LEATHER PRODUCTS ...	99.15	96.57	97.38	92.00	90.50	2.63	2.61	2.59	2.50	2.50
311	Leather tanning and finishing	134.06	132.07	127.47	124.57	119.74	3.31	3.31	3.26	3.13	3.11
314	Footwear, except rubber	95.74	93.22	94.75	87.97	87.24	2.56	2.54	2.52	2.43	2.43
312,3,5-7,5	Other leather products	96.51	93.98	93.36	91.76	89.78	2.56	2.54	2.53	2.46	2.48
316	Luggage	-	97.28	95.93	90.11	89.36	-	2.68	2.65	2.51	2.59
317	Handbags and personal leather goods	-	93.12	91.75	92.30	88.80	-	2.51	2.50	2.41	2.40
	TRANSPORTATION AND PUBLIC UTILITIES	176.66	177.10	172.98	159.18	160.36	4.33	4.33	4.25	3.94	3.94
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	-	(*)	187.46	170.87	174.49	-	(*)	4.38	3.91	3.93
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation	-	152.57	155.86	148.33	147.48	-	3.65	3.65	3.49	3.47
413	Intercity highway transportation	-	176.20	185.32	169.74	177.19	-	4.34	4.34	4.11	4.14
42	TRUCKING AND WAREHOUSING	-	188.13	189.57	165.60	164.79	-	4.49	4.45	4.00	3.99
421,3	Trucking and trucking terminals	-	192.82	193.88	169.73	167.67	-	4.58	4.53	4.08	4.05
422	Public warehousing	-	132.14	133.00	119.34	124.97	-	3.32	3.35	3.06	3.14
46	PIPE LINE TRANSPORTATION	-	199.75	202.37	190.39	192.70	-	4.86	4.90	4.61	4.61
48	COMMUNICATION	-	154.48	144.67	136.50	140.75	-	3.91	3.70	3.50	3.51
481	Telephone communication	-	153.24	141.90	134.11	139.04	-	3.86	3.62	3.43	3.45
4817	Switchboard operating employees ³	-	110.66	103.55	100.86	105.25	-	3.18	2.95	2.89	2.86
4818	Line construction employees ⁴	-	217.62	205.66	185.24	195.22	-	4.68	4.53	4.21	4.30
482	Telegraph communication ⁵	-	(*)	(*)	158.38	161.50	-	(*)	(*)	3.78	3.80
483	Radio and television broadcasting	-	164.64	162.01	151.64	151.29	-	4.31	4.23	3.98	3.95

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	37.5	37.7	37.7	37.5	37.7	-	2.8	2.8	2.8	3.0
271	Newspapers.....	(*)	35.5	35.4	35.4	35.9	-	2.4	2.3	2.5	2.8
272	Periodicals.....	-	39.9	40.1	40.4	40.4	-	4.2	3.5	4.3	4.5
273	Books	-	39.8	39.8	38.2	37.9	-	3.2	3.4	2.2	2.5
275	Commercial printing	(*)	38.5	38.5	38.3	38.7	-	3.3	3.1	3.3	3.4
2751	Commercial printing, ex. lithographic	-	38.7	38.5	38.3	38.4	-	3.4	3.0	3.2	3.3
2752	Commercial printing, lithographic	-	38.6	38.8	38.5	39.2	-	3.3	3.4	3.5	3.7
278	Blankbooks and bookbinding.....	(*)	38.4	38.4	37.7	37.3	-	2.0	2.1	2.0	1.9
274,6,7,9	Other publishing & printing ind.....	(*)	37.6	37.7	37.4	37.5	-	2.0	2.4	2.1	2.4
	CHEMICALS AND ALLIED PRODUCTS..	41.2	42.2	41.3	41.3	42.0	-	3.6	3.1	3.0	3.6
281	Industrial chemicals	(*)	42.8	41.7	42.0	43.0	-	4.4	3.5	3.5	4.5
2812	Alkalies and chlorine	-	44.7	42.7	43.0	44.1	-	-	-	-	-
2818	Industrial organic chemicals, n e c	-	43.4	42.1	41.7	43.1	-	4.3	3.2	2.8	4.2
2819	Industrial inorganic chemicals, n e c	-	41.6	40.5	41.1	42.2	-	3.7	3.0	3.3	4.5
282	Plastics materials and synthetics	(*)	43.5	41.6	41.3	43.2	-	3.6	2.9	2.6	3.4
2821	Plastics materials and resins	-	44.2	42.7	42.0	43.6	-	4.9	4.3	3.7	4.4
2823,4	Synthetic fibers.....	-	42.9	40.7	40.5	42.9	-	2.6	1.8	1.7	2.5
283	Drugs	(*)	40.5	40.4	40.2	40.1	-	2.6	2.4	1.9	2.3
2834	Pharmaceutical preparations	-	40.2	40.1	39.9	39.7	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	41.3	40.9	41.0	41.2	40.7	-	3.2	3.0	3.5	3.1
2841	Soap and other detergents	-	41.3	41.9	42.4	41.9	-	-	-	-	-
2844	Toilet preparations	-	40.7	40.5	40.7	40.3	-	-	-	-	-
285	Paints and allied products.....	40.7	40.8	41.0	40.2	40.7	-	3.0	3.1	2.5	3.2
287	Agricultural chemicals.....	(*)	41.8	41.5	41.1	41.1	-	3.9	3.4	3.6	3.9
2871,2	Fertilizers, complete & mixing only..	-	41.9	41.4	41.9	41.7	-	-	-	-	-
286,9	Other chemical products	41.5	42.0	41.3	41.4	41.7	-	3.5	3.1	3.0	3.3
2892	Explosives	-	41.7	40.9	41.0	41.3	-	-	-	-	-
	PETROLEUM AND COAL PRODUCTS.....	41.8	42.7	42.6	43.3	43.4	-	3.9	3.7	4.6	4.2
291	Petroleum refining.....	(*)	42.2	41.9	42.9	43.0	-	3.0	2.7	3.8	3.2
295,9	Other petroleum and coal products.....	(*)	44.5	44.8	44.9	44.9	-	7.0	7.0	7.3	7.4
	RUBBER AND PLASTICS PRODUCTS, NEC..	40.8	40.6	40.3	39.9	40.5	-	3.6	3.4	3.2	3.6
301	Tires and inner tubes	(*)	42.6	41.9	39.8	42.0	-	5.1	4.7	4.2	5.5
302,3,6	Other rubber products	(*)	39.9	39.7	39.7	40.3	-	2.9	2.7	2.5	3.0
302	Rubber footwear	-	38.3	38.3	39.5	38.8	-	2.0	2.2	2.5	2.1
307	Miscellaneous plastics products	(*)	40.2	40.1	40.1	40.0	-	3.5	3.4	3.2	3.3
31	LEATHER AND LEATHER PRODUCTS.....	37.7	37.0	37.6	36.8	36.2	-	1.8	1.7	1.6	1.3
311	Leather tanning and finishing.....	40.5	39.9	39.1	39.8	38.5	-	2.9	2.7	3.3	2.8
314	Footwear, except rubber.....	37.4	36.7	37.6	36.2	35.9	-	1.7	1.7	1.3	1.1
312,3,5-7,9	Other leather products	37.7	37.0	36.9	37.3	36.2	-	1.9	1.6	1.9	1.5
316	Luggage	-	36.3	36.2	35.9	34.5	-	1.6	1.6	1.5	.7
317	Handbags and personal leather goods..	-	37.1	36.7	38.3	37.0	-	2.0	1.3	2.6	2.1
	TRANSPORTATION AND PUBLIC UTILITIES.....	40.8	40.9	40.7	40.4	40.7	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class 1 railroads ²	-	(*)	42.8	43.7	44.4	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation	-	41.8	42.7	42.5	42.5	-	-	-	-	-
413	Intercity highway transportation	-	40.6	42.7	41.3	42.8	-	-	-	-	-
	TRUCKING AND WAREHOUSING	-	41.9	42.6	41.4	41.3	-	-	-	-	-
421,3	Trucking and trucking terminals	-	42.1	42.8	41.6	41.4	-	-	-	-	-
422	Public warehousing	-	39.8	39.7	39.0	39.8	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	41.1	41.3	41.3	41.8	-	-	-	-	-
	COMMUNICATION	-	39.6	39.1	39.0	40.1	-	-	-	-	-
481	Telephone communication	-	39.7	39.2	39.1	40.3	-	-	-	-	-
4817	Switchboard operating employees ³	-	34.8	35.1	34.9	36.8	-	-	-	-	-
4818	Line construction employees ⁴	-	46.5	45.4	44.0	45.4	-	-	-	-	-
482	Telegraph communication ⁵	-	(*)	(*)	41.9	42.5	-	-	-	-	-
483	Radio and television broadcasting.....	-	38.2	38.3	38.1	38.3	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Oct. 1971 ^p	Sept. 1971 ^p	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 ^p	Sept. 1971 ^p	Aug. 1971	Oct. 1970	Sept. 1970	
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued											
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	\$189.24	\$185.81	\$176.39	\$175.13	-	\$4.56	\$4.51	\$4.23	\$4.22	
491	Electric companies and systems	-	195.72	192.70	179.74	178.04	-	4.66	4.61	4.30	4.29	
492	Gas companies and systems	-	167.26	165.63	161.87	159.03	-	4.14	4.11	3.91	3.86	
493	Combination companies and systems	-	206.82	201.14	191.82	190.03	-	5.02	4.93	4.60	4.59	
494-7	Water, steam, & sanitary systems	-	162.64	158.72	150.84	151.86	-	3.80	3.77	3.60	3.59	
-	WHOLESALE AND RETAIL TRADE.....	\$101.50	102.08	103.68	96.60	97.08	\$2.90	2.90	2.88	2.76	2.75	
50	WHOLESALE TRADE	147.66	147.68	147.63	139.25	138.16	3.71	3.72	3.70	3.49	3.48	
501	Motor vehicles & automotive equipment	-	138.11	137.20	129.44	128.08	-	3.47	3.43	3.22	3.21	
502	Drugs, chemicals, and allied products	-	149.77	149.00	142.74	142.69	-	3.86	3.85	3.66	3.64	
503	Dry goods and apparel	-	135.77	135.74	127.97	127.28	-	3.64	3.61	3.44	3.44	
504	Groceries and related products	-	141.29	140.80	131.86	132.51	-	3.55	3.52	3.28	3.28	
506	Electrical goods	-	150.55	145.96	140.22	135.32	-	3.69	3.56	3.42	3.40	
507	Hardware; plumbing & heating equipment	-	144.00	144.36	134.46	132.53	-	3.60	3.60	3.37	3.33	
508	Machinery, equipment, and supplies	-	163.61	164.42	154.25	151.81	-	4.02	4.03	3.79	3.73	
509	Miscellaneous wholesalers	-	148.96	149.31	139.55	139.55	-	3.80	3.78	3.56	3.56	
52-59	RETAIL TRADE.....	87.10	87.88	89.18	83.08	83.82	2.60	2.60	2.57	2.48	2.48	
53	Retail general merchandise	-	80.57	82.17	77.20	78.57	-	2.51	2.49	2.42	2.44	
531	Department stores	-	84.69	86.13	80.13	82.68	-	2.68	2.65	2.56	2.60	
532	Mail order houses	-	100.64	104.56	94.74	97.66	-	2.72	2.73	2.54	2.57	
533	Variety stores	-	60.60	61.38	58.48	58.87	-	2.00	1.98	1.93	1.93	
54	Food stores	-	96.17	98.45	88.32	91.41	-	2.95	2.93	2.76	2.77	
541-3	Grocery, meat, and vegetable stores	-	99.00	101.02	90.16	93.57	-	3.00	2.98	2.80	2.81	
56	Apparel and accessory stores	-	76.00	76.70	72.91	73.37	-	2.39	2.36	2.30	2.30	
561	Men's & boys' clothing & furnishings	-	90.79	92.21	88.70	89.23	-	2.71	2.72	2.64	2.64	
562	Women's ready-to-wear stores	-	68.02	68.20	65.06	64.78	-	2.23	2.20	2.14	2.11	
565	Family clothing stores	-	75.02	76.21	69.76	69.68	-	2.20	2.19	2.07	2.08	
566	Shoe stores	-	76.88	78.33	73.61	76.55	-	2.48	2.41	2.39	2.43	
57	Furniture and home furnishings stores	-	115.94	117.18	110.63	110.26	-	3.10	3.10	2.99	2.98	
571	Furniture and home furnishings	-	114.64	116.18	109.96	109.96	-	3.09	3.09	2.98	2.98	
58	Eating and drinking places ⁶	-	61.18	63.18	58.21	58.78	-	1.98	1.95	1.89	1.89	
52,55,59	Other retail trade	-	108.86	110.11	102.75	102.65	-	2.88	2.86	2.74	2.73	
52	Building materials and farm equipment	-	122.21	122.70	114.05	113.26	-	3.04	3.00	2.88	2.86	
551,2	Motor vehicle dealers	-	141.80	144.08	133.98	132.59	-	3.51	3.54	3.30	3.29	
553,9	Other automotive & accessory dealers	-	124.74	124.79	113.16	114.40	-	2.97	2.95	2.74	2.75	
591	Drug stores and proprietary stores	-	79.50	82.09	74.97	76.00	-	2.50	2.48	2.38	2.39	
594	Book and stationery stores	-	94.53	95.98	86.32	87.20	-	2.74	2.75	2.60	2.58	
598	Fuel and ice dealers	-	127.05	125.73	125.45	118.81	-	3.37	3.30	3.16	3.07	
-	FINANCE, INSURANCE, AND REAL ESTATE⁷.....	122.76	121.77	123.09	115.18	113.46	3.30	3.30	3.30	3.13	3.10	
60	Banking	-	107.38	108.62	103.86	103.21	-	2.91	2.92	2.83	2.82	
61	Credit agencies other than banks	-	112.72	115.28	106.13	105.19	-	2.99	3.01	2.83	2.82	
612	Savings and loan associations	-	112.34	114.76	102.95	102.03	-	3.02	3.02	2.79	2.78	
62	Security, commodity brokers & services	-	202.03	201.11	172.89	163.47	-	5.49	5.45	4.66	4.43	
63	Insurance carriers	-	127.70	128.76	123.25	122.54	-	3.47	3.48	3.34	3.33	
631	Life insurance	-	129.23	131.40	125.56	124.49	-	3.57	3.60	3.44	3.42	
632	Accident and health insurance	-	121.03	121.77	114.25	113.40	-	3.28	3.30	3.13	3.15	
633	Fire, marine, and casualty insurance	-	127.57	128.25	123.42	123.42	-	3.42	3.42	3.30	3.30	
-	SERVICES.....	103.97	103.97	103.75	98.50	98.78	3.04	3.04	2.99	2.88	2.88	
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶	-	72.24	74.05	69.14	68.80	-	2.15	2.08	2.01	2.00	
721	Laundries and dry cleaning plants	-	82.84	82.72	78.90	79.30	-	2.34	2.33	2.21	2.24	
722	Photographic studios	-	97.43	101.03	91.51	89.09	-	2.76	2.83	2.46	2.56	
781	Motion pictures: Motion picture filming & distributing	-	191.52	189.88	187.07	184.47	-	5.08	5.05	4.76	4.73	
806	Hospitals	-	102.94	104.05	97.13	97.70	-	3.01	2.99	2.84	2.84	

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970	Oct. 1971 P	Sept. 1971 P	Aug. 1971	Oct. 1970	Sept. 1970
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	41.5	41.2	41.7	41.5	-	-	-	-	-
491	Electric companies and systems.....	-	42.0	41.8	41.8	41.5	-	-	-	-	-
492	Gas companies and systems.....	-	40.4	40.3	41.4	41.2	-	-	-	-	-
493	Combination companies and systems...	-	41.2	40.8	41.7	41.4	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	42.8	42.1	41.9	42.3	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE.....	35.0	35.2	36.0	35.0	35.3	-	-	-	-	-
50	WHOLESALE TRADE.....	39.8	39.7	39.9	39.9	39.7	-	-	-	-	-
501	Motor vehicles & automotive equipment..	-	39.8	40.0	40.2	39.9	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	38.8	38.7	39.0	39.2	-	-	-	-	-
503	Dry goods and apparel.....	-	37.3	37.6	37.2	37.0	-	-	-	-	-
504	Groceries and related products.....	-	39.8	40.0	40.2	40.4	-	-	-	-	-
506	Electrical goods.....	-	40.8	41.0	41.0	39.8	-	-	-	-	-
507	Hardware; plumbing & heating equipment	-	40.0	40.1	39.9	39.8	-	-	-	-	-
508	Machinery, equipment, and supplies.....	-	40.7	40.8	40.7	40.7	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.2	39.5	39.2	39.2	-	-	-	-	-
52-59	RETAIL TRADE.....	33.5	33.8	34.7	33.5	33.8	-	-	-	-	-
53	Retail general merchandise.....	-	32.1	33.0	31.9	32.2	-	-	-	-	-
531	Department stores.....	-	31.6	32.5	31.3	31.8	-	-	-	-	-
532	Mail order houses.....	-	37.0	38.3	37.3	38.0	-	-	-	-	-
533	Variety stores.....	-	30.3	31.0	30.3	30.5	-	-	-	-	-
54	Food stores.....	-	32.6	33.6	32.0	33.0	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores...	-	33.0	33.9	32.2	33.3	-	-	-	-	-
56	Apparel and accessory stores.....	-	31.8	32.5	31.7	31.9	-	-	-	-	-
561	Men's & boys' clothing & furnishings..	-	33.5	33.9	33.6	33.8	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	30.5	31.0	30.4	30.7	-	-	-	-	-
565	Family clothing stores.....	-	34.1	34.8	33.7	33.5	-	-	-	-	-
566	Shoe stores.....	-	31.0	32.5	30.8	31.5	-	-	-	-	-
57	Furniture and home furnishings stores..	-	37.4	37.8	37.0	37.0	-	-	-	-	-
571	Furniture and home furnishings.....	-	37.1	37.6	36.9	36.9	-	-	-	-	-
58	Eating and drinking places ⁶	-	30.9	32.4	30.8	31.1	-	-	-	-	-
52,55,59	Other retail trade.....	-	37.8	38.5	37.5	37.6	-	-	-	-	-
52	Building materials and farm equipment	-	40.2	40.9	39.6	39.6	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	40.4	40.7	40.6	40.3	-	-	-	-	-
553,9	Other automotive & accessory dealers..	-	42.0	42.3	41.3	41.6	-	-	-	-	-
591	Drug stores and proprietary stores...	-	31.8	33.1	31.5	31.8	-	-	-	-	-
594	Book and stationery stores.....	-	34.5	34.9	33.2	33.8	-	-	-	-	-
598	Fuel and ice dealers.....	-	37.7	38.1	39.7	38.7	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷.....	37.2	36.9	37.3	36.8	36.6	-	-	-	-	-
60	Banking.....	-	36.9	37.2	36.7	36.6	-	-	-	-	-
61	Credit agencies other than banks.....	-	37.7	38.3	37.5	37.3	-	-	-	-	-
612	Savings and loan associations.....	-	37.2	38.0	36.9	36.7	-	-	-	-	-
62	Security, commodity brokers & services..	-	36.8	36.9	37.1	36.9	-	-	-	-	-
63	Insurance carriers.....	-	36.8	37.0	36.9	36.8	-	-	-	-	-
631	Life insurance.....	-	36.2	36.5	36.5	36.4	-	-	-	-	-
632	Accident and health insurance.....	-	36.9	36.9	36.5	36.0	-	-	-	-	-
633	Fire, marine, and casualty insurance..	-	37.3	37.5	37.4	37.4	-	-	-	-	-
-	SERVICES.....	34.2	34.2	34.7	34.2	34.3	-	-	-	-	-
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶ ...	-	33.6	35.6	34.4	34.4	-	-	-	-	-
	Personal Services:										
721	Laundries & dry cleaning plants.....	-	35.4	35.5	35.7	35.4	-	-	-	-	-
722	Photographic studios.....	-	35.3	35.7	37.2	34.8	-	-	-	-	-
	Motion pictures:										
781	Motion picture filming & distributing..	-	37.7	37.6	39.3	39.0	-	-	-	-	-
806	Hospitals.....	-	34.2	34.8	34.2	34.4	-	-	-	-	-

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

² Beginning January 1968, 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.

⁸ Not available.

p-preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

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

Item	1971						1970						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
EXECUTIVE BRANCH													
Total employment	2,634.5	2,620.7	2,622.9	2,610.8	2,608.4	2,602.2	2,656.6	2,611.1	2,606.6	2,611.9	2,637.4	2,662.9	2,672.7
Average weekly hours	39.2	39.2	39.2	39.3	39.5	39.3	42.9	39.7	39.6	39.4	39.2	39.3	38.9
Average overtime hours . . . . .	.8	.9	.8	.8	.8	.9	3.8	.9	1.0	.9	.9	.8	.8
Indexes (1967=100):													
Average weekly earnings	138.8	139.6	139.0	139.5	139.8	138.8	149.5	134.8	133.1	131.9	128.8	127.0	127.3
Average hourly earnings	139.5	140.3	139.7	139.1	139.5	139.2	137.3	133.8	132.4	131.9	129.5	127.3	128.9
DEPARTMENT OF DEFENSE													
Total employment	999.7	999.7	1,001.5	1,000.5	998.9	999.9	1,003.8	1,006.8	1,009.1	1,013.4	1,021.9	1,034.5	1,044.7
Average weekly hours	39.8	39.9	39.8	40.1	40.1	40.0	40.0	40.2	40.2	39.9	40.0	39.9	39.3
Average overtime hours . . . . .	.9	.9	.7	.8	.8	.8	.8	.8	.8	.8	.7	.7	.8
Indexes (1967=100):													
Average weekly earnings	139.9	141.1	140.7	141.3	141.5	140.1	136.8	135.1	132.4	131.4	128.5	127.9	129.4
Average hourly earnings	141.7	142.5	142.5	142.0	142.2	141.1	137.9	135.4	132.7	132.7	129.4	129.2	132.7
POSTAL SERVICE													
Total employment	714.1	715.7	718.2	718.0	718.7	720.6	776.8	725.0	718.0	718.7	723.5	726.8	723.9
Average weekly hours	38.4	38.5	38.5	38.3	39.2	38.8	51.3	39.5	39.1	38.9	38.8	38.5	38.7
Average overtime hours . . . . .	.7	.9	.9	.7	.8	1.1	11.4	1.2	1.5	.9	.9	.7	.9
Indexes (1967=100):													
Average weekly earnings	135.0	135.9	135.6	134.6	137.8	136.1	195.7	136.3	135.6	133.7	132.7	121.6	123.2
Average hourly earnings	135.7	136.3	136.0	135.7	135.7	135.4	147.3	133.2	133.8	132.6	132.0	122.0	122.9
OTHER AGENCIES													
Total employment	920.7	905.3	903.2	892.3	890.8	881.7	876.0	879.3	879.5	879.8	892.0	901.6	904.1
Average weekly hours	39.1	39.1	39.2	39.2	39.2	39.1	39.1	39.2	39.2	39.2	38.5	39.2	38.6
Average overtime hours . . . . .	.9	.9	.8	.8	.8	.8	.8	.9	1.0	1.1	.9	1.0	.9
Indexes (1967=100):													
Average weekly earnings	141.4	142.4	141.5	141.5	142.3	141.9	134.4	135.0	133.5	133.0	127.7	131.0	129.5
Average hourly earnings	140.3	141.3	140.1	140.1	140.8	140.8	133.4	133.7	132.2	131.7	128.7	129.7	130.2

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

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

Major industry group	Average hourly earnings excluding overtime ¹						
	Oct. 1971	P	Sept. 1971	P	Aug. 1971	Oct. 1970	Sept. 1970
MANUFACTURING	\$3.46		\$3.46		\$3.43	\$3.25	\$3.29
DURABLE GOODS	3.69		3.69		3.66	3.44	3.49
Ordnance and accessories	-		3.78		3.76	3.58	3.56
Lumber and wood products	-		3.06		3.05	2.92	2.93
Furniture and fixtures	-		2.84		2.83	2.71	2.72
Stone, clay, and glass products	-		3.54		3.53	3.30	3.28
Primary metal industries	-		4.18		4.15	3.86	3.91
Fabricated metal products	-		3.64		3.62	3.40	3.46
Machinery, except electrical	-		3.91		3.89	3.69	3.68
Electrical equipment and supplies	-		3.42		3.41	3.22	3.24
Transportation equipment	-		4.24		4.23	3.86	3.96
Instruments and related products	-		3.48		3.45	3.32	3.32
Miscellaneous manufacturing industries	-		2.87		2.86	2.76	2.77
NONDURABLE GOODS	3.16		3.17		3.15	3.01	3.02
Food and kindred products	-		3.19		3.18	3.04	3.03
Tobacco manufactures	-		2.94		3.09	2.74	2.80
Textile mill products	-		2.46		2.46	2.40	2.37
Apparel and other textile products	-		2.48		2.45	2.38	2.40
Paper and allied products	-		3.55		3.52	3.33	3.35
Printing and publishing	-		(2)		(2)	(2)	(2)
Chemicals and allied products	-		3.86		3.84	3.64	3.63
Petroleum and coal products	-		4.45		4.40	4.10	4.13
Rubber and plastics products, n e c	-		3.33		3.31	3.12	3.13
Leather and leather products	-		2.55		2.53	2.45	2.46

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

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

p = preliminary.

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

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	Sept. 1971 p	Aug. 1971	Sept. 1970	Sept. 1971 p	Aug. 1971	Sept. 1970	Sept. 1971 p	Aug. 1971	Sept. 1970
TOTAL PRIVATE:									
Current dollars	\$ 129.13	\$ 129.03	\$ 121.73	\$ 104.33	\$ 104.26	\$ 97.64	\$ 112.98	\$ 112.90	\$ 106.40
1967 dollars	105.50	105.59	103.60	85.24	85.32	83.10	92.30	92.39	90.55
MINING:									
Current dollars	173.47	173.43	164.55	138.79	138.76	129.78	149.19	149.15	140.62
1967 dollars	141.72	141.92	140.04	113.39	113.55	110.45	121.89	122.05	119.68
CONTRACT CONSTRUCTION:									
Current dollars	216.23	220.23	194.76	172.41	175.54	152.65	184.88	188.22	165.49
1967 dollars	176.66	180.22	165.75	140.86	143.65	129.91	151.05	154.03	140.84
MANUFACTURING:									
Current dollars	143.64	141.69	135.43	115.44	113.95	107.90	124.59	123.03	117.25
1967 dollars	117.35	115.95	115.26	94.31	93.25	91.83	101.79	100.68	99.79
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	177.10	172.98	160.36	141.66	138.40	126.56	152.22	148.78	137.17
1967 dollars	144.69	141.55	136.47	115.74	113.26	107.71	124.36	121.75	116.74
WHOLESALE AND RETAIL TRADE:									
Current dollars	102.08	103.68	97.08	84.05	85.24	79.12	91.87	93.13	87.00
1967 dollars	83.40	84.84	82.62	68.67	69.75	67.34	75.06	76.21	74.04
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	121.77	123.09	113.46	98.70	99.71	91.44	107.20	108.23	99.85
1967 dollars	99.49	100.73	96.56	80.64	81.60	77.82	87.58	88.57	84.98
SERVICES:									
Current dollars	103.97	103.75	98.78	85.46	85.29	80.44	93.36	93.19	88.34
1967 dollars	84.94	84.90	84.07	69.82	69.80	68.46	76.27	76.26	75.18
CONSUMER PRICE INDEX (All items, 1967 = 100).....	122.4	122.2	117.5	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

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

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1967 = 100

Industry division and group	Oct. 1971 p	Sept. 1971 p	Aug. 1971	Oct. 1970	Sept. 1970
	Man-hours				
TOTAL	104.4	104.4	105.1	102.8	104.1
GOODS-PRODUCING	95.8	96.1	95.5	94.9	98.0
MINING	80.8	98.5	100.0	101.5	101.0
CONTRACT CONSTRUCTION	108.7	105.3	110.8	107.3	104.2
MANUFACTURING	94.0	94.4	92.7	92.4	96.9
DURABLE GOODS	90.4	89.7	87.3	87.9	94.3
Ordnance and accessories	52.7	53.6	53.4	65.3	68.4
Lumber and wood products	101.4	100.6	101.1	93.0	94.9
Furniture and fixtures	104.5	102.2	100.8	99.8	97.7
Stone, clay, and glass products	103.9	103.4	104.2	100.6	103.0
Primary metal industries	83.5	83.8	80.6	89.9	98.5
Fabricated metal products	94.8	94.6	93.4	93.1	98.8
Machinery, except electrical	81.7	81.8	79.3	85.4	88.5
Electrical equipment	90.6	90.5	88.1	92.4	94.1
Transportation equipment	91.0	88.2	82.4	70.5	92.5
Instruments and related products	89.7	89.9	87.6	91.6	92.7
Miscellaneous manufacturing	100.1	98.0	96.6	98.4	97.5
NONDURABLE GOODS	99.3	101.2	100.6	99.1	100.6
Food and kindred products	102.6	111.2	109.2	105.0	109.8
Tobacco manufactures	85.8	93.3	84.1	108.0	105.0
Textile mill products	100.2	98.7	99.3	96.9	96.2
Apparel and other textile products	96.3	95.6	96.6	93.9	92.9
Paper and allied products	98.7	100.0	99.5	99.1	100.7
Printing and publishing	98.3	98.2	97.5	100.1	101.0
Chemicals and allied products	96.7	99.5	97.7	99.8	102.5
Petroleum and coal products	99.9	103.6	104.2	102.2	103.0
Rubber and plastics products, nec	114.9	114.1	110.5	105.7	109.9
Leather and leather products	85.5	83.0	86.8	85.1	84.2
SERVICE-PRODUCING	110.3	110.2	111.7	108.3	108.4
TRANSPORTATION AND PUBLIC UTILITIES	104.4	106.1	105.3	105.5	107.4
WHOLESALE AND RETAIL TRADE	107.7	107.3	109.3	105.6	105.4
WHOLESALE TRADE	108.6	107.2	108.3	107.9	106.9
RETAIL TRADE	107.4	107.4	109.7	104.8	104.8
FINANCE, INSURANCE, AND REAL ESTATE	117.4	116.7	119.5	113.0	112.7
SERVICES	114.4	114.1	115.6	111.9	111.7

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

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

1967 = 100

Industry division and group	Oct. 1971	Sept. 1971	Aug. 1971	Oct. 1970	Sept. 1970
	P	P			
	Payrolls				
TOTAL	135.7	135.9	135.3	125.9	127.8
GOODS-PRODUCING	126.0	126.2	124.7	116.9	121.1
MINING	99.6	128.1	128.7	124.9	123.2
CONTRACT CONSTRUCTION	155.5	150.0	155.0	142.0	136.2
MANUFACTURING	119.4	120.0	116.8	110.2	117.1
DURABLE GOODS	115.0	114.2	110.2	104.1	113.8
Ordnance and accessories	64.9	65.7	65.1	75.3	78.4
Lumber and wood products	137.4	136.3	136.5	119.5	122.0
Furniture and fixtures	131.3	129.4	127.2	120.1	117.6
Stone, clay, and glass products	138.0	137.4	138.0	123.9	126.1
Primary metal industries	107.2	108.5	103.5	107.4	120.0
Fabricated metal products	120.4	119.8	117.5	110.4	119.5
Machinery, except electrical	103.9	103.8	100.0	102.0	105.5
Electrical equipment	115.0	114.9	111.3	110.6	113.0
Transportation equipment	116.9	113.1	104.9	82.0	111.4
Instruments and related products	112.4	112.7	109.2	109.6	111.0
Miscellaneous manufacturing	126.4	123.6	121.1	119.4	117.9
NONDURABLE GOODS	127.0	130.0	128.0	120.5	122.9
Food and kindred products	131.0	141.8	138.4	127.0	133.2
Tobacco manufactures	114.1	124.8	118.4	134.3	133.2
Textile mill products	126.2	124.1	124.3	117.7	115.0
Apparel and other textile products	119.3	119.1	118.9	111.9	111.6
Paper and allied products	128.3	131.0	129.1	121.1	124.2
Printing and publishing	127.0	128.0	125.9	122.5	123.6
Chemicals and allied products	124.8	129.1	125.5	121.2	125.1
Petroleum and coal products	130.2	134.7	133.6	123.4	124.7
Rubber and plastics products, nec	144.5	144.4	138.8	124.8	130.5
Leather and leather products	108.7	104.8	108.6	102.9	101.8
SERVICE-PRODUCING	144.1	144.3	144.3	133.6	133.6
TRANSPORTATION AND PUBLIC UTILITIES	139.8	142.0	138.4	128.5	130.8
WHOLESALE AND RETAIL TRADE	139.2	138.9	140.1	129.9	129.3
WHOLESALE TRADE	140.2	138.7	139.3	130.9	129.3
RETAIL TRADE	138.7	139.0	140.6	129.3	129.4
FINANCE, INSURANCE, AND REAL ESTATE	149.7	149.2	152.9	136.9	135.3
SERVICES	151.7	151.4	151.1	140.8	140.5

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

ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS

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

Industry	1971										1970		
	Oct. P	Sept. P	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
TOTAL PRIVATE	37.1	36.7	36.9	36.9	37.1	36.9	37.0	37.0	37.0	36.9	37.0	36.9	36.9
MINING	42.7	41.7	42.0	42.2	42.3	42.4	42.2	42.8	42.6	42.9	42.8	42.7	42.7
CONTRACT CONSTRUCTION	37.8	35.7	37.1	37.1	37.2	36.8	37.1	37.8	36.8	37.6	37.7	37.2	37.0
MANUFACTURING	39.7	39.6	39.8	40.0	40.0	40.0	39.8	39.8	39.8	39.8	39.5	39.6	39.4
<i>Overtime hours</i>	2.9	2.8	2.9	3.0	2.9	3.0	2.9	2.9	2.8	2.8	2.7	2.7	2.8
DURABLE GOODS	40.2	39.8	40.0	40.4	40.6	40.5	40.3	40.4	40.3	40.3	40.0	40.0	39.9
<i>Overtime hours</i>	2.7	2.7	2.8	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.6	2.5	2.6
Ordnance and accessories	41.4	41.4	41.9	41.9	41.6	41.5	41.5	41.9	41.4	41.1	40.7	40.4	40.2
Lumber and wood products	40.7	40.1	40.2	40.5	40.4	39.8	40.1	39.9	39.8	39.8	39.7	39.8	39.3
Furniture and fixtures	39.6	39.4	39.9	40.1	39.9	39.9	39.5	39.7	39.6	39.5	39.5	39.3	39.2
Stone, clay, and glass products	42.0	41.4	41.8	41.8	42.0	41.4	41.1	41.7	41.3	41.2	41.3	41.1	41.0
Primary metal industries	40.1	39.7	38.8	40.6	41.0	41.0	41.0	40.8	40.6	40.3	39.9	39.6	39.9
Fabricated metal products	40.2	39.4	40.2	40.7	40.6	40.7	40.1	40.3	40.4	40.4	40.2	40.1	40.2
Machinery, except electrical	40.8	40.7	40.8	40.7	40.7	40.5	40.0	40.2	40.1	40.2	40.3	40.6	40.4
Electrical equipment and supplies	40.2	39.6	40.0	40.1	39.9	39.9	39.8	39.7	39.7	39.7	39.7	39.7	39.7
Transportation equipment	39.7	38.9	39.9	39.5	41.4	41.1	40.6	41.7	41.5	41.3	40.2	40.0	39.9
Instruments and related products	39.8	39.7	39.8	39.8	39.7	40.0	39.7	39.7	39.7	39.8	39.6	39.9	39.8
Miscellaneous manufacturing industries	39.0	38.8	39.2	39.2	38.7	38.9	38.6	38.8	38.4	38.6	38.7	38.5	38.4
NONDURABLE GOODS	39.2	39.1	39.3	39.3	39.3	39.4	39.2	39.1	39.1	39.2	39.0	39.0	38.9
<i>Overtime hours</i>	2.9	3.0	3.1	3.0	3.1	3.0	2.9	2.9	2.9	2.9	2.7	2.8	2.8
Food and kindred products	40.0	40.7	40.5	40.5	40.4	40.5	40.5	40.5	40.7	40.7	40.5	40.4	40.5
Tobacco manufactures	35.2	36.5	37.1	39.6	36.2	38.3	37.5	38.0	36.1	39.1	39.3	38.4	38.0
Textile mill products	41.0	40.3	40.7	40.3	40.8	40.8	40.4	40.3	40.2	40.4	39.7	39.7	39.6
Apparel and other textile products	35.7	35.4	35.7	35.8	35.4	35.5	35.1	35.2	35.0	35.2	35.3	35.3	35.0
Paper and allied products	41.8	41.9	42.4	42.4	42.3	42.1	42.3	41.9	41.8	41.7	41.4	41.7	41.6
Printing and publishing	37.4	37.4	37.5	37.6	37.7	37.7	37.5	37.5	37.4	37.6	37.5	37.5	37.4
Chemicals and allied products	41.2	42.2	41.5	41.4	41.7	41.5	41.7	41.4	41.5	41.5	41.4	41.3	41.3
Petroleum and coal products	41.6	42.8	43.4	42.6	42.3	41.7	41.7	41.9	42.9	42.5	43.3	42.8	43.1
Rubber and plastics products, nec	40.5	40.1	40.1	40.3	40.7	40.4	40.3	40.3	39.9	40.1	39.6	39.5	39.6
Leather and leather products	37.9	37.4	37.6	37.7	37.5	37.8	38.3	37.4	36.9	37.1	37.2	37.1	37.0
TRANSPORTATION AND PUBLIC UTILITIES	40.6	40.7	40.5	38.0	40.7	40.0	40.6	40.6	40.6	39.9	40.3	40.3	40.2
WHOLESALE AND RETAIL TRADE	35.2	35.1	35.1	35.3	35.2	35.1	35.2	35.0	35.1	35.1	35.1	35.2	35.2
WHOLESALE TRADE	39.8	39.7	39.7	39.6	39.9	39.8	39.6	39.7	39.7	39.7	39.8	39.8	39.9
RETAIL TRADE	33.8	33.7	33.6	33.8	33.7	33.7	33.7	33.5	33.6	33.6	33.7	33.7	33.8
FINANCE, INSURANCE, AND REAL ESTATE	37.1	37.0	37.3	37.1	37.0	37.0	36.9	36.9	36.8	36.7	36.7	36.7	36.7
SERVICES	34.3	34.3	34.3	34.4	34.1	34.1	34.1	34.0	34.2	34.2	34.3	34.3	34.3

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

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

Industry division and group	1967 = 100											1970	
	Oct. p	Sept. P	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
TOTAL	103.4	102.9	102.6	102.4	103.1	103.1	102.7	102.5	102.3	102.5	102.4	101.6	101.9
GOODS-PRODUCING	93.4	92.6	92.5	93.2	94.1	94.4	93.7	93.7	93.1	94.2	94.1	92.1	92.6
MINING	80.3	96.8	96.7	94.4	99.0	100.1	99.7	100.9	100.4	101.7	101.3	101.1	100.8
CONTRACT CONSTRUCTION	100.2	94.2	97.1	97.4	98.5	98.3	99.3	100.3	95.1	100.3	101.5	99.9	99.0
MANUFACTURING	92.7	92.1	91.6	92.4	93.1	93.5	92.5	92.4	92.5	92.9	92.6	90.4	91.1
DURABLE GOODS	89.4	88.2	87.7	89.0	90.0	90.2	88.9	88.9	88.9	89.3	89.6	85.7	87.1
Ordnance and accessories	52.4	53.0	54.2	53.6	54.4	56.0	55.4	57.1	58.1	61.1	62.2	63.4	65.3
Lumber and wood products	99.8	97.6	96.9	97.0	95.8	93.6	93.8	93.1	92.7	92.1	91.3	92.5	91.5
Furniture and fixtures	101.2	99.7	98.9	100.7	99.6	98.9	97.1	97.0	96.5	96.6	96.6	96.8	96.6
Stone, clay, and glass products	102.0	99.9	99.9	99.7	100.8	99.9	98.4	98.7	98.1	98.3	98.7	98.0	98.8
Primary metal industries	86.4	84.3	80.3	90.0	93.8	95.3	94.9	93.9	93.0	92.3	90.9	89.5	93.0
Fabricated metal products	93.6	92.4	93.4	94.6	94.1	95.0	93.0	90.4	93.0	93.1	93.0	90.0	91.9
Machinery, except electrical	82.5	82.0	81.2	80.8	80.5	80.6	79.8	80.9	81.4	82.7	84.2	85.6	86.3
Electrical equipment	89.7	88.5	87.9	88.2	88.5	88.9	88.2	87.6	87.9	88.4	89.1	88.4	91.4
Transportation equipment	87.7	86.2	87.8	86.6	90.9	90.8	87.7	90.1	90.5	90.6	87.6	67.8	67.9
Instruments and related products	89.4	89.2	87.7	88.0	87.5	87.8	86.5	86.5	87.5	89.1	89.0	90.3	91.1
Miscellaneous manufacturing	93.3	93.1	93.4	93.4	92.2	92.7	91.7	91.9	91.5	92.0	92.5	90.9	91.8
NONDURABLE GOODS	97.3	97.9	97.3	97.4	97.7	98.3	97.8	97.4	97.3	97.7	97.3	97.3	97.1
Food and kindred products	96.0	100.0	98.3	99.1	98.0	98.8	98.5	98.8	99.4	99.5	99.0	98.7	98.3
Tobacco manufactures	69.2	74.3	73.0	77.9	81.4	87.4	86.9	85.4	83.7	89.3	91.1	90.3	88.1
Textile mill products	99.6	97.6	98.5	97.5	98.4	99.2	97.6	97.3	97.3	98.2	96.2	96.1	96.2
Apparel and other textile products	95.5	94.4	94.6	94.7	94.4	95.9	94.7	94.6	93.4	93.8	94.5	94.2	93.1
Paper and allied products	98.0	98.8	97.9	97.0	97.7	97.0	99.0	97.9	98.2	98.3	97.8	99.1	98.6
Printing and publishing	97.7	97.2	97.2	97.9	99.1	99.1	98.4	98.7	98.9	99.5	99.7	99.6	99.6
Chemicals and allied products	97.1	99.8	97.3	97.9	99.1	99.1	98.9	98.1	98.8	99.1	98.9	99.3	100.2
Petroleum and coal products	98.7	101.5	102.0	100.2	99.5	98.9	98.9	99.4	103.5	100.8	102.7	100.6	100.4
Rubber and plastics products, nec	113.2	111.8	109.1	110.4	111.3	110.2	108.7	108.0	105.2	105.2	103.7	103.4	104.2
Leather and leather products	86.0	84.2	85.6	84.2	85.7	86.8	87.6	84.5	83.7	84.5	84.4	85.2	85.9
SERVICE-PRODUCING	110.3	110.1	109.6	108.7	109.4	109.1	109.0	108.6	108.7	108.3	108.1	108.2	108.3
TRANSPORTATION AND PUBLIC UTILITIES	103.6	104.5	103.3	97.6	105.5	104.1	105.4	105.7	105.8	103.6	103.0	104.5	104.7
WHOLESALE AND RETAIL TRADE	107.9	107.5	107.0	107.0	106.8	106.9	106.4	105.8	105.8	105.7	105.5	105.3	105.9
WHOLESALE TRADE	107.8	106.7	106.4	105.7	106.6	107.4	106.5	106.8	106.4	106.5	106.8	106.6	107.1
RETAIL TRADE	108.0	107.7	107.2	107.4	106.8	106.8	106.4	105.5	105.6	105.4	105.0	104.7	105.4
FINANCE, INSURANCE, AND REAL ESTATE	117.3	116.8	117.1	116.7	116.7	116.1	115.1	114.6	114.2	113.7	113.4	113.2	112.9
SERVICES	114.5	114.3	113.8	114.0	112.7	112.4	112.3	111.8	112.4	112.3	112.5	112.3	112.0

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

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

Industry division	Annual rate, millions of man-hours ²			Percent change ³		
	October 1971 p	September 1971 p	August 1971	September 1971 to October 1971	August 1971 to September 1971	October 1970 to October 1971
TOTAL - ALL INDUSTRIES	138,318	137,895	137,674	3.7	1.9	1.3
TOTAL - PRIVATE	112,068	111,661	111,428	4.5	2.5	1.3
MINING	1,157	1,331	1,330	-81.4	0.9	-16.0
CONTRACT CONSTRUCTION	6,406	6,022	6,210	110.0	-30.9	1.7
MANUFACTURING	38,382	38,287	38,093	3.0	6.3	0.4
TRANSPORTATION AND PUBLIC UTILITIES	9,355	9,431	9,325	-9.3	14.5	-0.7
WHOLESALE AND RETAIL TRADE	27,952	27,864	27,785	3.9	3.5	2.4
FINANCE, INSURANCE, AND REAL ESTATE	7,381	7,348	7,378	5.5	-4.8	4.4
SERVICES	21,435	21,378	21,307	3.2	4.1	2.5
GOVERNMENT	26,250	26,234	26,246	0.7	-0.5	1.3

¹ Data refer to hours paid for all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See BLS Handbook of Methods for Surveys and Studies—Chapter 22. Output Per Man-Hour Measures, Private Economy.

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

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

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

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

(Indexes 1967 = 100)

Year and quarter	Output		Man-hours		Output per man-hour		Compensation per man-hour ¹		Real compensation per man-hour ²		Unit labor costs		Unit nonlabor payments ³		Implicit price deflator	
	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm
1968: 1st quarter	102.6	102.8	100.8	100.9	101.8	101.9	104.4	104.6	102.0	102.2	102.5	102.6	101.5	101.3	102.1	102.1
2d quarter	104.6	104.9	101.8	102.0	102.7	102.9	106.3	106.1	102.7	102.5	103.5	103.1	102.5	102.7	103.1	103.0
3d quarter	105.6	105.9	102.2	102.7	103.3	103.2	108.6	108.0	103.6	103.1	105.1	104.7	102.2	102.6	104.0	103.9
4th quarter	106.3	106.6	102.5	103.0	103.7	103.5	110.9	110.3	104.6	104.1	106.9	106.6	102.2	102.4	105.1	105.0
Annual average	104.8	105.1	101.8	102.1	102.9	102.9	107.6	107.3	103.2	102.9	104.6	104.3	102.0	102.3	103.6	103.5
1969: 1st quarter	107.1	107.2	103.4	104.0	103.6	103.1	112.6	111.9	104.9	104.3	108.7	108.6	102.5	102.4	106.3	106.3
2d quarter	107.5	107.9	104.2	104.9	103.1	102.8	114.4	113.7	104.8	104.2	110.9	110.6	102.6	102.2	107.7	107.4
3d quarter	108.0	108.3	104.5	105.4	103.4	102.7	116.6	115.5	105.4	104.4	112.8	112.5	102.9	102.8	109.0	108.8
4th quarter	107.6	107.8	104.0	105.2	103.4	102.4	118.9	117.5	105.9	104.7	115.0	114.7	102.6	102.2	110.2	110.0
Annual average	107.5	107.8	104.0	104.9	103.4	102.7	115.6	114.7	105.3	104.5	111.9	111.6	102.6	102.3	108.3	108.1
1970: 1st quarter	106.7	107.1	103.7	104.9	103.0	102.1	121.1	119.7	106.3	105.0	117.7	117.2	102.1	101.3	111.6	111.2
2d quarter	106.9	107.2	103.1	104.0	103.7	103.1	122.5	121.5	105.9	105.0	118.1	117.8	104.4	104.0	112.8	112.6
3d quarter	107.3	107.7	102.0	103.1	105.3	104.6	125.3	124.1	107.1	106.0	119.0	118.7	106.4	106.6	114.1	114.1
4th quarter	106.1	106.2	100.8	102.0	105.3	104.1	127.2	125.7	107.2	106.0	120.7	120.7	108.1	108.8	115.9	116.2
Annual average	106.8	107.1	102.4	103.5	104.3	103.5	124.0	122.7	106.6	105.5	118.9	118.6	105.3	105.2	113.6	113.5
1971: 1st quarter	108.3	108.5	101.3	102.5	106.9	105.8	129.9	128.5	108.7	107.5	121.5	121.4	110.3	110.7	117.1	117.4
2d quarter	109.7	109.9	101.7	102.8	107.8	107.0	132.2	131.0	109.5	108.4	122.6	122.4	111.5	112.0	118.3	118.5
3d quarter ^p	110.5	110.3	101.4	102.6	109.0	107.5	134.2	132.7	109.9	108.7	123.2	123.4	113.2	113.6	119.3	119.7
Percent change over previous quarter at annual rate ⁴																
1968: 1st quarter	5.6	6.1	0.9	1.4	4.6	4.7	9.3	9.9	4.9	5.5	4.5	4.9	1.5	0.5	3.3	3.3
2d quarter	7.7	8.6	3.9	4.3	3.7	8.1	7.6	6.2	2.7	1.3	3.8	2.0	3.7	5.7	3.7	3.4
3d quarter	4.2	3.8	1.9	2.7	2.2	1.0	8.9	7.4	3.6	2.2	6.6	6.3	-1.1	-0.4	3.6	3.7
4th quarter	2.7	2.4	1.1	1.2	1.5	1.3	8.8	8.8	3.9	4.0	7.1	7.5	0.2	-0.9	4.4	4.3
1969: 1st quarter	3.0	2.5	3.4	4.2	-0.4	-1.7	6.4	5.8	-1.4	-0.8	6.8	7.7	1.0	0.0	4.6	4.7
2d quarter	1.4	2.4	3.3	3.6	-1.8	-1.1	6.5	6.4	-0.4	-0.5	8.4	7.6	0.4	-0.9	5.4	4.4
3d quarter	1.8	1.6	0.9	1.9	0.9	-0.3	7.9	6.7	2.0	0.9	7.0	7.1	1.3	2.4	4.8	5.3
4th quarter	-1.5	-1.7	-1.6	-0.7	0.1	-1.0	8.0	7.1	2.2	1.3	7.8	8.2	-1.1	-2.3	4.5	4.4
1970: 1st quarter	-3.0	-2.7	-1.4	-1.2	-1.6	-1.5	7.9	7.5	1.5	1.1	9.7	9.1	-1.9	-3.4	5.4	4.5
2d quarter	0.8	0.6	-2.2	-3.6	3.1	4.3	4.7	6.3	-1.7	-0.2	1.6	1.9	9.0	11.2	4.2	5.1
3d quarter	1.5	2.0	-4.3	-3.5	6.1	5.6	9.4	8.7	4.6	4.0	3.1	2.9	8.2	10.4	4.9	5.5
4th quarter	-4.4	-5.6	-4.5	-4.0	0.2	-1.6	6.1	5.5	0.7	0.1	6.0	7.2	6.6	8.2	6.2	7.6
1971: 1st quarter	8.6	8.9	2.1	2.1	6.3	6.7	9.0	9.1	5.6	5.7	2.6	2.3	8.0	7.4	4.5	4.1
2d quarter	5.2	5.3	1.7	1.0	3.4	4.3	7.3	7.8	2.8	3.3	3.8	3.4	4.6	4.8	4.1	3.9
3d quarter ^p	2.9	1.5	-1.3	-0.6	4.3	2.1	6.2	5.4	1.8	1.0	1.8	3.2	6.1	5.8	3.4	4.1
Percent change over previous year ⁵																
Year ending -																
1970: 1st quarter	-0.3	-0.1	0.3	0.9	-0.6	-1.0	7.6	6.9	1.3	0.7	8.2	8.0	-0.3	-1.1	5.0	4.7
2d quarter	-0.5	-0.6	-1.1	-0.9	0.6	0.4	7.1	6.9	1.0	0.8	6.5	6.5	1.7	1.8	4.7	4.8
3d quarter	-0.6	-0.5	-2.4	-2.3	1.9	1.8	7.5	7.4	1.6	1.5	5.5	5.5	3.4	3.7	4.7	4.9
4th quarter	-1.3	-1.5	-3.1	-3.1	1.9	1.7	7.0	7.0	1.2	1.2	5.0	5.2	5.4	6.4	5.2	5.7
1971: 1st quarter	1.5	1.3	-2.3	-2.3	3.9	3.7	7.3	7.4	2.3	2.4	3.3	3.6	8.0	9.3	4.9	5.5
2d quarter	2.6	2.5	-1.3	-1.2	4.0	3.7	7.9	7.8	3.4	3.3	3.8	3.9	6.9	7.7	4.9	5.2
3d quarter ^p	3.0	2.4	-0.5	-0.4	3.5	2.8	7.2	6.9	2.7	2.5	3.5	4.0	6.3	6.6	4.5	4.9

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

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

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

⁴ Percent change computed from original data.

⁵ Current quarter divided by comparable quarter a year ago.

^p preliminary.

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

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

EMPLOYEE COMPENSATION DATA SEASONALLY ADJUSTED

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

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

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

* 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								
	1971			1970			1969		
	Sept. ^P	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.
Average hourly compensation:									
All persons, total private economy	6.2	7.3	9.0	6.1	9.4	4.7	7.9	8.0	7.9
All employees, private nonfarm economy	5.3	7.6	9.2	5.9	8.9	6.3	7.2	6.9	6.8
Average hourly earnings, private nonfarm economy¹:									
Mining	5.2	6.9	7.5	5.0	7.3	5.6	4.3	7.1	6.3
Contract construction	6.8	6.5	4.5	7.8	6.1	5.4	7.0	7.6	6.9
Manufacturing	8.3	9.5	8.6	8.0	11.6	8.1	8.6	10.9	8.7
Transportation and public utilities	4.2	5.8	11.8	.8	7.4	5.8	3.7	5.5	7.4
Wholesale and retail trade	11.8	4.6	13.0	8.5	8.7	5.4	4.4	6.0	6.0
Finance, insurance, and real estate	5.2	6.3	6.4	5.0	7.1	5.1	4.6	8.0	7.6
Services	4.6	9.5	7.9	7.1	6.8	2.7	5.5	6.0	4.2
Average hourly earnings, private nonfarm economy, ¹ adjusted for overtime (in manufacturing only) and interindustry employment shifts	2.7	5.6	7.1	8.2	7.9	7.5	8.2	8.4	4.2
Mining	6.0	7.0	8.3 ^r	5.9	8.3	6.6	5.7	7.1	6.5
Contract construction	7.7	7.0	4.7	5.9	5.1	4.4	6.7	6.8	5.6
Manufacturing	8.1	9.6	8.3	7.6	11.8	8.8	8.1	10.9	8.6
Transportation and public utilities	5.7	6.3	8.9	4.7	7.6	7.2	5.5	6.0	6.9
Wholesale and retail trade	9.4	6.4	14.0	6.6	9.4	6.0	4.7	4.9	6.4
Finance, insurance, and real estate	5.7	7.3	6.6	5.0	7.0	4.9	5.4	7.3	6.7
Services	3.8	9.5	7.2	7.0	6.8	4.8	6.3	7.5	4.5
Average hourly earnings, all Federal executive branch employees ²	2.6	6.3	7.4	9.1	8.0	6.7	7.0	8.8	4.1
Average union scales, 7 building trades:									
Wages and selected benefits	(*)	1.6	3.5	3.8	2.6	5.3	1.7	3.7	4.7
Hourly wage rates	(*)	18.5	8.7	12.2	9.5	24.6	6.4	11.6	10.0
Wage rates, hired farm labor	(*)	17.9	9.0	10.2	8.4	22.1	6.9	10.0	9.1
Average weekly earnings, private nonfarm economy:¹									
Current dollars	17.2	2.3	2.4	2.4	12.7	5.0	2.5	5.1	7.9
1967 dollars	3.9	7.5	8.3	3.1	6.1	3.5	2.7	5.6	5.5
Real spendable earnings (worker and 3 dependents, 1967 dollars) .....	.1	2.8	4.8	-2.6	2.0	-2.8	-3.6	-.3	.2
1967 dollars	-.3	3.1	5.6	-2.7	1.4	-2.2	-1.5	-.9	-.5

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

* Not available.
 p= preliminary.
 r=revised.

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

EMPLOYEE COMPENSATION DATA SEASONALLY ADJUSTED

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

Measure	Percent change at annual rate over 12-month period ¹ ending in--												
	1971										1970		
	Oct. ^P	Sept. ^P	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Average hourly earnings, private nonfarm economy ²	6.1	6.1	6.1	6.2	6.5	6.9	6.6	6.3	6.3	6.4	5.8	5.4	5.5
Mining	.3	6.4	6.7	6.0	5.7	6.3	6.6	5.8	6.1	5.9	6.7	6.8	6.3
Contract construction	8.0	9.0	8.0	8.7	9.4	10.3	8.5	9.0	9.5	8.7	8.4	9.5	9.3
Manufacturing	6.5	5.3	5.6	5.9	6.3	6.3	6.6	6.3	6.7	6.1	5.5	4.0	3.7
Transportation and public utilities	9.9	10.0	9.0	9.3	8.1	8.7	9.3	9.0	9.1	8.6	7.5	6.2	6.5
Wholesale and retail trade	5.1	5.5	5.8	5.9	6.3	6.3	6.0	6.0	5.6	6.1	5.3	5.3	5.7
Finance, insurance, and real estate	5.8	6.8	7.4	7.5	7.9	8.2	7.3	6.3	6.3	5.7	5.4	5.4	5.7
Services	5.6	5.2	6.0	6.4	6.8	7.6	7.2	7.3	7.7	8.1	8.2	7.8	7.9
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	6.5	6.6	6.8	7.0	7.2	7.6	7.4	7.1	7.4	7.3 ^r	6.8	6.5	6.5
Mining	2.5	6.6	6.7	5.7	5.6	5.9	5.6	4.9	5.2	5.1	5.8	5.5	5.3
Contract construction	8.0	8.6	8.0	8.6	9.1	10.0	8.9	9.0	9.4	8.9	8.3	9.3	9.6
Manufacturing	6.4	6.0	6.5	6.6	6.8	6.8	7.1	7.0	7.2	7.1	6.9	6.0	5.9
Transportation and public utilities	9.7	9.8	8.9	8.5	8.4	9.1	9.6	9.1	9.3	8.5	6.8	6.4	6.7
Wholesale and retail trade	5.5	5.9	6.0	6.5	6.6	6.6	6.2	5.7	5.7	6.1	5.4	5.5	5.8
Finance, insurance, and real estate	5.3	6.5	7.0	7.1	7.4	8.2	7.2	6.5	6.6	6.2	6.2	6.0	6.5
Services	5.6	5.6	6.6	6.8	7.3	8.3	7.5	7.2	7.8	8.4	8.0	7.5	7.5
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	(*)	(*)	8.2	8.2	9.5	13.8	14.2	13.7	11.4	10.0	9.9
Average weekly earnings, private nonfarm economy: ²													
Current dollars	6.7	6.1	5.6	5.3	6.3	6.3	6.1	5.5	5.2	5.0	4.0	3.9	3.6
1967 dollars	(*)	1.8	1.0	.9	1.7	1.8	1.6	.8	.3	-.2	-1.3	-1.8	-2.2
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	1.9	1.1	1.1	1.8	1.9	1.7	1.0	.5	(4/)	-.9	-1.2	-1.7

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

* Not available.
 p= preliminary. r=revised.

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

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

Measure	Percent change at annual rate over 6-month period ¹ ending in--												
	1971										1970		
	Oct. ^P	Sept. ^P	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Average hourly earnings, private nonfarm economy ²	4.8	5.4	6.7	6.1	6.8	7.4	7.5	6.9	5.6	6.3	6.3	6.4	5.7
Mining	-5.9	6.6	7.7	5.6	4.6	5.1	6.8	6.3	5.8	6.3	6.9	7.5	6.4
Contract construction	8.0	9.2	8.9	8.6	10.2	9.0	7.9	8.8	7.2	8.9	8.6	11.6	9.1
Manufacturing	2.8	4.6	4.6	5.8	6.5	9.7	10.3	5.9	6.6	6.0	6.0	3.0	3.0
Transportation and public utilities	9.9	9.0	7.5	8.0	7.6	8.8	9.9	11.1	10.5	10.6	8.5	8.6	8.7
Wholesale and retail trade	4.3	5.0	6.5	5.8	6.6	6.6	5.9	5.9	5.2	6.0	6.0	6.0	6.1
Finance, insurance, and real estate	3.7	5.7	7.0	8.4	8.4	9.8	7.8	7.9	7.9	6.6	7.4	6.7	6.7
Services	4.1	4.8	4.1	3.4	4.9	7.0	7.1	5.7	7.9	9.5	8.8	8.1	7.4
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	5.2	6.4	6.8	6.4	7.1	8.3	7.7	6.8 ^r	6.9 ^r	7.6 ^r	7.4	6.9	7.0
Mining	-.7	8.2	8.4	5.4	5.4	6.1	5.8	5.0	5.0	5.9	5.7	5.6	5.3
Contract construction	7.9	8.9	9.0	8.7	9.6	9.2	8.2	8.4	7.0	8.5	8.6	10.9	9.6
Manufacturing	4.6	5.5	6.3	6.2	6.3	8.3	8.2	6.5	6.8	7.1	7.2	5.3	6.0
Transportation and public utilities	9.5	9.3	7.5	6.9	9.9	10.8	9.9	10.4	10.2	10.1	7.0	7.5	9.4
Wholesale and retail trade	4.4	6.1	7.2	6.2	6.9	7.3	6.6	5.7	4.9	6.7	6.3	5.9	5.8
Finance, insurance, and real estate	2.8	5.6	7.2	7.2	8.2	9.0	7.9	7.4	6.9	7.0	6.7	7.4	6.6
Services	4.3	5.3	4.6	3.4	5.6	8.1	6.9	5.8	8.6	10.3	9.0	8.5	8.1
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	(*)	(*)	1.6	4.9	5.5	5.5	7.7	9.3	6.5	6.4	3.8
Average weekly earnings, private nonfarm economy: ²													
Current dollars	4.9	4.4	6.6	6.1	7.7	7.4	8.5	7.8	4.6	4.6	4.9	5.2	3.7
1967 dollars	(*)	(4/)	2.2	2.2	3.5	3.2	4.7	3.7	-.2	-.3	(4/)	.5	-1.4
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	.1	2.1	1.9	4.0	3.9	5.2	3.8	.2	.2	-.4	(4/)	-1.6

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

* Not available.
 p= preliminary. r=revised.

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

**EMPLOYEE COMPENSATION DATA
SEASONALLY ADJUSTED**

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

Measure	1971										1970		
	3d quarter				2d quarter			1st quarter			4th quarter		
	Oct. ^p	Sept. ^p	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Levels													
Average hourly earnings, private nonfarm economy ¹	\$ 3.47	\$ 3.46	\$ 3.46	\$ 3.43	\$ 3.42	\$ 3.41	\$ 3.39	\$ 3.37	\$ 3.35	\$ 3.33	\$ 3.31	\$ 3.29	\$ 3.27
Mining	3.92	4.14	4.13	4.07	4.05	4.05	4.04	4.01	3.98	3.96	3.96	3.95	3.91
Contract construction	5.82	5.81	5.78	5.72	5.70	5.67	5.60	5.56	5.54	5.49	5.43	5.43	5.39
Manufacturing	3.59	3.60	3.59	3.58	3.57	3.55	3.54	3.52	3.51	3.48	3.46	3.39	3.37
Transportation and public utilities	4.32	4.29	4.24	4.22	4.15	4.13	4.12	4.11	4.09	4.06	4.00	3.96	3.93
Wholesale and retail trade	2.90	2.90	2.90	2.88	2.87	2.86	2.84	2.83	2.81	2.80	2.78	2.77	2.76
Finance, insurance, and real estate	3.31	3.31	3.32	3.30	3.28	3.29	3.25	3.22	3.21	3.17	3.15	3.14	3.13
Services	3.03	3.02	3.00	2.98	2.98	2.99	2.97	2.95	2.94	2.93	2.91	2.89	2.87
Wage rates, hired farm labor (quarterly data)	1.80	-	-	1.73	-	-	1.72	-	-	1.71	-	-	1.70
Average weekly earnings, private nonfarm economy:¹													
Current dollars	128.60	127.35	127.88	126.67	126.81	125.87	125.56	124.65	123.85	122.99	122.19	121.43	120.55
1967 dollars	(*)	104.04	104.75	104.21	104.48	103.98	104.45	104.04	103.62	103.07	102.70	102.37	102.07
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	91.30	91.75	91.33	91.59	91.33	91.67	91.25	90.78	90.46	89.81	89.62	89.36
Indexes, 1967=100													
Average hourly compensation (quarterly data):													
All persons, total private economy	-	-	134.2	-	-	132.2	-	-	129.9	-	-	127.2	-
All employees, private nonfarm economy	-	-	132.8	-	-	131.1	-	-	128.8	-	-	126.0	-
Average hourly earnings, private nonfarm economy,¹ adjusted for overtime (in manufacturing only) and interindustry employment shifts													
Mining	131.4	131.3	130.9	130.0	129.3	129.1	128.1	127.3	126.7	126.0	125.0	124.1	123.4
Contract construction	125.0	129.5	129.2	126.8	126.6	126.4	125.5	124.5	124.1	123.5	123.3	122.6	122.0
Manufacturing	141.2	140.6	140.1	138.8	138.1	137.4	135.9	134.7	134.2	133.1	131.9	131.5	130.7
Transportation and public utilities	129.1	128.9	128.8	128.2	127.5	126.9	126.2	125.5	125.0	124.4	123.7	121.9	121.4
Wholesale and retail trade	133.3	132.7	131.1	129.5	128.6	128.6	127.4	126.9	126.5	125.3	122.7	122.2	121.6
Finance, insurance, and real estate	129.7	129.7	129.7	128.9	128.1	127.9	126.9	126.0	125.3	125.0	123.9	123.5	122.9
Services	127.6	128.1	128.4	127.3	127.1	127.3	125.8	124.7	124.0	122.9	122.2	121.9	121.2
Average hourly earnings, all Federal executive branch employees ²	132.1	132.0	131.0	129.9	130.1	131.0	129.3	128.6	128.1	127.8	126.6	126.0	125.1
Average union scales, 7 building trades (quarterly data):	(*)	(*)	(*)	(*)	139.5	140.3	139.7	139.1	139.5	139.2	137.3	133.8	132.4
Wages and selected benefits	(*)	-	-	146.9	-	-	140.8	-	-	137.9	-	-	134.0
Hourly wage rates	(*)	-	-	141.6	-	-	135.9	-	-	133.0	-	-	129.8

¹ Production and nonsupervisory workers.

² Not seasonally adjusted.

* Not available.

^p preliminary.

Technical description covering tables C-11 through C-15

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

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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		
	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970
ALABAMA	\$ 123.32	\$ 121.90	\$ 118.08	40.7	40.5	40.3	\$ 3.03	\$ 3.01	\$ 2.93
Birmingham	144.04	142.88	144.61	39.9	39.8	41.2	3.61	3.59	3.51
Mobile	145.73	146.51	139.40	41.4	42.1	41.0	3.52	3.48	3.40
ALASKA ..	(*)	215.71	186.00	(*)	42.8	36.4	(*)	5.04	5.11
ARIZONA	152.48	145.33	133.33	41.1	39.6	39.8	3.71	3.67	3.35
Phoenix	154.16	147.29	135.43	41.0	39.7	39.6	3.76	3.71	3.42
Tucson	145.47	139.76	133.73	39.0	38.5	39.8	3.73	3.63	3.36
ARKANSAS	107.20	106.53	100.90	40.3	40.2	40.2	2.66	2.65	2.51
Fort Smith	104.54	107.30	91.61	39.9	40.8	37.7	2.62	2.63	2.43
Little Rock-North Little Rock	113.12	112.68	109.08	40.4	40.1	40.7	2.80	2.81	2.68
Pine Bluff	132.20	132.47	140.91	39.7	39.9	42.7	3.33	3.32	3.30
CALIFORNIA	160.38	159.99	151.70	39.6	39.7	39.3	4.05	4.03	3.86
Anaheim-Santa Ana-Garden Grove	156.79	157.98	149.29	40.1	40.3	39.6	3.91	3.92	3.77
Bakersfield	164.79	164.82	152.10	39.9	40.2	39.2	4.13	4.10	3.88
Fresno	141.73	140.30	130.32	39.7	39.3	38.9	3.57	3.57	3.35
Los Angeles-Long Beach	153.66	153.65	146.22	39.4	39.6	39.2	3.90	3.88	3.73
Modesto	138.55	140.30	124.75	38.7	39.3	36.8	3.58	3.57	3.39
Oxnard-Ventura	142.76	145.41	140.42	38.9	39.3	40.7	3.67	3.70	3.45
Sacramento	174.66	170.10	166.87	41.0	40.5	41.0	4.26	4.20	4.07
Salinas-Monterey	150.14	143.08	135.93	40.8	39.2	39.4	3.68	3.65	3.45
San Bernardino-Riverside-Ontario	155.22	156.39	154.35	39.8	40.1	40.3	3.90	3.90	3.83
San Diego	168.67	167.45	164.67	39.5	39.4	39.3	4.27	4.25	4.19
San Francisco-Oakland	181.74	179.10	166.41	39.0	38.6	38.7	4.66	4.64	4.30
San Jose	170.14	165.95	160.39	40.9	39.7	40.3	4.16	4.18	3.98
Santa Barbara	147.43	145.54	137.14	37.9	37.9	38.2	3.89	3.84	3.59
Santa Rosa	148.99	147.07	132.47	38.4	38.1	36.9	3.88	3.86	3.59
Stockton	169.72	170.15	166.10	41.7	41.5	42.7	4.07	4.10	3.89
Vallejo-Napa	151.70	147.83	140.98	38.7	38.7	37.1	3.92	3.82	3.80
COLORADO	150.14	151.84	141.65	40.8	40.6	39.9	3.68	3.74	3.55
Denver	160.66	158.65	146.15	41.3	41.1	39.5	3.89	3.86	3.70
CONNECTICUT	148.19	147.02	139.78	40.6	40.5	40.4	3.65	3.63	3.46
Bridgeport	151.00	149.85	140.54	40.7	40.5	39.7	3.71	3.70	3.54
Hartford	152.38	151.15	148.37	40.1	40.2	41.1	3.80	3.76	3.61
New Britain	153.78	149.48	135.93	40.9	40.4	39.4	3.76	3.70	3.45
New Haven	146.03	148.23	142.26	39.9	40.5	40.3	3.66	3.66	3.53
Stamford	155.56	153.22	152.35	40.3	39.9	41.4	3.86	3.84	3.68
Waterbury	138.65	141.86	131.87	40.9	41.6	40.7	3.39	3.41	3.24
DELAWARE	157.55	140.22	147.60	40.5	38.0	41.0	3.89	3.69	3.60
Wilmington	173.23	156.04	166.44	40.1	37.6	41.3	4.32	4.15	4.03
DISTRICT OF COLUMBIA:									
Washington SMSA	175.24	168.42	150.54	40.1	40.1	38.8	4.37	4.20	3.88
FLORIDA	(*)	128.54	120.58	(*)	41.2	40.6	(*)	3.12	2.97
Fort Lauderdale-Hollywood	(*)	129.16	124.57	(*)	38.1	39.8	(*)	3.39	3.13
Jacksonville	(*)	143.72	134.39	(*)	41.9	40.6	(*)	3.43	3.31
Miami	(*)	120.00	113.39	(*)	40.0	39.1	(*)	3.00	2.90
Orlando	(*)	126.67	117.44	(*)	40.6	41.5	(*)	3.12	2.83
Pensacola	(*)	151.42	154.32	(*)	41.6	44.6	(*)	3.64	3.46
Tampa-St. Petersburg	(*)	137.28	123.02	(*)	41.6	40.6	(*)	3.30	3.03
West Palm Beach	(*)	146.20	138.03	(*)	42.5	44.1	(*)	3.44	3.13
GEORGIA	116.81	114.33	106.13	40.7	40.4	39.6	2.87	2.83	2.68
Atlanta	142.20	138.10	130.90	39.5	38.9	38.5	3.60	3.55	3.40
Savannah	149.94	147.26	143.82	42.0	41.6	42.3	3.57	3.54	3.40

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		
	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970
HAWAII	\$ 137.06	\$ 129.68	\$ 128.64	38.5	41.3	38.4	\$ 3.56	\$ 3.14	\$ 3.35
Honolulu	134.90	126.07	127.53	38.0	40.8	37.4	3.55	3.09	3.41
IDAHO	147.94	158.18	136.12	40.2	41.3	39.8	3.68	3.83	3.42
ILLINOIS	159.62	158.49	149.04	39.9	40.1	40.4	4.00	3.95	3.69
Chicago	(*)	159.96	150.39	(*)	39.9	40.2	(*)	4.00	3.74
Davenport-Rock Island-Moline	179.51	178.13	165.76	39.8	39.6	40.0	4.52	4.50	4.15
Peoria	189.41	185.05	168.57	41.0	40.2	41.1	4.62	4.60	4.10
Rockford	167.65	152.55	153.36	42.1	39.4	41.7	3.98	3.87	3.67
INDIANA	160.40	161.60	151.13	40.0	40.1	40.3	4.01	4.03	3.75
Indianapolis	(*)	166.05	153.78	(*)	40.6	40.9	(*)	4.09	3.76
IOWA	163.22	158.40	149.60	40.4	39.8	40.0	4.04	3.98	3.74
Cedar Rapids	165.24	161.60	153.78	40.9	40.3	40.9	4.04	4.01	3.76
Des Moines	171.50	167.60	154.00	39.7	40.0	40.0	4.32	4.19	3.85
Dubuque	185.97	166.44	165.59	39.4	38.0	38.6	4.72	4.38	4.29
Sioux City	145.35	147.65	136.75	40.6	40.9	40.7	3.58	3.61	3.36
Waterloo	181.19	176.17	164.82	40.9	39.5	40.2	4.43	4.46	4.10
KANSAS	147.53	146.36	142.06	41.2	41.0	41.8	3.58	3.57	3.40
Topeka	161.61	159.44	158.60	40.6	40.5	43.7	3.98	3.94	3.63
Wichita	154.29	156.01	154.42	41.7	42.2	43.7	3.70	3.70	3.53
KENTUCKY	139.08	136.32	128.92	39.4	39.4	38.6	3.53	3.46	3.34
Louisville	163.22	160.40	145.82	40.4	40.0	39.2	4.04	4.01	3.72
LOUISIANA	144.26	147.63	141.88	41.1	42.3	42.1	3.51	3.49	3.37
Baton Rouge	187.04	180.96	156.09	42.8	41.6	43.0	4.37	4.35	3.63
New Orleans	140.69	145.85	133.57	39.3	41.2	39.4	3.58	3.54	3.39
Shreveport	144.84	138.36	130.41	42.6	41.8	41.4	3.40	3.31	3.15
MAINE	116.29	115.60	109.85	40.1	40.0	39.8	2.90	2.89	2.76
Lewiston-Auburn	96.63	94.61	89.05	37.6	37.1	36.2	2.57	2.55	2.46
Portland	130.01	130.01	115.74	40.5	40.5	39.1	3.21	3.21	2.96
MARYLAND	145.27	142.84	141.98	39.8	39.9	40.8	3.65	3.58	3.48
Baltimore	151.64	149.60	150.28	39.8	40.0	41.4	3.81	3.74	3.63
MASSACHUSETTS	136.97	134.41	127.59	39.7	39.3	38.9	3.45	3.42	3.28
Boston	149.33	145.51	141.41	39.4	38.7	39.5	3.79	3.76	3.58
Brockton	118.49	119.35	107.67	38.1	38.5	37.0	3.11	3.10	2.91
Fall River	104.60	103.30	93.91	36.7	36.5	34.4	2.85	2.83	2.73
Lawrence-Haverhill	136.75	127.92	119.03	40.7	40.1	38.9	3.36	3.19	3.06
Lowell	118.26	117.56	112.31	38.9	38.8	38.2	3.04	3.03	2.94
New Bedford	111.30	112.40	102.58	37.6	38.1	37.3	2.96	2.95	2.75
Springfield-Chicopee-Holyoke	138.50	135.49	127.92	39.8	39.5	39.0	3.48	3.43	3.28
Worcester	137.77	135.23	126.41	38.7	38.2	37.4	3.56	3.54	3.38
MICHIGAN	177.87	182.21	165.83	38.7	40.1	39.4	4.60	4.54	4.21
Ann Arbor	197.74	198.80	185.87	41.0	41.8	42.7	4.82	4.76	4.35
Battle Creek	177.56	174.84	163.63	40.4	39.9	39.4	4.40	4.38	4.15
Bay City	169.05	168.12	164.76	40.5	40.0	41.2	4.17	4.20	4.00
Detroit	187.48	190.48	183.71	38.8	39.8	41.2	4.83	4.79	4.46
Flint	171.08	202.67	163.75	33.2	39.4	34.9	5.15	5.14	4.69
Grand Rapids	153.58	160.34	147.78	39.3	40.5	39.2	3.91	3.96	3.77
Jackson	176.70	171.30	157.02	39.6	38.8	37.8	4.46	4.42	4.15
Kalamazoo	174.61	174.82	169.54	40.4	41.3	41.8	4.32	4.23	4.06
Lansing	176.60	177.03	188.02	36.6	37.2	42.3	4.83	4.76	4.45
Muskegon-Muskegon Heights	154.15	157.37	152.92	38.8	39.7	39.7	3.97	3.96	3.85
Saginaw	190.25	213.89	173.28	36.6	41.5	38.2	5.20	5.15	4.54

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		
	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970
MINNESOTA	\$ 148.88	\$ 150.38	\$ 138.89	39.7	40.1	39.3	\$ 3.75	\$ 3.75	\$ 3.54
Duluth-Superior	140.94	135.37	128.92	38.5	38.9	38.3	3.66	3.48	3.37
Minneapolis-St. Paul	162.57	161.80	149.72	39.9	40.1	39.5	4.08	4.04	3.79
MISSISSIPPI	105.37	105.41	99.06	41.0	40.7	40.6	2.57	2.59	2.44
Jackson	108.45	109.23	102.24	42.2	42.5	41.9	2.57	2.57	2.44
MISSOURI	141.15	139.59	136.91	39.1	39.1	39.8	3.61	3.57	3.44
Kansas City	136.42	137.11	132.26	39.2	39.4	40.2	3.48	3.48	3.29
St. Joseph	147.61	144.72	148.09	43.8	43.2	43.3	3.37	3.35	3.42
St. Louis	160.68	158.67	154.01	39.0	38.7	39.9	4.12	4.10	3.86
Springfield	116.05	120.96	112.03	37.8	39.4	38.9	3.07	3.07	2.88
MONTANA	162.01	161.20	155.52	40.3	40.4	40.5	4.02	3.99	3.84
NEBRASKA	145.26	142.66	137.81	42.1	41.8	41.9	3.45	3.41	3.29
Lincoln	136.31	135.45	125.43	41.0	40.7	40.4	3.33	3.33	3.10
Omaha	148.75	146.08	140.66	41.0	40.4	41.3	3.62	3.62	3.40
NAVADA	177.92	172.91	160.19	40.9	40.4	38.6	4.35	4.28	4.15
Las Vegas	219.88	208.96	181.75	43.8	43.9	41.4	5.02	4.76	4.39
NEW HAMPSHIRE	120.34	118.95	109.44	39.2	39.0	38.4	3.07	3.05	2.85
Manchester	109.91	108.96	99.06	38.7	38.5	37.1	2.84	2.83	2.67
NEW JERSEY	151.81	149.48	139.74	40.7	40.4	39.7	3.73	3.70	3.52
Atlantic City	120.95	121.67	118.72	41.0	42.1	42.1	2.95	2.89	2.82
Camden ¹	152.21	150.65	142.97	41.7	41.5	40.5	3.65	3.63	3.53
Jersey City ²	155.87	153.55	141.48	41.9	41.5	39.3	3.72	3.70	3.60
Newark ²	149.51	145.76	137.59	40.3	39.5	39.2	3.71	3.69	3.51
Paterson-Clifton-Passaic ²	149.57	145.78	134.33	40.1	39.4	38.6	3.73	3.70	3.48
Perth Amboy ²	157.59	153.66	144.54	40.1	39.4	39.6	3.93	3.90	3.65
Trenton	146.57	145.84	133.28	39.4	39.1	38.3	3.72	3.73	3.48
NEW MEXICO	108.70	107.13	108.63	39.1	39.1	39.5	2.78	2.74	2.75
Albuquerque	123.82	124.84	115.94	41.0	40.4	39.3	3.02	3.09	2.95
NEW YORK	147.39	145.47	136.61	39.2	39.0	38.7	3.76	3.73	3.53
Albany-Schenectady-Troy	162.81	159.20	153.38	40.6	40.1	40.9	4.01	3.97	3.75
Binghamton	150.96	148.42	134.24	40.8	41.0	39.6	3.70	3.62	3.39
Buffalo	173.69	172.94	165.61	40.3	40.5	41.3	4.31	4.27	4.01
Elmira	139.39	137.24	126.43	39.6	39.1	38.9	3.52	3.51	3.25
Monroe County ³	180.40	174.84	169.33	41.0	40.1	40.9	4.40	4.36	4.14
Nassau and Suffolk Counties ⁴	147.71	146.17	138.29	39.6	39.4	39.4	3.73	3.71	3.51
New York-Northeastern New Jersey	(*)	142.07	132.59	(*)	38.5	38.1	(*)	3.69	3.48
New York SMSA ²	139.46	137.98	129.06	38.0	37.7	37.3	3.67	3.66	3.46
New York City ⁴	137.98	136.51	127.31	37.7	37.4	36.9	3.66	3.65	3.45
Rochester	173.03	168.45	163.19	41.1	40.3	40.9	4.21	4.18	3.99
Rockland County ⁴	147.36	146.10	138.45	39.4	39.7	39.9	3.74	3.68	3.47
Syracuse	155.90	153.14	143.47	40.6	40.3	40.3	3.84	3.80	3.56
Utica-Rome	135.09	135.14	124.21	39.5	39.4	38.1	3.42	3.43	3.26
Westchester County ⁴	144.75	131.40	133.60	38.6	36.4	38.5	3.75	3.61	3.47
NORTH CAROLINA	105.59	105.18	96.33	40.3	40.3	39.0	2.62	2.61	2.47
Asheville	106.66	103.28	90.48	41.5	40.5	37.7	2.57	2.55	2.40
Charlotte	114.80	115.64	105.18	41.0	41.3	40.3	2.80	2.80	2.61
Greensboro-Winston-Salem-High Point	113.20	112.61	104.33	38.9	39.1	37.8	2.91	2.88	2.76
Raleigh	106.92	108.47	100.35	39.6	39.3	39.2	2.70	2.76	2.56
NORTH DAKOTA	134.99	134.08	122.51	41.7	40.8	41.2	3.24	3.29	2.97
Fargo-Moorhead	137.07	152.95	133.18	37.0	40.4	39.3	3.70	3.79	3.39

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		
	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970	Sept. 1971 ^P	Aug. 1971	Sept. 1970
OHIO	\$ 168.08	\$ 166.03	\$ 158.67	40.5	40.2	41.0	\$ 4.15	\$ 4.13	\$ 3.87
Akron	181.44	182.78	174.29	40.5	40.8	41.4	4.48	4.48	4.21
Canton	158.38	153.50	157.10	37.8	36.9	40.7	4.19	4.16	3.86
Cincinnati	159.53	159.78	149.69	40.8	41.5	40.9	3.91	3.85	3.66
Cleveland	168.02	164.34	159.54	40.1	39.6	40.7	4.19	4.15	3.92
Columbus	155.63	154.45	149.92	39.3	39.2	40.3	3.96	3.94	3.72
Dayton	190.07	180.50	175.46	41.5	40.2	40.9	4.58	4.49	4.29
Toledo	175.50	177.92	160.68	41.1	40.9	41.2	4.27	4.35	3.90
Youngstown-Warren	175.95	183.42	169.33	39.1	40.4	41.0	4.50	4.54	4.13
OKLAHOMA	133.39	132.84	128.74	40.3	40.5	41.0	3.31	3.28	3.14
Oklahoma City	135.20	133.53	123.62	40.6	40.1	40.4	3.33	3.33	3.06
Tulsa	137.35	138.34	140.90	38.8	39.3	41.2	3.54	3.52	3.42
OREGON	159.36	159.54	149.00	38.4	39.2	38.5	4.15	4.07	3.87
Eugene	165.45	163.99	159.96	39.3	39.9	40.6	4.21	4.11	3.94
Portland	159.47	158.34	146.67	38.8	39.0	37.9	4.11	4.06	3.87
PENNSYLVANIA	141.26	140.04	133.43	38.7	38.9	38.9	3.65	3.60	3.43
Allentown-Bethlehem-Easton	146.67	135.38	131.97	38.7	37.5	38.7	3.79	3.61	3.41
Altoona	113.25	115.36	107.53	37.5	38.2	37.6	3.02	3.02	2.86
Delaware Valley ⁵	155.21	154.80	142.30	39.9	40.0	39.2	3.89	3.87	3.63
Erie	156.24	154.29	148.54	42.0	41.7	42.2	3.72	3.70	3.52
Harrisburg	131.24	129.93	122.70	38.6	38.9	39.2	3.40	3.34	3.13
Johnstown	145.50	128.88	138.00	37.5	35.9	37.5	3.88	3.59	3.68
Lancaster	130.87	131.01	121.60	39.3	39.7	39.1	3.33	3.30	3.11
Philadelphia SMSA	154.39	154.35	142.63	40.1	40.3	39.4	3.85	3.83	3.62
Pittsburgh	153.55	152.97	157.14	37.0	37.4	40.5	4.15	4.09	3.88
Reading	127.43	125.12	122.46	37.7	37.8	39.0	3.38	3.31	3.14
Scranton	109.99	109.63	101.67	36.3	36.3	35.8	3.03	3.02	2.84
Wilkes-Barre-Hazleton	109.43	109.89	98.49	36.6	37.0	35.3	2.99	2.97	2.79
York	135.29	133.16	121.20	41.5	41.1	40.4	3.26	3.24	3.00
RHODE ISLAND	118.17	118.38	111.93	39.0	39.2	39.0	3.03	3.02	2.87
Providence-Pawtucket-Warwick	119.78	119.56	112.90	39.4	39.2	39.2	3.04	3.05	2.88
SOUTH CAROLINA	(*)	108.12	101.09	(*)	40.8	39.8	(*)	2.65	2.54
Charleston	(*)	127.80	132.68	(*)	40.7	42.8	(*)	3.14	3.10
Greenville	(*)	110.09	97.22	(*)	41.7	39.2	(*)	2.64	2.48
SOUTH DAKOTA	143.15	134.35	140.59	45.3	43.2	46.4	3.16	3.11	3.03
Sioux Falls	173.50	161.00	176.10	48.6	46.0	52.1	3.57	3.50	3.38
TENNESSEE	117.89	117.86	111.04	40.1	40.5	39.8	2.94	2.91	2.79
Chattanooga	128.56	128.38	119.70	40.3	40.5	39.9	3.19	3.17	3.00
Knoxville	134.35	132.38	126.00	39.4	39.4	39.5	3.41	3.36	3.19
Memphis	139.02	135.71	125.15	41.5	41.0	40.9	3.35	3.31	3.06
Nashville	125.60	126.05	118.70	40.0	40.4	40.1	3.14	3.12	2.96
TEXAS	136.55	136.75	131.22	40.4	40.7	40.5	3.38	3.36	3.24
Amarillo	123.51	121.48	116.82	40.1	39.7	39.6	3.08	3.06	2.95
Austin	118.96	119.18	111.52	40.6	40.4	40.7	2.93	2.95	2.74
Beaumont-Port Arthur-Orange	177.24	179.38	170.15	40.1	40.4	41.0	4.42	4.44	4.15
Corpus Christi	183.96	165.22	160.55	42.0	41.1	41.7	4.38	4.02	3.85
Dallas	126.72	127.80	121.27	40.1	40.7	39.5	3.16	3.14	3.07
El Paso	92.86	90.54	89.21	40.2	40.6	39.3	2.31	2.23	2.27
Fort Worth	142.04	141.51	138.10	40.7	40.9	41.1	3.49	3.46	3.36
Galveston-Texas City	199.08	203.91	194.46	40.3	41.7	42.0	4.94	4.89	4.63
Houston	163.17	165.57	157.54	41.1	41.6	41.9	3.97	3.98	3.76
Lubbock	114.13	114.12	112.52	41.5	41.2	42.3	2.75	2.77	2.66
San Antonio	108.00	106.00	106.59	40.3	39.7	41.8	2.68	2.67	2.55
Waco	114.56	117.68	109.37	39.1	40.3	39.2	2.93	2.92	2.79
Wichita Falls	102.56	100.86	99.22	39.6	39.4	41.0	2.59	2.56	2.42

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		
	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970	Sept. 1971 ^p	Aug. 1971	Sept. 1970
UTAH	\$ 143.15	\$ 138.28	\$ 135.96	38.9	38.2	38.3	\$ 3.68	\$ 3.62	\$ 3.55
Salt Lake City	137.26	136.51	132.89	39.9	39.8	39.2	3.44	3.43	3.39
VERMONT	130.31	129.37	121.77	41.5	41.2	41.0	3.14	3.14	2.97
Burlington	148.16	150.42	147.94	41.5	41.9	43.9	3.57	3.59	3.37
Springfield	138.17	135.94	131.05	40.4	40.1	40.2	3.42	3.39	3.26
VIRGINIA	117.41	117.97	110.80	39.8	40.4	40.0	2.95	2.92	2.77
Lynchburg	116.35	114.57	102.96	40.4	40.2	39.6	2.88	2.85	2.60
Norfolk-Portsmouth	128.64	127.92	123.02	41.1	41.0	41.7	3.13	3.12	2.95
Northern Virginia ⁶	157.49	160.13	139.39	40.8	41.7	39.6	3.86	3.84	3.52
Richmond	137.70	134.48	123.29	41.6	41.0	39.9	3.31	3.28	3.09
Roanoke	109.07	105.57	103.31	40.1	39.1	40.2	2.72	2.70	2.57
WASHINGTON	167.62	165.64	159.51	38.8	38.7	39.0	4.32	4.28	4.09
Seattle-Everett	175.82	171.47	165.90	39.6	39.6	39.5	4.44	4.33	4.20
Spokane	167.42	163.88	154.45	39.3	39.3	39.1	4.26	4.17	3.95
Tacoma	163.67	163.06	156.70	37.8	37.4	38.5	4.33	4.36	4.07
WEST VIRGINIA	144.18	143.98	139.35	39.5	39.8	39.7	3.65	3.62	3.51
Charleston	179.35	178.92	173.04	42.3	42.6	42.0	4.24	4.20	4.12
Huntington-Ashland	151.70	148.61	147.03	38.6	38.5	39.0	3.93	3.86	3.77
Wheeling	153.03	150.02	143.56	40.7	39.9	40.9	3.76	3.76	3.51
WISCONSIN	157.51	155.43	145.81	40.9	40.5	40.2	3.85	3.83	3.63
Green Bay	159.95	158.45	153.06	43.0	42.9	43.4	3.72	3.69	3.53
Kenosha	171.07	184.90	158.88	39.0	40.8	39.2	4.39	4.52	4.05
La Crosse	133.71	131.55	126.24	41.5	41.3	42.7	3.22	3.18	2.96
Madison	180.62	177.82	171.45	41.7	41.6	41.5	4.33	4.27	4.13
Milwaukee	169.64	169.37	157.85	40.1	40.1	39.8	4.23	4.22	3.97
Racine	170.26	153.50	148.93	41.0	38.7	39.4	4.15	3.97	3.78
WYOMING	147.78	153.54	134.33	39.2	40.3	38.3	3.77	3.81	3.51
Casper	181.03	172.55	164.61	42.1	40.6	39.1	4.30	4.25	4.21
Cheyenne	151.50	142.23	110.89	37.5	33.0	33.5	4.04	4.31	3.71

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

* Not available.
 p= preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

D-1: Labor turnover rates in manufacturing

1960 to date

(Per 100 employees)

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

p=preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2: Labor turnover rates, by industry

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971
	MANUFACTURING	4.7	5.3	3.3	3.4	5.4	5.5	2.9	2.8	1.6	1.8
19,24,25,32-39	DURABLE GOODS	4.3	4.8	2.8	2.8	4.8	5.4	2.3	2.2	1.5	2.2
20-23,26-31	NONDURABLE GOODS	5.4	5.9	4.0	4.2	6.2	5.7	3.7	3.4	1.7	1.4
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	-	2.1	-	1.2	-	2.8	-	1.2	-	1.1
192	Ammunition, except for small arms	-	2.2	-	1.2	-	2.8	-	1.1	-	1.1
24	LUMBER AND WOOD PRODUCTS	6.7	6.5	5.8	5.5	7.1	6.7	5.1	4.9	.8	.8
242	Sawmills and planing mills	-	5.9	-	5.2	-	6.1	-	4.6	-	.6
2421	Sawmills and planing mills, general	-	5.4	-	4.9	-	5.8	-	4.4	-	.6
243	Millwork, plywood & related products	-	6.9	-	6.2	-	7.0	-	5.1	-	.8
2431	Millwork	-	7.4	-	6.9	-	7.7	-	5.7	-	.8
2432	Veneer and plywood	-	5.8	-	4.7	-	6.1	-	4.3	-	.8
244	Wooden containers	-	8.8	-	7.1	-	10.3	-	8.8	-	.6
2441,2	Wooden boxes, shook, and crates	-	6.6	-	5.6	-	9.3	-	7.8	-	.8
249	Miscellaneous wood products	-	6.8	-	5.5	-	6.9	-	4.5	-	.9
25	FURNITURE AND FIXTURES	7.0	7.5	6.0	6.4	6.6	7.2	4.3	4.7	1.1	1.2
251	Household furniture	-	7.9	-	6.7	-	7.4	-	5.1	-	1.1
2511	Wood household furniture	-	7.5	-	6.4	-	7.5	-	5.2	-	.9
2512	Upholstered household furniture	-	7.5	-	6.5	-	5.9	-	4.7	-	.3
2515	Mattresses and bedsprings	-	8.3	-	7.0	-	7.4	-	4.9	-	1.0
252	Office furniture	-	6.0	-	4.9	-	3.8	-	2.6	-	.3
32	STONE, CLAY, AND GLASS PRODUCTS	4.3	4.7	3.4	3.6	5.1	5.1	3.2	3.0	1.0	1.2
321	Flar glass	-	3.7	-	1.8	-	3.2	-	.9	-	1.4
322	Glass and glassware, pressed or blown	-	4.2	-	2.9	-	4.1	-	2.4	-	.6
3221	Glass containers	-	4.4	-	3.4	-	4.3	-	2.9	-	.4
3229	Pressed and blown glass, n e c	-	3.9	-	2.3	-	4.0	-	1.7	-	.9
324	Cement, hydraulic	-	1.4	-	1.4	-	2.5	-	1.8	-	.2
325	Structural clay products	-	5.5	-	5.0	-	7.1	-	4.6	-	1.6
3251	Brick and structural clay tile	-	7.0	-	6.6	-	7.4	-	5.9	-	.6
326	Pottery and related products	-	5.2	-	3.7	-	4.9	-	2.4	-	1.5
3291	Abrasive products	-	1.7	-	1.1	-	2.5	-	1.0	-	.7
33	PRIMARY METAL INDUSTRIES	3.4	3.8	1.4	1.4	5.5	9.0	1.3	1.6	3.2	6.3
331	Blast furnace and basic steel products	-	3.3	-	.5	-	14.6	-	1.4	-	12.0
3312	Blast furnaces and steel mills	-	3.3	-	.3	-	15.9	-	1.2	-	13.4
332	Iron and steel foundries	-	5.0	-	2.5	-	4.8	-	2.0	-	1.6
3321	Gray iron foundries	-	5.9	-	2.7	-	4.9	-	2.2	-	1.5
3322	Malleable iron foundries	-	4.0	-	2.8	-	3.4	-	2.1	-	.4
3323	Steel foundries	-	3.5	-	2.1	-	5.3	-	1.7	-	2.4
333,4	Nonferrous metals	-	2.3	-	1.5	-	5.0	-	1.9	-	2.1
335	Nonferrous rolling and drawing	-	3.6	-	1.9	-	3.2	-	1.4	-	.9
3351	Copper rolling and drawing	-	3.6	-	2.0	-	3.8	-	1.5	-	1.3
3352	Aluminum rolling and drawing	-	3.8	-	2.0	-	3.6	-	1.6	-	1.1
3357	Nonferrous wire drawing, and insulating	-	3.8	-	1.8	-	2.6	-	1.3	-	.6
336	Nonferrous foundries	-	6.8	-	3.1	-	4.7	-	2.3	-	1.2
3361	Aluminum castings	-	7.5	-	3.2	-	4.8	-	2.4	-	1.2
3362,9	Other nonferrous castings	-	6.1	-	3.0	-	4.6	-	2.3	-	1.3
339	Miscellaneous primary metal products	-	3.4	-	1.7	-	3.8	-	1.6	-	1.5
3391	Iron and steel forgings	-	3.5	-	1.5	-	3.6	-	1.4	-	1.6

See footnotes at end of table.

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

SIC Code	Industry	(Per 100 employees)									
		Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971		
	<i>Durable Goods--Continued</i>										
34	FABRICATED METAL PRODUCTS	-	5.0	-	3.5	-	5.1	-	2.6	-	1.4
341	Metal cans	-	3.7	-	1.8	-	6.7	-	2.1	-	3.2
342	Cutlery, hand tools, and hardware	-	4.0	-	3.2	-	3.7	-	2.2	-	.7
3421,3,5	Cutlery and hand tools, incl. saws	-	4.0	-	3.3	-	3.6	-	2.4	-	.5
3429	Hardware, n e c	-	4.0	-	3.1	-	3.8	-	2.0	-	.9
343	Plumbing and heating, except electric	-	4.5	-	4.0	-	5.1	-	2.9	-	.8
3431,2	Sanitary ware & plumbers' brass goods	-	4.4	-	3.9	-	5.1	-	3.1	-	1.0
3433	Heating equipment, except electric	-	4.7	-	4.1	-	5.2	-	2.7	-	.7
344	Fabricated structural metal products	-	5.0	-	4.2	-	5.5	-	3.1	-	1.3
3441	Fabricated structural steel	-	4.4	-	3.6	-	5.7	-	3.1	-	1.5
3443	Fabricated plate work (boiler shops)	-	2.7	-	2.0	-	3.4	-	1.7	-	1.0
3446,9	Architectural and misc. metal work	-	6.3	-	5.6	-	5.3	-	3.7	-	.6
345	Screw machine products, bolts, etc.	-	3.8	-	2.9	-	3.7	-	1.9	-	.9
3452	Bolts, nuts, rivets, and washers	-	3.1	-	2.2	-	3.3	-	1.4	-	1.1
346	Metal stampings	-	7.1	-	2.8	-	4.9	-	2.1	-	1.7
348	Misc. fabricated wire products	-	5.0	-	4.3	-	5.5	-	3.5	-	.9
349	Misc. fabricated metal products	-	3.6	-	2.8	-	4.7	-	2.4	-	1.4
3494,8	Valves, pipe, and pipe fittings	-	3.2	-	2.5	-	3.8	-	2.0	-	1.0
35	MACHINERY, EXCEPT ELECTRICAL	2.9	2.9	1.8	1.6	3.4	3.3	1.5	1.4	1.1	1.2
351	Engines and turbines	-	3.0	-	.9	-	3.9	-	.8	-	2.3
3511	Steam engines and turbines	-	3.8	-	.9	-	4.1	-	.6	-	2.6
3519	Internal combustion engines, n e c	-	2.6	-	.9	-	3.8	-	.9	-	2.1
352	Farm machinery	-	3.2	-	1.5	-	4.0	-	1.6	-	1.4
353	Construction and related machinery	-	2.4	-	1.7	-	2.9	-	1.5	-	.7
3531,2	Construction and mining machinery	-	1.7	-	1.0	-	2.5	-	1.1	-	.8
3533	Oil field machinery	-	3.3	-	3.0	-	4.0	-	2.7	-	.5
3535,6	Conveyors, hoists, cranes, monorails	-	2.9	-	2.1	-	3.2	-	1.6	-	1.0
354	Metal working machinery	-	4.1	-	1.5	-	3.1	-	1.2	-	1.1
3541	Machine tools, metal cutting types	-	2.2	-	.9	-	2.4	-	.8	-	1.2
3545	Machine tool accessories	-	2.4	-	.8	-	2.2	-	.9	-	.8
3542,8	Misc. metal working machinery	-	2.7	-	1.4	-	2.7	-	1.2	-	.9
355	Special industry machinery	-	2.4	-	1.5	-	2.7	-	1.3	-	.8
3551	Food products machinery	-	2.1	-	1.4	-	2.7	-	1.4	-	.9
3552	Textile machinery	-	3.2	-	2.3	-	3.5	-	1.8	-	.9
356	General industrial machinery	-	2.6	-	1.6	-	2.9	-	1.3	-	1.0
3561	Pumps and compressors	-	2.4	-	1.5	-	2.9	-	1.2	-	1.0
3562	Ball and roller bearings	-	3.1	-	1.0	-	2.9	-	.9	-	1.4
3566	Power transmission equipment	-	2.3	-	1.3	-	2.7	-	1.5	-	.6
357	Office and computing machines	-	1.7	-	1.0	-	2.6	-	1.0	-	.9
3573	Electronic computing equipment	-	1.6	-	1.0	-	2.6	-	.8	-	1.1
358	Service industry machines	-	3.2	-	1.8	-	4.8	-	1.9	-	2.2
3585	Refrigeration machinery	-	3.2	-	1.7	-	5.6	-	1.7	-	3.2
36	ELECTRICAL EQUIPMENT AND SUPPLIES	-	3.9	-	2.2	-	3.4	-	1.8	-	.7
361	Electric test & distributing equipment	-	3.2	-	2.1	-	2.7	-	1.5	-	.4
3611	Electric measuring instruments	-	4.2	-	3.4	-	3.1	-	1.8	-	.4
3612	Transformers	-	3.1	-	1.6	-	2.7	-	1.4	-	.3
3613	Switchgear and switchboard apparatus	-	2.3	-	1.4	-	2.4	-	1.2	-	.4
362	Electrical industrial apparatus	-	2.5	-	1.2	-	2.6	-	1.3	-	.6
3621	Motors and generators	-	2.9	-	1.2	-	2.5	-	1.2	-	.7
3622	Industrial controls	-	2.1	-	1.0	-	2.3	-	1.2	-	.3
363	Household appliances	-	6.0	-	2.5	-	3.5	-	1.8	-	.7
3632	Household refrigerators and freezers	-	9.1	-	.7	-	3.1	-	.9	-	1.2
3633	Household laundry equipment	-	2.4	-	1.5	-	2.3	-	1.3	-	.1
3634	Electric housewares and fans	-	7.0	-	4.6	-	4.5	-	2.8	-	.7
364	Electric lighting and wiring equipment	-	5.3	-	2.9	-	4.2	-	2.2	-	.8
3641	Electric lamps	-	4.8	-	1.0	-	2.6	-	1.1	-	.3
3642	Lighting fixtures	-	6.9	-	4.1	-	5.6	-	2.7	-	1.6
3643,4	Wiring devices	-	4.4	-	2.9	-	3.9	-	2.4	-	.4
365	Radio and TV receiving equipment	-	6.8	-	4.5	-	5.9	-	3.6	-	.9
366	Communication equipment	-	2.0	-	1.0	-	2.4	-	1.0	-	.7
3661	Telephone and telegraph apparatus	-	1.4	-	.6	-	1.8	-	1.0	-	.2
3662	Radio and TV communication equipment	-	2.3	-	1.2	-	2.7	-	1.1	-	.9
367	Electronic components and accessories	-	4.2	-	2.6	-	4.3	-	2.4	-	.9
3671-3	Electron tubes	-	3.3	-	1.4	-	3.4	-	1.3	-	.7
3674,9	Other electronic components	-	4.3	-	2.8	-	4.5	-	2.6	-	.9
369	Misc. electrical equipment & supplies	-	4.8	-	3.4	-	3.2	-	1.7	-	.5
3694	Engine electrical equipment	-	4.6	-	3.0	-	2.9	-	1.3	-	.6

See footnotes at end of table.

ESTABLISHMENT DATA
LABOR TURNOVER

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Sept. 1971P	Aug. 1971	Sept. 1971P	Aug. 1971	Sept. 1971P	Aug. 1971	Sept. 1971P	Aug. 1971	Sept. 1971P	Aug. 1971
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT	-	7.2	-	2.4	-	7.2	-	1.8	-	4.5
371	Motor vehicles and equipment	-	9.8	-	1.7	-	9.1	-	1.2	-	6.9
3711	Motor vehicles	-	12.6	-	1.7	-	14.3	-	1.1	-	12.3
3712	Passenger car bodies	-	5.4	-	.4	-	15.7	-	.7	-	12.6
3713	Truck and bus bodies	-	4.6	-	2.9	-	5.9	-	3.3	-	1.6
3714	Motor vehicle parts and accessories	-	8.7	-	1.6	-	3.8	-	1.0	-	1.8
372	Aircraft and parts	-	2.1	-	.9	-	2.9	-	1.0	-	1.5
3721	Aircraft	-	2.3	-	.9	-	2.3	-	.9	-	1.1
3722	Aircraft engines and engine parts	-	1.3	-	.6	-	3.2	-	.9	-	1.7
3723,9	Other aircraft parts and equipment	-	2.7	-	1.7	-	4.3	-	1.4	-	2.2
373	Ship and boat building and repairing	-	8.7	-	5.1	-	9.8	-	3.8	-	4.5
3731	Ship building and repairing	-	8.8	-	4.5	-	9.6	-	3.1	-	5.0
374	Railroad equipment	-	6.0	-	3.3	-	6.3	-	1.4	-	3.2
375,9	Other transportation equipment	-	8.8	-	8.1	-	9.1	-	6.2	-	1.0
38	INSTRUMENTS AND RELATED PRODUCTS	3.7	3.1	2.9	2.3	3.7	3.2	2.2	1.8	.7	.6
381	Engineering & scientific instruments	-	2.5	-	1.6	-	2.6	-	1.3	-	.6
382	Mechanical measuring & control devices	-	3.0	-	1.9	-	3.1	-	1.8	-	.5
3821	Mechanical measuring devices	-	2.3	-	1.8	-	2.6	-	1.5	-	.4
3822	Automatic temperature controls	-	4.1	-	2.2	-	4.1	-	2.4	-	.8
383,5	Optical and ophthalmic goods	-	4.1	-	3.2	-	3.8	-	2.3	-	.7
384	Medical instruments and supplies	-	3.5	-	3.0	-	4.3	-	2.6	-	.8
386	Photographic equipment and supplies	-	1.6	-	1.4	-	1.8	-	.8	-	.3
387	Watches, clocks, and warcheases	-	8.1	-	5.7	-	5.7	-	3.1	-	1.2
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	6.7	6.6	5.6	5.4	6.6	6.0	4.2	3.6	1.3	1.3
391	Jewelry, silverware, and plated ware	-	5.6	-	4.3	-	3.8	-	2.7	-	.4
394	Toys and sporting goods	-	9.5	-	8.2	-	9.7	-	5.3	-	2.8
3941-3	Games, toys, dolls, & play vehicles	-	12.2	-	10.7	-	11.5	-	6.2	-	3.3
3949	Sporting and athletic goods, n e c	-	5.6	-	4.6	-	7.0	-	3.9	-	2.1
395	Pens, pencils, office and art supplies	-	3.2	-	2.7	-	3.3	-	1.9	-	.6
396	Costume jewelry and notions	-	5.8	-	4.2	-	4.6	-	3.1	-	.7
393,9	Other manufacturing industries	-	5.6	-	4.6	-	5.0	-	3.1	-	.8
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	8.3	9.4	5.6	6.9	10.2	7.8	5.3	4.5	4.1	2.5
201	Meat products	-	7.8	-	5.4	-	8.2	-	5.2	-	2.2
2011	Meat packing plants	-	6.3	-	2.6	-	7.1	-	2.6	-	3.9
2015	Poultry dressing plants	-	12.8	-	11.4	-	12.6	-	11.2	-	.1
204	Grain mill products	-	3.7	-	2.8	-	4.3	-	2.6	-	.8
2041	Flour and other grain mill products	-	3.4	-	2.8	-	4.4	-	2.8	-	.7
2042	Prepared feeds for animals and fowls	-	4.1	-	3.2	-	4.6	-	2.8	-	.9
205	Bakery products	-	4.0	-	3.3	-	4.6	-	2.9	-	.9
2051	Bread, cake, and related products	-	3.7	-	3.2	-	4.4	-	2.9	-	.8
2052	Cookies and crackers	-	5.5	-	3.8	-	5.5	-	2.8	-	1.6
207	Confectionery and related products	-	9.2	-	5.4	-	5.5	-	3.8	-	1.0
2071	Confectionery products	-	10.8	-	5.9	-	6.1	-	4.1	-	1.3
208	Beverages	-	4.6	-	3.4	-	6.3	-	3.6	-	1.8
2082	Malt liquors	-	3.1	-	1.2	-	4.7	-	.9	-	3.3
21	TOBACCO MANUFACTURES	8.2	19.1	5.9	12.5	5.4	10.5	2.9	4.2	1.4	5.2
211	Cigarettes	-	2.1	-	1.0	-	2.5	-	1.8	-	(1)
212	Cigars	-	7.8	-	4.9	-	4.7	-	3.8	-	.4

See footnotes at end of table.

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

SIC Code	Industry	(Per 100 employees)									
		Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971		
	<i>Nondurable Goods--Continued</i>										
22	TEXTILE MILL PRODUCTS	6.2	6.1	5.0	4.9	6.5	6.7	4.7	4.7	.8	.7
221	Weaving mills, cotton.....	-	6.0	-	5.0	-	6.5	-	5.1	-	.2
222	Weaving mills, synthetics.....	-	5.9	-	4.9	-	6.1	-	4.5	-	.4
223	Weaving and finishing mills, wool.....	-	6.7	-	3.1	-	11.2	-	3.2	-	5.1
224	Narrow fabric mills.....	-	5.6	-	4.4	-	5.3	-	3.9	-	.7
225	Knitting mills.....	-	5.8	-	4.5	-	6.2	-	4.6	-	.7
2251	Women's hosiery, except socks.....	-	4.6	-	3.2	-	4.3	-	3.4	-	.3
2252	Hosiery, n e c.....	-	5.4	-	4.5	-	6.3	-	5.2	-	.2
2254	Knit underwear mills.....	-	5.4	-	3.9	-	5.6	-	4.7	-	.3
226	Textile finishing, except wool.....	-	5.4	-	4.4	-	6.3	-	4.1	-	.7
227	Floor covering mills.....	-	7.2	-	6.2	-	7.0	-	4.8	-	.8
228	Yarn and thread mills.....	-	7.6	-	6.2	-	8.2	-	6.2	-	.7
229	Miscellaneous textile goods.....	-	5.3	-	4.0	-	5.7	-	3.4	-	1.2
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.0	7.4	4.4	4.5	6.2	6.3	3.9	4.0	1.4	1.3
231	Men's and boys' suits and coats.....	-	5.7	-	2.8	-	3.4	-	1.9	-	.6
232	Men's and boys' furnishings.....	-	7.0	-	5.7	-	6.9	-	5.4	-	.7
2321	Men's and boys' shirts and nightwear.....	-	6.5	-	5.1	-	6.8	-	5.2	-	.8
2327	Men's and boys' separate trousers.....	-	7.0	-	6.0	-	6.9	-	5.8	-	.3
2328	Men's and boys' work clothing.....	-	7.4	-	6.4	-	7.3	-	6.0	-	.5
234	Women's and children's undergarments.....	-	7.3	-	5.2	-	6.2	-	4.7	-	.8
2341	Women's and children's underwear.....	-	7.4	-	5.3	-	6.4	-	5.1	-	.6
2342	Corsets and allied garments.....	-	7.1	-	4.9	-	5.8	-	3.6	-	1.6
26	PAPER AND ALLIED PRODUCTS	3.1	3.3	2.6	2.6	4.3	4.0	2.7	2.4	.8	.7
261,2,6	Paper and pulp mills.....	-	1.6	-	1.2	-	2.5	-	1.5	-	.4
263	Paperboard mills.....	-	2.5	-	1.7	-	3.1	-	1.6	-	.6
264	Misc. converted paper products.....	-	3.7	-	3.1	-	4.7	-	2.7	-	1.1
2643	Bags, except textile bags.....	-	4.5	-	3.5	-	5.0	-	2.9	-	1.0
265	Paperboard containers and boxes.....	-	4.7	-	3.8	-	5.0	-	3.2	-	.8
2651,2	Folding and setup paperboard boxes.....	-	4.7	-	3.6	-	4.6	-	2.9	-	.9
2653	Corrugated and solid fiber boxes.....	-	4.3	-	3.7	-	4.8	-	3.3	-	.4
	PRINTING AND PUBLISHING	3.7	3.3	3.0	2.5	3.9	3.9	2.4	2.3	.7	.9
28	CHEMICALS AND ALLIED PRODUCTS	2.0	2.0	1.5	1.5	2.9	2.9	1.6	1.5	.6	.7
281	Industrial chemicals.....	-	1.4	-	.8	-	2.1	-	1.1	-	.4
282	Plastics materials and synthetics.....	-	1.5	-	1.3	-	2.4	-	1.3	-	.4
2821	Plastics materials and resins.....	-	1.4	-	1.1	-	2.4	-	1.4	-	.3
2823,4	Synthetic fibers.....	-	1.7	-	1.4	-	2.4	-	1.2	-	.5
283	Drugs.....	-	1.9	-	1.3	-	2.5	-	1.4	-	.5
2834	Pharmaceutical preparations.....	-	2.2	-	1.5	-	2.6	-	1.5	-	.6
284	Soap, cleaners, and toilet goods.....	-	3.7	-	3.0	-	4.6	-	2.4	-	1.3
2841	Soap and other detergents.....	-	2.1	-	1.1	-	3.0	-	1.0	-	1.4
2844	Toilet preparations.....	-	5.4	-	4.7	-	5.4	-	3.0	-	1.4
285	Paints and allied products.....	-	2.2	-	1.9	-	3.5	-	2.3	-	.4
286,9	Other chemical products.....	-	2.3	-	1.5	-	3.8	-	1.6	-	1.3
29	PETROLEUM AND COAL PRODUCTS	2.3	1.9	1.9	1.7	3.0	3.0	1.7	1.7	.5	.5
291	Petroleum refining.....	-	1.1	-	.9	-	2.5	-	1.1	-	.6
295,9	Other petroleum and coal products.....	-	5.4	-	5.0	-	5.2	-	3.8	-	.4
30	RUBBER AND PLASTICS PRODUCTS, N E C.	5.0	5.4	3.9	3.8	5.4	5.6	3.3	3.1	1.0	1.4
301	Tires and inner tubes.....	-	1.9	-	1.3	-	2.2	-	1.2	-	.3
302,3,6	Other rubber products.....	-	5.9	-	3.4	-	6.0	-	2.7	-	2.1
307	Miscellaneous plastics products.....	-	6.6	-	5.2	-	6.8	-	4.0	-	1.5

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971	Sept. 1971 ^P	Aug. 1971
	<i>Nondurable Goods--Continued</i>										
31	LEATHER AND LEATHER PRODUCTS	5.8	5.8	4.1	4.2	7.9	8.0	4.4	4.3	2.4	2.5
311	Leather tanning and finishing	-	4.3	-	3.3	-	7.2	-	3.0	-	3.4
314	Footwear, except rubber	-	5.6	-	3.9	-	8.0	-	4.4	-	2.4
	NONMANUFACTURING										
10	METAL MINING	2.7	3.0	2.1	2.3	4.8	4.5	3.5	2.8	.5	.9
101	Iron ores	-	1.2	-	.6	-	4.2	-	1.4	-	1.7
102	Copper ores	-	3.9	-	2.8	-	4.5	-	2.9	-	.8
11,12	COAL MINING	2.1	2.0	1.8	1.8	2.0	2.2	1.3	1.4	.3	.2
12	Bituminous coal and lignite mining	-	2.0	-	1.8	-	2.2	-	1.4	-	.2
	COMMUNICATION:										
481	Telephone communication	-	1.7	-	1.3	-	2.3	-	1.6	-	.3
482	Telegraph communication ²	-	(³)	-	(³)	-	(³)	-	(³)	-	(³)

¹ Less than 0.05

² Data relate to all employees except messengers.

³ Not available

^P Preliminary

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVERD-3: Labor turnover rates in manufacturing, 1960 to date
seasonally adjusted

(Per 100 employees)

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

p=preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Aug 1971 ^p	July 1971	Aug 1971 ^p	July 1971	Aug 1971 ^p	July 1971	Aug 1971 ^p	July 1971	Aug 1971 ^p	July 1971
ALABAMA:										
Birmingham	4.1	3.3	2.8	2.5	4.8	4.6	2.2	1.5	1.7	2.1
Mobile ¹	5.7	6.7	1.3	4.3	14.4	4.6	2.3	1.8	11.5	2.1
ALASKA	17.8	29.1	13.2	22.9	33.5	21.7	8.4	4.2	23.8	16.9
ARIZONA	5.5	5.3	4.0	3.9	5.9	5.0	3.2	2.6	1.7	1.4
Phoenix	5.1	5.2	3.5	3.6	5.6	4.8	2.8	2.3	1.7	1.5
ARKANSAS	8.1	6.8	7.0	5.7	9.0	6.3	6.3	4.5	1.5	.8
Fort Smith	8.2	7.9	7.4	7.3	8.0	7.7	6.2	5.8	.8	.1
Little Rock-North Little Rock	8.9	6.1	8.1	4.9	9.0	7.3	6.6	4.6	.7	1.2
Pine Bluff	5.4	5.9	3.9	4.5	7.7	5.4	4.7	3.1	2.0	1.5
COLORADO	6.2	5.0	4.5	4.1	6.6	4.4	3.8	2.4	1.8	1.0
Denver	6.2	5.1	4.7	4.3	5.6	4.3	3.9	2.5	.7	.8
CONNECTICUT	2.9	2.3	2.0	1.5	3.3	3.1	1.7	1.2	.8	1.1
Hartford	(*)	1.8	(*)	1.1	(*)	3.0	(*)	.8	(*)	1.2
DELAWARE ¹	14.1	2.1	2.4	1.3	8.0	8.0	1.8	1.0	5.4	6.2
Wilmington ¹	14.6	2.1	2.3	1.2	8.4	8.2	1.7	.9	6.0	6.4
DISTRICT OF COLUMBIA:										
Washington SMSA	(*)	2.2	(*)	2.1	(*)	2.6	(*)	1.9	(*)	.2
FLORIDA	7.1	5.8	5.9	4.9	7.0	7.0	4.4	3.6	1.4	2.0
Fort Lauderdale-Hollywood	7.9	6.3	7.2	5.8	5.5	6.7	3.9	4.8	.6	.7
Jacksonville	6.6	7.4	4.9	5.0	6.5	6.6	3.7	3.0	1.2	2.2
Miami	5.5	4.9	4.6	4.1	6.1	6.0	3.3	2.5	1.7	2.6
Orlando	4.6	4.3	3.9	3.1	5.6	5.5	3.1	2.4	1.6	1.8
Pensacola	1.7	2.2	1.6	2.0	3.9	2.2	1.9	1.4	1.8	.1
Tampa-St. Petersburg	9.2	7.1	7.6	6.3	7.8	8.4	5.6	4.7	.9	2.5
West Palm Beach	4.3	2.4	2.9	1.7	7.6	3.1	2.1	2.2	4.8	.1
GEORGIA	6.3	4.8	5.1	4.0	6.5	6.4	4.8	3.5	.7	2.0
Atlanta ²	5.4	4.0	4.4	3.4	5.4	11.0	3.7	2.9	.6	7.3
HAWAII ³	2.3	2.0	1.8	1.4	3.1	2.1	1.8	1.0	.4	.5
IDAHO ⁴	15.4	11.0	9.9	7.4	11.3	12.2	4.8	4.5	5.3	6.2
ILLINOIS:										
Chicago	3.6	2.9	2.9	2.3	4.2	3.2	2.3	1.6	.9	.8
INDIANA ¹	4.8	3.2	2.2	1.7	5.6	4.7	2.0	1.6	2.7	2.5
Indianapolis ⁵	2.7	4.6	1.6	1.4	2.6	4.3	1.3	1.1	.5	2.6
IOWA	4.8	3.6	3.2	2.3	4.2	3.2	2.7	1.5	.9	1.1
Cedar Rapids	4.1	2.5	2.2	1.2	3.1	3.3	1.6	1.2	1.1	1.7
Des Moines	2.6	3.2	1.9	2.6	4.6	2.7	2.8	1.8	1.0	.1
KANSAS	4.3	3.5	3.2	2.6	4.8	3.6	3.0	1.9	1.1	.9
Topeka	2.3	1.8	2.0	1.3	4.9	3.5	2.8	1.2	1.7	1.7
Wichita	3.8	4.3	1.8	2.6	2.7	2.6	1.5	1.3	.8	.6
KENTUCKY	3.9	3.2	2.3	2.4	4.7	3.7	2.5	1.7	1.2	1.3
Louisville	3.0	2.6	1.7	1.7	3.6	2.4	2.1	1.1	.6	.6
LOUISIANA:										
New Orleans	5.8	4.3	3.9	3.3	6.3	4.5	3.3	1.7	1.5	1.5
MAINE	7.3	6.7	5.6	3.9	7.7	6.2	3.8	2.9	2.9	2.5
Portland	3.9	5.3	3.0	3.9	5.0	3.8	3.3	3.0	1.0	.3
MARYLAND	5.7	3.9	2.9	2.8	6.8	4.3	2.2	1.7	3.6	1.8
Baltimore	6.1	3.3	2.9	2.4	7.8	4.4	2.2	1.6	4.6	2.0
MASSACHUSETTS	4.0	3.2	2.8	2.1	4.7	4.3	2.5	1.6	1.4	1.9
Boston	3.4	2.8	2.5	2.0	4.6	4.4	2.2	1.4	1.5	2.3
MICHIGAN	6.9	3.6	2.1	1.7	6.5	7.1	1.6	.9	3.9	5.1
Detroit	6.7	2.8	2.3	1.4	4.8	7.3	1.5	.9	2.2	4.9

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	
Aug. 1971 P	July 1971	Aug. 1971 P	July 1971	Aug. 1971 P	July 1971	Aug. 1971 P	July 1971	Aug. 1971 P	July 1971	
MINNESOTA	5.1	3.2	3.7	2.0	5.2	3.1	2.5	1.4	1.8	1.0
Minneapolis-St. Paul	3.3	2.8	2.3	1.8	4.0	2.9	1.8	1.3	1.4	1.1
MISSISSIPPI:										
Jackson	(*)	3.8	(*)	3.5	(*)	3.5	(*)	2.4	(*)	.3
MISSOURI	3.8	3.3	2.7	2.3	5.1	3.9	2.7	1.7	1.6	1.5
Kansas City	3.7	2.6	2.9	2.1	6.6	7.3	2.9	1.9	2.9	4.6
St. Louis	3.1	2.4	1.8	1.4	3.6	3.3	1.7	1.0	1.1	1.5
MONTANA	4.4	5.6	4.1	4.4	5.7	3.8	3.3	1.6	1.4	.8
NEBRASKA	4.7	3.3	3.9	2.6	5.6	3.4	3.9	2.0	.8	.4
NEVADA	7.4	7.8	6.6	7.0	12.2	8.1	4.6	3.5	6.0	2.4
NEW HAMPSHIRE	6.1	3.6	4.3	3.0	5.6	4.8	3.6	2.6	1.1	1.4
NEW JERSEY:										
Camden ⁶	4.7	3.5	3.4	2.4	4.4	3.8	2.6	1.2	.8	1.8
Jersey City	3.7	4.4	2.7	2.1	4.0	5.4	1.6	1.1	1.5	3.5
Newark	5.4	3.4	2.5	2.1	4.6	6.3	2.1	1.3	1.5	4.2
Paterson-Clifton-Passaic	4.3	4.2	2.7	2.3	4.5	5.3	2.1	1.5	1.3	2.9
Perth Amboy	3.6	3.9	2.1	2.0	4.2	4.4	2.2	1.2	1.2	2.5
Trenton	4.5	2.8	2.2	1.3	3.6	4.6	1.7	.9	.9	2.7
NEW YORK	5.5	4.8	2.9	2.6	5.1	5.9	2.0	1.4	2.2	3.7
Albany-Schenectady-Troy	4.2	3.5	1.7	1.7	5.3	3.2	1.6	1.1	2.7	1.3
Binghamton	4.3	2.2	1.8	.9	2.3	4.5	1.2	.9	.5	3.2
Buffalo	5.5	5.5	1.6	2.0	9.7	10.0	1.4	.9	7.6	8.1
Elmira	4.3	2.6	2.0	1.5	4.1	3.6	1.4	1.0	1.7	1.9
Monroe County ⁷	2.9	2.4	2.0	1.9	2.6	2.5	1.5	.9	.4	1.0
Nassau and Suffolk Counties ⁸	5.2	4.4	3.4	2.9	5.2	5.5	2.7	1.8	1.4	3.0
New York SMSA	6.1	5.6	3.3	3.1	5.0	6.6	2.1	1.7	1.9	4.0
New York City ⁸	6.0	6.1	3.4	3.3	4.8	6.9	1.9	1.7	1.8	4.3
Rochester	4.2	3.3	3.0	2.4	3.0	2.6	1.7	1.0	.6	1.0
Syracuse	3.8	2.9	3.0	1.8	3.0	3.1	1.8	1.2	.6	.9
Utica-Rome	3.8	2.6	2.1	1.3	4.8	5.0	1.4	.9	2.8	3.5
Westchester County ⁸	7.9	3.0	2.2	1.7	6.2	6.3	1.9	1.2	3.6	4.5
NORTH CAROLINA	6.5	4.5	5.3	3.8	6.5	4.9	5.2	3.6	.3	.4
Charlotte	6.1	5.2	5.5	4.3	6.4	4.4	5.3	3.6	.2	.1
Greensboro-Winston-Salem-High Point	5.7	3.7	4.5	3.2	6.3	3.9	5.0	2.9	.3	.2
NORTH DAKOTA	6.1	4.5	3.2	3.5	6.0	5.3	4.3	2.4	.8	2.2
Fargo-Moorhead	4.1	5.1	3.3	4.0	4.3	3.1	2.8	2.1	.8	.7
OHIO	3.7	3.0	2.1	1.4	4.6	3.5	1.4	.9	2.4	1.8
Akron	2.2	2.2	1.2	1.1	2.6	2.3	.8	.7	1.0	1.1
Canton	3.1	2.8	1.0	1.0	3.9	4.0	1.1	.8	1.8	2.2
Cincinnati	2.7	2.8	1.8	1.8	3.5	2.7	1.6	.9	1.1	.9
Cleveland	3.4	4.4	1.8	1.4	4.9	4.9	1.4	1.0	2.6	3.0
Columbus	3.8	2.3	2.2	1.6	3.6	2.9	1.9	1.3	1.1	1.0
Dayton	4.2	3.4	1.0	1.0	4.3	2.3	.9	.7	2.5	.7
Toledo	4.1	3.1	2.4	1.8	3.7	3.4	1.4	1.0	1.4	1.4
Youngstown-Warren	2.6	1.6	.8	.9	10.7	4.3	.9	.6	8.8	2.3
OKLAHOMA	5.9	4.8	4.9	3.8	6.5	4.9	4.2	3.1	1.3	.9
Oklahoma City	8.9	6.2	7.4	4.5	8.2	5.8	5.7	3.5	1.5	1.1
Tulsa ⁹	5.3	4.2	4.7	3.7	7.2	4.4	3.7	2.7	2.1	.6
OREGON ¹	5.3	4.5	4.4	3.7	5.4	4.2	3.0	2.1	1.5	1.3
Portland ¹	5.0	3.5	3.7	2.7	4.6	3.3	2.2	1.6	1.6	1.1
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	6.7	3.8	2.0	1.6	4.7	8.8	1.8	1.2	2.2	6.6
Altoona	2.9	4.1	2.2	2.7	7.1	5.4	2.4	2.2	1.0	2.6
Erie	5.0	4.1	2.8	1.9	4.7	3.8	2.1	1.0	1.4	1.9
Harrisburg	4.7	3.4	3.9	2.5	4.9	2.9	2.6	1.7	1.7	.6
Johnstown	2.7	2.0	1.2	1.1	13.4	9.3	1.4	1.2	11.4	7.7
Lancaster	3.1	3.6	2.4	2.0	3.7	3.3	2.8	1.6	.2	1.1

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	
	Aug. 1971 ^p	July 1971	Aug. 1971 ^p	July 1971	Aug. 1971 ^p	July 1971	Aug. 1971 ^p	July 1971	Aug. 1971 ^p	July 1971
PENNSYLVANIA—Continued										
Philadelphia SMSA	4.0	3.3	2.3	1.9	4.3	4.3	2.0	1.2	1.3	2.4
Pittsburgh	2.7	2.4	1.0	1.2	6.5	3.8	1.4	.6	4.3	2.5
Reading	4.0	2.9	2.6	1.8	4.4	4.4	2.1	1.6	1.6	2.1
Scranton	4.4	6.0	2.4	2.7	4.2	5.0	1.7	1.6	1.7	2.4
Wilkes-Barre—Hazleton	4.2	3.8	2.3	1.8	5.5	5.7	2.1	1.6	2.8	3.3
York	5.5	4.3	2.8	2.5	5.0	5.8	3.4	2.0	1.0	3.0
RHODE ISLAND										
Providence—Pawtucket—Warwick	5.5	6.6	4.1	2.8	5.1	7.4	2.8	1.9	1.2	4.6
	5.4	6.1	4.1	2.8	4.8	7.0	2.8	1.8	1.1	4.4
SOUTH CAROLINA:										
Greenville	7.5	5.4	6.0	4.6	6.6	5.8	5.2	3.9	.1	.8
SOUTH DAKOTA										
Sioux Falls	4.3	4.0	2.8	2.4	6.1	3.9	3.8	2.0	1.3	1.4
	5.5	6.7	2.3	3.0	6.6	4.2	3.6	1.5	2.4	2.3
TENNESSEE:										
Memphis	5.4	4.8	4.3	3.9	5.2	4.7	3.0	2.4	1.0	1.1
TEXAS:										
Dallas	5.7	4.1	5.1	3.6	6.5	4.3	4.4	2.8	1.1	.8
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	4.4	3.7	3.8	3.3	5.0	3.9	3.6	2.5	.4	.5
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH⁴										
Salt Lake City ⁴	4.4	7.0	3.6	3.6	5.3	4.0	2.8	2.2	1.6	1.1
	4.0	3.9	3.6	3.2	4.4	3.8	2.8	2.2	.7	1.1
VERMONT										
Burlington	3.4	2.6	2.4	1.7	3.0	2.7	1.9	1.5	.5	.5
Springfield	1.4	1.4	.8	.7	2.6	2.4	1.4	.9	.5	.6
	3.0	2.1	.6	.7	1.8	1.8	.8	.8	.7	.6
VIRGINIA										
Richmond	5.3	4.4	4.1	3.4	5.4	4.5	3.8	2.6	.7	1.0
	4.7	3.1	3.9	2.1	3.8	2.5	2.7	1.6	.1	.3
WASHINGTON:										
Seattle—Everett ¹⁰	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
WEST VIRGINIA:										
Charleston	(*)	1.1	(*)	.8	(*)	.9	(*)	.4	(*)	.1
WISCONSIN										
Milwaukee	6.2	4.0	3.3	2.6	4.9	4.5	2.8	1.1	1.3	2.6
	4.4	2.7	2.0	1.6	4.3	3.8	2.2	1.1	1.2	1.9
WYOMING										
	6.0	6.6	5.1	5.5	6.5	4.2	5.0	2.7	.9	1.1

1 Excludes canning and preserving.
 2 Excludes agricultural chemicals and miscellaneous manufacturing.
 3 Excludes canned fruits, vegetables, preserves, jams and jellies.
 4 Excludes canning and preserving, and sugar.
 5 Excludes canning and preserving, and newspapers.
 6 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
 7 Subarea of Rochester Standard Metropolitan Statistical Area.
 8 Subarea of New York Standard Metropolitan Statistical Area.
 9 Excludes new-hire rate for transportation equipment.
 10 Excludes canning and preserving, printing and publishing.
 * Not available.
 p= preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

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

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Number of job vacancies (In thousands)													
1969.....	-	-	-	293	290	240	256	312	288	242	209	185	263
1970.....	186	170	165	158	151	123	126	137	118	93	76	77	132
1971.....	81	80	83	93	95	89	³ 90	³ 106	³ 97 ^p				
Job vacancy rates ¹													
1969.....	-	-	-	1.4	1.4	1.2	1.3	1.5	1.4	1.2	1.0	0.9	1.3
1970.....	0.9	0.8	0.8	.8	.8	.6	.6	.7	.6	.5	.4	.4	.7
1971.....	.4	.4	.4	.5	.5	.5	³ .5	³ .6	³ .5 ^p				
Number of long-term job vacancies ² (In thousands)													
1969.....	-	-	-	137	131	110	109	121	127	111	101	90	120
1970.....	76	69	67	60	58	45	44	43	38	33	30	29	49
1971.....	28	27	27	28	27	25	³ 26	³ 28	³ 30 ^p				
Long-term job vacancy rates ²													
1969.....	-	-	-	0.7	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.6
1970.....	0.4	0.3	0.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.3
1971.....	.1	.1	.1	.2	.1	.1	³ .1	³ .2	³ .2 ^p				

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

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

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

^p=preliminary.

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

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

¹ See footnote 1, table E-1.

² See footnote 2, table E-1.

³ Percentages are computed using unrounded rates.

^p=preliminary.

⁴ See footnote 3, table E-1.

* Less than 0.05.

ESTABLISHMENT DATA
NATIONAL AND AREA JOB VACANCY

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

Industry division and group	1971									1970			
	¹ Sept.P	¹ Aug.	¹ 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	51.2	50.6	50.6	48.7	47.2	49.4	47.8	49.6	46.9	48.5	46.6	49.1	48.8
Primary metal industries	2.3	2.0	2.3	3.0	4.2	4.9	4.8	5.0	4.1	4.1	3.8	3.5	5.0
Machinery, except electrical	8.6	7.0	7.6	7.2	7.2	7.3	7.9	8.0	8.4	8.9	9.1	8.6	8.5
Electrical equipment and supplies	9.5	10.1	9.6	9.5	8.5	8.6	7.7	9.5	8.5	9.0	8.4	9.0	9.3
Transportation equipment	8.7	9.7	9.3	8.3	8.0	7.9	7.6	7.8	7.9	8.6	7.5	7.0	5.9
Instruments and related products	2.9	3.4	3.8	4.4	3.4	3.6	3.0	2.6	3.1	2.6	2.4	3.1	2.5
Other durable goods industries	19.2	18.5	18.0	16.3	15.9	17.2	16.7	16.6	14.9	15.3	15.5	17.9	17.5
Nondurable goods	48.8	49.4	49.4	51.3	52.8	50.6	52.2	50.4	53.1	51.5	53.4	50.9	51.2
Textile mill products	9.1	9.5	8.6	9.2	8.9	8.7	9.0	7.5	7.9	7.7	8.1	8.1	8.1
Apparel and other textile products	18.1	18.3	19.2	19.9	20.1	19.7	21.5	21.0	21.0	20.4	20.7	17.2	16.3
Printing and publishing	3.5	4.1	4.0	3.9	3.9	4.3	4.7	4.9	6.0	4.1	5.2	5.2	4.6
Chemicals and allied products	3.6	3.7	4.6	4.8	5.1	4.9	5.7	5.8	4.9	6.1	5.4	4.6	5.2
Other nondurable goods industries	14.4	13.9	12.8	13.4	14.9	13.0	11.6	11.3	13.3	13.2	14.0	15.9	17.0

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

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

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total ¹		Long-term ²			Total ¹		Long-term ²	
	1971 Aug.P	1971 July	1971 Aug.P	1971 July		1971 Aug.P	1971 July	1971 Aug.P	1971 July
Manufacturing					Nonmanufacturing⁴				
United States ³	0.6	0.5	0.2	0.1					
Albany-Schenectady-Troy, N.Y. . . . .	.4	.3	.1	.1	Mining:				
Atlanta, Ga . . . . .	.5	.6	.1	.1	New Orleans, La . . . . .	.4	2.0	.1	.3
Baltimore, Md . . . . .	.6	.5	.2	.2	Phoenix, Ariz.	(⁶)	(⁶)	(⁶)	(⁶)
Boston, Mass . . . . .	.7	.7	.2	.2	Portland, Oreg.	(⁶)	(⁶)	(⁶)	(⁶)
Buffalo, N.Y . . . . .	.3	.2	.1	.1	Construction:				
Cedar Rapids, Iowa . . . . .	.3	.1	*	*	Portland, Oreg. . . . .	.4	.8	.1	.3
Dallas, Tex . . . . .	.6	.8	.1	.3	Wholesale and Retail				
Denver, Colo . . . . .	.4	.3	.1	.1	Trade:				
Des Moines, Iowa . . . . .	.6	.3	*	*	Boston, Mass . . . . .	.4	.3	*	.1
Detroit, Mich . . . . .	.2	.2	*	*	Phoenix, Ariz . . . . .	.6	.2	*	*
Greensboro-Winston-Salem-Highpoint, N.C	1.3	1.0	.3	.2	Portland, Oreg. . . . .	.5	.5	.1	*
Greenville, S.C . . . . .	.7	.7	.1	.1	Finance, Insurance and Real Estate:				
Houston, Tex . . . . .	.8	.6	.3	.2	Boston, Mass	1.7	1.5	.4	.4
Jersey City, N.J . . . . .	.3	.3	.1	.1	Hartford, Conn	2.7	2.3	1.3	1.7
Kansas City, Mo . . . . .	.3	.4	*	.1	Phoenix, Ariz	1.0	1.0	.2	.1
Little Rock-North Little Rock, Ark . . . . .	.7	.6	.1	.1	Portland, Oreg. . . . .	.6	.7	.2	.1
Memphis, Tenn . . . . .	.3	.1	.1	.1	Salt Lake City, Utah . . . . .	.8	.5	.1	.1
Miami, Fla . . . . .	.6	.4	*	*	Service:				
Milwaukee, Wisc . . . . .	.4	.4	.1	.1	Boston, Mass	1.1	1.1	.4	.4
Minneapolis-St. Paul, Minn . . . . .	.5	.4	.1	.1	Phoenix, Ariz . . . . .	.8	.7	.1	.1
Newark, N.J . . . . .	.5	.4	.1	.1	Portland, Oreg. . . . .	.9	.7	.1	.2
New Orleans, La . . . . .	.5	.6	.4	N.A.	Government:				
New York, N.Y . . . . .	.5	.5	.2	.2	Atlanta, Ga	1.6	1.5	.8	.8
Oklahoma City, Okla	1.0	.6	.1	.1	Boston, Mass . . . . .	.6	1.5	.3	1.0
Paterson-Clifton-Passaic, N.J. . . . .	.3	.3	.1	.1	Phoenix, Ariz	1.0	1.0	.1	.4
Perth Amboy, N.J . . . . .	.5	.6	.2	.2	Portland, Oreg. ⁵ . . . . .	.9	.9	.2	.2
Philadelphia, Pa . . . . .	.5	.5	.1	.1					
Phoenix, Ariz. ⁶ . . . . .	.9	.6	.1	.1	All Nonagricultural Industries				
Portland, Oreg . . . . .	.4	.4	*	*	Phoenix, Ariz . . . . .	.8	.6	.1	.1
Providence-Pawtucket-Warwick, R.I.	1.0	.7	.3	.2	Portland, Oreg . . . . .	.6	.5	.1	.1
Richmond, Va . . . . .	.7	.5	.2	.1	Salt Lake City, Utah . . . . .	.7	.6	.1	.1
St. Louis, Mo . . . . .	.3	.3	.1	.1					
Salt Lake City, Utah . . . . .	.4	.4	*	.1					
Sioux Falls, S.D . . . . .	.6	.9	*	*					
Syracuse, N.Y . . . . .	.4	.5	*	.1					
Tampa-St. Petersburg, Fla . . . . .	.7	.9	.1	.1					
Wichita, Kans . . . . .	.3	.3	.1	.1					

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

SOURCE: Cooperating State agencies listed on inside back cover.

F.1: Insured unemployment under State programs

State	(Week including the 12th of the month)					Rate (percent of average covered employment)			
	Number (in thousands)				Change from ¹ October 1971		Oct. 1971	Sept. 1971	Oct. 1970
	Oct. 1971	Sept. 1971	Oct. 1970	Sept. 1971	Oct. 1970				
TOTAL ^{2,3}	1,742.3	*1,733.1	1,727.6	-8.7	-3.3	3.2	3.2	3.2	
SEASONALLY ADJUSTED	2,381.2	*2,352.0	2,379.2	29.2	2.0	4.5	4.4	4.5	
Alabama	22.8	22.7	21.8	1.1	1.0	3.2	3.2	3.1	
Alaska	3.0	2.4	3.1	.6	-.1	5.4	4.2	5.7	
Arizona	8.8	8.9	9.8	-.1	-1.0	2.2	2.3	2.6	
Arkansas	12.3	11.1	12.5	1.2	-.3	3.1	2.8	3.1	
California	226.8	233.1	264.4	-6.3	-37.6	4.4	4.4	5.0	
Colorado	5.9	5.8	5.1	-	.7	1.1	1.1	1.0	
Connecticut	61.7	62.0	46.7	-.2	15.0	6.1	6.1	4.6	
Delaware	2.8	3.0	3.6	-.2	-.8	1.7	1.8	2.1	
District of Columbia	5.8	5.9	5.1	-.1	.6	1.6	1.7	1.5	
Florida	37.2	40.3	36.3	-3.1	.9	2.4	2.6	2.4	
Georgia	15.7	18.9	19.1	-3.2	-3.5	1.4	1.7	1.7	
Hawaii	12.7	12.8	7.8	-	4.9	4.8	4.9	3.2	
Idaho	3.5	4.3	3.0	-.8	.5	2.3	2.8	2.0	
Illinois	74.1	72.5	66.4	1.6	7.7	2.3	2.3	2.0	
Indiana	33.3	31.6	40.1	1.7	-6.8	2.4	2.3	2.8	
Iowa	9.3	8.9	9.9	.5	-.6	1.6	1.5	1.7	
Kansas	9.7	10.4	15.2	-.7	-5.5	2.3	2.4	3.4	
Kentucky	15.8	17.3	15.3	-1.5	.5	2.5	2.8	2.5	
Louisiana	22.2	24.1	23.2	-1.9	-1.0	3.1	3.3	3.2	
Maine	12.5	12.4	9.3	.1	3.2	5.6	5.5	4.1	
Maryland	29.0	31.0	19.9	-2.0	9.1	3.1	3.3	2.1	
Massachusetts	73.9	75.1	75.2	-1.2	-1.2	4.3	4.3	4.3	
Michigan	84.5	*86.0	114.1	-1.5	-29.6	3.6	3.6	4.6	
Minnesota	17.8	18.1	18.8	-.3	-1.0	1.8	1.8	1.9	
Mississippi	6.0	7.7	7.0	-1.8	-1.1	1.5	2.0	1.8	
Missouri	33.7	34.7	34.1	-1.0	-.4	2.9	2.9	2.8	
Montana	4.0	*3.5	2.6	.5	1.5	3.2	2.7	2.0	
Nebraska	3.2	*3.5	4.2	-.3	-.9	1.0	1.1	1.4	
Nevada	7.4	7.3	5.4	.1	2.0	4.6	4.5	3.4	
New Hampshire	4.2	5.7	5.3	-1.5	-1.1	2.2	2.9	2.7	
New Jersey	94.0	88.1	82.9	5.9	11.2	4.6	4.3	4.0	
New Mexico	6.3	6.1	7.3	.2	-1.0	3.4	3.3	3.9	
New York	244.3	244.1	204.3	.2	40.0	4.3	4.3	3.6	
North Carolina	19.4	20.6	24.9	-1.2	-5.5	1.4	1.5	1.9	
North Dakota	.9	.9	.8	-	.2	1.1	1.1	.9	
Ohio	74.9	78.9	72.0	-4.1	2.9	2.6	2.7	2.4	
Oklahoma	15.1	14.5	15.3	.7	-.2	3.0	2.9	3.1	
Oregon	19.1	19.8	20.3	-.7	-1.2	3.5	3.7	3.7	
Pennsylvania	124.8	116.5	110.1	8.3	14.7	3.7	3.5	3.2	
Puerto Rico ²	64.3	60.7	57.6	3.6	6.7	10.9	10.4	8.7	
Rhode Island	12.1	12.8	11.8	-.6	.4	4.4	4.6	4.2	
South Carolina	13.3	13.5	16.4	-.1	-3.1	2.1	2.2	2.6	
South Dakota	1.1	1.0	1.0	.1	.1	1.1	1.0	1.1	
Tennessee	22.4	22.9	29.8	-.5	-7.3	2.3	2.4	3.1	
Texas	37.3	35.8	40.0	1.5	-2.7	1.4	1.4	1.5	
Utah	6.4	7.4	5.8	-1.0	.6	2.7	3.2	2.5	
Vermont	4.0	3.6	3.1	.4	.8	3.9	3.5	3.0	
Virginia	8.5	9.1	9.3	-.6	-.8	.8	.9	.9	
Washington	56.8	60.1	71.9	-3.2	-15.0	7.3	7.7	8.7	
West Virginia	12.9	9.6	7.9	3.4	5.0	3.6	2.6	2.2	
Wisconsin	25.8	25.7	30.3	.1	-4.5	2.3	2.3	2.6	
Wyoming	.6	.6	.6	-	-	.8	.8	.8	

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

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

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

* Revised after published.

UNEMPLOYMENT INSURANCE DATA

F-2: Insured unemployment¹ in 150 major labor areas²

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

State and area	Oct. 1971	Oct. 1970	State and area	Oct. 1971	Oct. 1970	State and area	Oct. 1971	Oct. 1970	State and area	Oct. 1971	Oct. 1970
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--		
Birmingham.....	7.6	5.1	Evansville.....	2.1	1.3	Manchester.....	.7	.9	continued		
Mobile.....	2.7	2.4	Ft. Wayne.....	1.1	1.7				York.....	2.2	
			Gary-Hammond..	11.0	2.6						
ARIZONA			Indianapolis....	4.7	2.6	NEW JERSEY			PUERTO RICO		
Phoenix.....	5.8	7.3	South Bend.....	1.8	2.6	Atlantic City....	3.3	2.9	Mayaguez.....	2.3	2.3
			Terre Haute....	.7	1.0	Jersey City.....	12.8	11.8	Ponce.....	3.0	2.3
						Newark.....	24.3	22.5	San Juan.....	8.7	6.3
						New Brunswick..	10.8	8.5			
						Paterson.....	18.3	17.9			
ARKANSAS			IOWA			Trenton.....	2.7	2.2			
Little Rock.....	1.3	1.3	Cedar Rapids....	1.0	.8				RHODE ISLAND		
			Des Moines.....	1.6	1.0				Providence.....	13.8	14
						NEW MEXICO					
CALIFORNIA			KANSAS			Albuquerque....	2.4	3.2			
Anaheim-S. Ana-			Wichita.....	3.5	7.4				SOUTH CAROLINA		
Garden Grove..	15.8	21.0				NEW YORK			Charleston.....	2.0	1.4
Fresno.....	3.5	3.9	KENTUCKY			Albany.....	6.0	4.5	Greenville.....	1.2	2.1
Los Angeles....	101.1	126.0	Louisville.....	5.4	5.5	Binghamton....	2.3	2.7			
Sacramento.....	7.6	7.6				Buffalo.....	24.4	19.5			
San Bernardino..	12.0	12.6	LOUISIANA			New York.....	180.2	143.0			
San Diego.....	15.1	17.6	Baton Rouge....	1.6	1.8	Rochester.....	6.0	12.0	TENNESSEE		
San Francisco...	40.7	40.6	New Orleans....	8.0	7.6	Syracuse.....	5.7	6.0	Chattanooga....	1.7	2.0
San Jose.....	11.6	14.8	Shreveport.....	2.1	2.1	Utica.....	5.1	3.5	Knoxville.....	2.7	3.2
Stockton.....	3.4	3.5							Memphis.....	3.4	3.4
			MAINE			NORTH CAROLINA			Nashville.....	3.2	3.3
COLORADO			Portland.....	1.2	1.1	Asheville.....	.6	1.0			
Denver.....	3.6	3.3				Charlotte.....	1.3	1.8	TEXAS		
			MARYLAND			Durham.....	.4	.6	Austin.....	.7	.6
			Baltimore.....	22.7	14.1	Greensboro-			Beaumont.....	2.2	2.7
						Winston-Salem..	2.2	2.8	Corpus Christi..	1.0	1.7
CONNECTICUT			MASSACHUSETTS						Dallas.....	5.4	8.4
Bridgeport.....	10.0	7.8	Boston.....	33.8	33.1	OHIO			El Paso.....	1.9	1.7
Hartford.....	14.0	7.6	Brockton.....	2.6	2.3	Akron.....	4.2	3.8	Ft. Worth.....	4.7	4.0
New Britain.....	3.7	2.8	Fall River.....	3.0	3.1	Canton.....	4.9	2.5	Houston.....	6.0	4.7
New Haven.....	7.4	5.3	Lawrence.....	5.6	5.7	Cincinnati.....	8.3	6.4	San Antonio....	2.6	2.9
Stamford.....	2.8	2.0	Lowell.....	3.4	3.6	Cleveland.....	16.4	14.4			
Waterbury.....	5.7	5.4	New Bedford....	2.8	5.5	Columbus.....	3.2	3.0			
			Springfield....	8.2	7.3	Dayton.....	5.0	8.6	UTAH		
DELAWARE			Worcester.....	4.6	4.2	Hamilton.....	2.5	1.5	Salt Lake City..	3.8	
Wilmington.....	3.1	3.6				Lorain.....	2.1	1.8			
			MICHIGAN			Staubenville...	1.8	.6	VIRGINIA		
DIST. OF COL.			Battle Creek....	1.9	2.0	Toledo.....	3.6	5.4	Hampton.....	.7	1.1
Washington.....	10.4	9.2	Detroit.....	48.1	56.7	Youngstown....	10.8	10.3	Norfolk.....	1.2	1.2
			Flint.....	3.2	8.3				Richmond.....	.6	.6
			Grand Rapids...	5.0	6.0	OKLAHOMA			Roanoke.....	.6	.4
FLORIDA			Kalamazoo.....	1.8	2.4	Oklahoma City..	3.2	2.7			
Jacksonville....	1.3	.7	Lansing.....	2.2	3.4	Tulsa.....	3.2	3.2	WASHINGTON		
Miami.....	10.9	10.1	Muskegon.....	2.3	3.5				Seattle.....	33.3	46.0
Tampa.....	4.3	4.8	Saginaw.....	.9	.9	OREGON			Spokane.....	3.9	4.3
						Portland.....	11.1	11.9	Tacoma.....	6.1	7.8
GEORGIA			MINNESOTA								
Atlanta.....	5.9	6.8	Duluth.....	1.5	1.1	PENNSYLVANIA			WEST VIRGINIA		
Augusta.....	1.4	1.5	Minneapolis....	10.4	11.8	Allentown.....	6.2	4.7	Charleston.....	1.5	.9
Columbus.....	.8	1.3				Altoona.....	1.8	1.5	Huntington.....	3.1	1.7
Macon.....	.6	.9	MISSISSIPPI			Erie.....	1.7	1.8	Wheeling.....	1.8	1.0
Savannah.....	.8	1.4	Jackson.....	.5	.6	Harrisburg.....	2.2	1.9			
						Johnstown.....	5.1	3.7			
HAWAII			MISSOURI			Lancaster.....	1.7	1.4	WISCONSIN		
Honolulu.....	10.5	5.8	Kansas City....	8.8	8.4	Philadelphia...	46.0	49.3	Kenosha.....	.7	.6
			St. Louis.....	21.5	21.7	Pittsburgh.....	34.8	19.2	Madison.....	1.3	.9
						Reading.....	3.2	3.0	Milwaukee.....	10.1	12.6
ILLINOIS			NEBRASKA			Scranton.....	3.7	4.1	Racine.....	1.2	1.4
Chicago.....	48.0	39.4	Omaha.....	2.3	2.5	Wilkes-Barre...	6.4	5.9			
Davenport.....	3.6	3.2									
Peoria.....	1.6	1.3									
Rockford.....	2.1	2.6									

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

Technical Note

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

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

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

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

Relation between the household and establishment series

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

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

Employment

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

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

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

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

Hours of work

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

Comparability of the household interview data with other series

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

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

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

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

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

Comparability of the payroll employment data with other series

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from

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

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

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

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

Labor Force Data

Collection and coverage

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

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

Inmates of institutions and persons under 16 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

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

Concepts

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

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

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

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

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

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

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

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

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

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

rate, which is the ratio of the total labor force and the total non-institutional 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.

Major activity: going to school and major activity: other are terms used to describe whether the activity of young persons during the reference week was primarily one of going to school or not. Statistics on major activities are published every month in table A-5 for 16-21 year-olds by employment status, color, sex, and, if unemployed, whether seeking full- or part-time work.

ESTIMATING METHODS

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

1. **Noninterview adjustment.** The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability or other reasons. This adjustment is made separately by groups of sample areas and, within these, for six groups—color (white and Negro and other races) within the three residence categories (urban, rural nonfarm, and rural farm). The

proportion of sample households not interviewed varies from 4 to 6 percent depending on weather, vacations, etc.

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

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

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

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

Rounding of estimates

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

Reliability of the estimates

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

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

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

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

Table A. Average standard error of major employment status categories

(In thousands)

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

Table B. Standard error of level of monthly estimates

(In thousands)

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

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

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

Illustration: Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

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

(In thousands)

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

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D.

Table D. Standard error of percentage

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

Establishment Data

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, job vacancies, and labor turnover in nonagricultural establishments, by industry and geographic location.

Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or job vacancy-labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents and, together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS for use in preparing the national series.

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Job Openings and Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The collecting agency returns the schedule to the respondent each month so that the next month's data can be entered. This procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

Form BLS 790 provides for entry of data on the number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, payroll and man-hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month, and three job vacancy items as of the end of the month: Current job vacancies, (i.e., vacancies available for immediate filling), current vacancies which have remained unfilled for 30 days or more, and openings with future starting dates.

CONCEPTS

Industrial classification

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

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

Industry employment

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

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

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

Industry hours and earnings

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

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

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

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairmen, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aids, teachers, draftsmen, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, linemen, laborers,

janitors, watchmen, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

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

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

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

Gross average hourly and weekly earnings

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

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

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

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force.

For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the service industries has reduced average workweeks in these industries and has affected the average weekly earnings series.

Average weekly hours

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

Average overtime hours

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

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

Hours and earnings for total private nonagricultural industries

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

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

Railroad hours and earnings

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

dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Spendable average weekly earnings

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

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

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

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

Average hourly earnings excluding overtime

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

Indexes of aggregate weekly payrolls and man-hours

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

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

Labor turnover

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

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

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

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

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

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

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

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

Relationship of labor turnover to employment series

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

Job vacancies

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

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

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

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

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

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

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

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

ESTIMATING METHODS

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

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described later in table L, Summary of methods for computing industry statistics on employment, hours, earnings, job vacancies, and labor turnover. Further details are given in the technical notes—Chapter 2, Employment, Hours and Earnings, and Chapter 3, Labor Turnover,

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

Size and regional stratification

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

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1970 levels. Normally, benchmark adjustments are made annually.

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

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

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

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

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

THE SAMPLE

Design

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

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

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

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of

social statistics. Table F shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Table F. Approximate size and coverage of BLS employment and payrolls sample, March 1970¹

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

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

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

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

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

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

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

Reliability of the employment estimates

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

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

Industry division	Average benchmark revision in estimates of employment ²	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.2	-	-
Total private. . . . .	.2	0.1	0.2
Mining . . . . .	.8	.5	.5
Construction. . . . .	.7	.2	.3
Manufacturing. . . . .	.3	.1	.1
Durable goods. . . . .	.4	.1	.1
Nondurable goods . . . . .	.3	.1	.1
Transportation and public utilities . . . . .	.3	.7	.4
Trade . . . . .	.3	.1	.2
Wholesale . . . . .	.9	.2	.3
Retail . . . . .	.3	.2	.2
Finance, insurance, and real estate . . . . .	.4	.2	.4
Services . . . . .	.8	.4	.8
Government ³	-	-	-

¹ Relative errors relate to March 1970 data.

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

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

The hours and earnings estimates for cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours

and earnings estimated, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table H and for individual industries with the specified number of employees in table I. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

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

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.

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

Size of employment estimate	Root-mean-square error of employment estimates ¹	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
50,000	1,900	0.9	1.5
100,000	2,700	.7	1.1
200,000	4,100	.5	.9
500,000	8,100	.4	.8
1,000,000	12,500	.3	.5
2,000,000	16,700	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

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

For the most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table J presents root-mean-square errors of the

Table J. Errors of preliminary employment estimates

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

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

Reliability of job vacancy estimates

As with the employment estimates, the estimates derived from the job vacancy survey may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

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

STATISTICS FOR STATES AND AREAS

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

Table K. Relative errors of estimates of job vacancy data

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

¹ Expressed as a percent of the estimate.

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

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

Unemployment Insurance Data

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

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

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

Seasonal Adjustments

SEASONAL ADJUSTMENTS

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

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

For establishment data, the seasonally adjusted series on hours, earnings, and labor turnover rates for industry groupings are computed by applying factors directly to the corresponding unadjusted series. However, seasonally adjusted employment totals for all employees and production workers by industry division are obtained by summing seasonally adjusted data for the component industries. Indexes of aggregate weekly man-hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods producing, total private service producing, trade, manufacturing, and durable and nondurable goods the indexes of aggregate weekly man-hours, seasonally adjusted, are obtained by summing the aggregate weekly man-hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

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

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

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

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

The seasonal adjustment method used by BLS requires the use of at least 8 years of data, although there are special adjustment programs for as few as 3 years. Since collection of job vacancy information was begun in January 1969, the data necessary to seasonally adjust this series are not yet available. All job vacancy information published in *Employment and Earnings* is, therefore, on an unadjusted basis.

ATTENTION

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

Beginning with the September 1971 and subsequent issues of

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

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

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

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