

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	June	July	Oct.
Household data								
Annual averages	x							
Revised seasonally adjusted series and current seasonal factors		x						
Quarterly averages	x			x			x	x
Establishment data								
National annual averages:								
Industry divisions (preliminary)	x							
Industry detail (final)			x					
State and area annual averages					x			
Area definitions					x			
National data adjusted to new benchmarks						(1)		
Revised seasonally adjusted series and current seasonal factors						(1)		

¹ Data shown in this issue are adjusted to March 1969 benchmarks, first published in the June 1970 issue. It is expected that data adjusted to March 1970 benchmarks will be introduced in the September 1971 issue.

Employment and Unemployment Developments, July 1971

Employment rose in July, but not enough to offset the increase in the labor force, and the unemployment rate edged up. The overall unemployment rate was 5.8 percent in July compared with 5.6 percent in June and 6.2 percent in May. The July increase in unemployment was concentrated among part-time workers; the rate for full-time workers was 5.3 percent in both June and July.

Total employment rose one-half million in July to 78.9 million (seasonally adjusted), following a decline of the same amount in June. The employment pickup occurred primarily among teenagers and adult men. The increase in employment among adult men was a continuation of recent trends and brought their employment level to an alltime high.

In contrast to the increase in total employment, the number of wage and salary workers on nonagricultural payrolls declined by 190,000 between June and July to 70.5 million, seasonally adjusted. The drop occurred almost entirely in manufacturing and construction and was partly accounted for by a net increase in the number of workers on strike. (Payroll employment excludes agricultural workers, self-employed workers, domestics, unpaid family workers, and workers on unpaid vacations or other unpaid absences, such as workers on strike—all of whom are included in the figures on total employment. See Technical Note in Employment and Earnings.)

Unemployment

The number of unemployed persons totaled 5.3 million in July. After allowance for usual

June-July changes, unemployment was up by 200,000 over the month but down 330,000 from May. The July rise took place primarily among jobseekers who had reentered the labor force. At 1.5 million, seasonally adjusted, the number of jobless reentrants rose 200,000 in July, following a similar drop in June. Unemployment stemming from job loss was not significantly changed in July.

The overall unemployment rate was 5.8 percent in July compared with 5.6 percent in June and 6.2 percent in May. The July rate was 0.4 percentage point below the highs of December 1970 and May 1971.

Unemployment rates for all adult men (4.3 percent) and married men (3.1 percent) were essentially unchanged between June and July, but both were down from their high points reached in December 1970.

For adult women 20 years and over, the unemployment rate was 5.7 percent in July, also about unchanged from June; their rate has remained in the narrow range of 5.6 to 6.0 percent since last winter. An over-the-month increase in the jobless rate for women 25 and over (from 4.5 to 5.0 percent) was largely offset by a drop among 20-24 year-olds, whose rate fell for the second straight month.

After dropping sharply in June, the jobless rate for teenagers held relatively steady in July. At 16.2 percent, the teenage rate remained well below the late fall and winter highs of nearly 18 percent.

The unemployment rate for Negro workers edged up in July to 10.1 percent, following a decline in June. The rate for white workers, at 5.3 percent, was basically unchanged over the month.

The jobless rate for part-time workers rose from 7.6 to 8.7 percent between June and July. For full-time workers, the rate was unchanged over the month at 5.3 percent, following a sharp drop in June, and was at its lowest point since October 1970.

Among occupation groups, jobless rates moved up for professional and technical workers (to 2.8 percent) and salesworkers (to 4.7 percent). Although rebounding from their June declines, rates for both groups were still below their high points recorded earlier this year. For craftsmen and foremen, the jobless rate rose to 5.3 percent in July, returning to its highest point since last fall. The rate for nonfarm laborers declined sharply in July to 9.1 percent, the first time in a year that the rate was below 10 percent. Jobless rates for the other occupation groups were not significantly changed over the month, although most were below their recent highs.

For workers covered by State unemployment insurance programs, the jobless rate moved down from 4.4 to 3.9 percent in July (seasonally adjusted). The drop returned the State insured rate to the levels of early spring, after increases in May and June.

The number of persons unemployed 15 weeks or more totaled 1.3 million in July, seasonally adjusted, up 140,000 from June. This brought the proportion of the labor force that was unemployed 15 or more weeks to 1.6 percent, the highest level since August 1963. The number of persons unemployed less than 5 weeks rose slightly over the month but remained below the levels of last winter. The average (mean) duration of joblessness dropped from 12.7 weeks in June to 11.6 weeks in July (seasonally adjusted), to about the same level as in May; this was the first decline in the average duration since last October.

Civilian labor force and total employment

Reflecting the continued summer entrance of youth into the job market, the civilian labor force rose by 700,000 in July to 83.8 million, seasonally adjusted. The over-the-month rise occurred almost exclusively among young workers 16-24

years of age. The July increase followed a sharp decline in June, when the regular survey week (the one that includes the 12th of the month) was unusually early and large numbers of youth were still in school. The increase brought the civilian labor force back to the levels of this spring.

Total employment rose by one-half million in July to 78.9 million (seasonally adjusted), following a decline of the same magnitude in June, again a reflection of the early survey week. Most of the July pickup in employment took place among teenagers. Employment of adult men, which has increased steadily since February, rose slightly in July to an alltime high. Employment of adult women was not significantly changed in July, remaining 300,000 below the peak level reached in January.

Over the year, the civilian labor force has grown by 1.2 million. Three-fifths of this rise occurred among adult men, primarily reflecting a substantial increase among 20-24 year-olds, many of them returning veterans. Teenagers accounted for one-third of the year-to-year gain in the labor force, while there was little labor force growth among adult women. Total employment was up 390,000 over the year, as a substantial gain among men, primarily those 20-24 years of age, was partially offset by declines among adult women. Teenagers experienced little job growth over the year.

Status of Vietnam Era veterans

The number of Vietnam Era war veterans 20-29 years of age in the civilian labor force was 3.8 million in July 1971 (not seasonally adjusted), an increase of 525,000 over the year. A total of 3.5 million were employed, an increase of 450,000 since last July. Unemployed veterans numbered 310,000, about the same level as in June but 75,000 more than a year ago.

At 8.2 percent in July, the unemployment rate (not seasonally adjusted) for 20-29 year-old veterans was the same as a month earlier but was higher than the rate for last July (7.2 percent). The rate for nonveterans 20-29 years, at 7.2 percent in July (not seasonally adjusted),

was below that of veterans. Earlier in the year, the spread between the rates for veterans and nonveterans was higher than in June and July, but the difference has narrowed as a greater proportion of nonveterans sought summer jobs.

Industry payroll employment

Nonagricultural payroll employment declined 190,000 on a seasonally adjusted basis between June and July to 70.5 million. About one-fourth of the over-the-month decline was attributable to a net increase in the number of workers on strike. (Workers on strike the whole week are not counted as employed in the payroll series. In the household series on total employment, on the other hand, workers on strike are classified as employed—with a job but not at work.) The July decrease in payroll jobs, which brought this series to its lowest monthly level for 1971, occurred almost entirely in the goods-producing sector of the economy.

Manufacturing employment (seasonally adjusted) declined 130,000 in July. This decrease followed a slightly smaller drop in June and reduced manufacturing employment to its lowest level since November 1965. About two-thirds of the July decrease took place in the durable goods industries. Employment fell by 40,000 in primary metals, due largely to cutbacks in steel production and to a strike in the copper industry. Declines also occurred in the machinery, elec-

trical equipment, and miscellaneous manufacturing industries. In nondurable goods, employment dropped in the food, paper, and leather industries.

In contract construction, employment declined 35,000 in July, the third consecutive monthly reduction. This brought employment in this industry 300,000 below its alltime high of December 1969. Mining employment dropped 20,000 in July, due entirely to a strike by copper miners.

In the service-producing industries, employment increases of 20,000 each in trade and government were offset by declines in services (30,000) and transportation and public utilities (10,000). Since January, payroll employment in the services sector has shown relatively little growth.

Hours of work

The average workweek for all rank-and-file workers on private nonagricultural payrolls declined by 0.2 hour in July to 36.9 hours on a seasonally adjusted basis. This decline can be attributed to the telephone strike which idled 500,000 workers for part of the survey week. (Because these workers were on payrolls during part of the week, the payroll employment levels were not affected.) Average hours for all private nonfarm workers remained in the narrow 36.9-to-37.1 range that has prevailed since October 1970.

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		
	July 1971	June 1971	July 1970	July 1971	June 1971	July 1970
Civilian noninstitutional population.....	4,089	4,032	3,458	9,428	9,405	8,905
Civilian labor force.....	3,815	3,699	3,291	8,576	8,430	8,159
Percent of population	93.3	91.7	95.2	91.0	89.6	91.6
Employed.....	3,502	3,399	3,055	7,962	7,770	7,672
Unemployed	313	300	236	614	660	487
Unemployment rate	8.2	8.1	7.2	7.2	7.8	6.0
Not in labor force	274	333	167	852	975	746

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 700,000 post-Korean-peacetime veterans 20 to 29 years old are not included in this table.

In manufacturing, the average workweek was 39.9 hours (seasonally adjusted), down by 0.1 hour from June but at about the same level as the summer of 1970. The over-the-month decline was concentrated in the durable goods industries where the workweek fell by 0.2 hour, mainly because of a large drop in transportation equipment related to automobile model changeover. In the nondurable industries, the average workweek edged up 0.1 hour.

Factory overtime (seasonally adjusted) declined by 0.1 hour over the month to 2.9 hours. Overtime hours were down in both durable and nondurable goods industries.

Because of the telephone strike, which began during the middle of the reference week, the seasonally adjusted average workweek in the transportation and public utilities industry declined by 2.9 hours to 37.8 hours.

Earnings

Average hourly earnings of rank-and-file workers on private nonagricultural payrolls remained at \$3.42 in July, the same as in May and June. Compared with July a year ago, average hourly earnings were up 19 cents or 5.9 percent.

Average weekly earnings fell by 35 cents over the month to \$127.22, with large decreases occurring in durable goods manufacturing and in transportation and public utilities. In the latter industry, weekly earnings were heavily affected by the telephone strike. Weekly earnings rose in July in all other major industry divisions with the exception of mining.

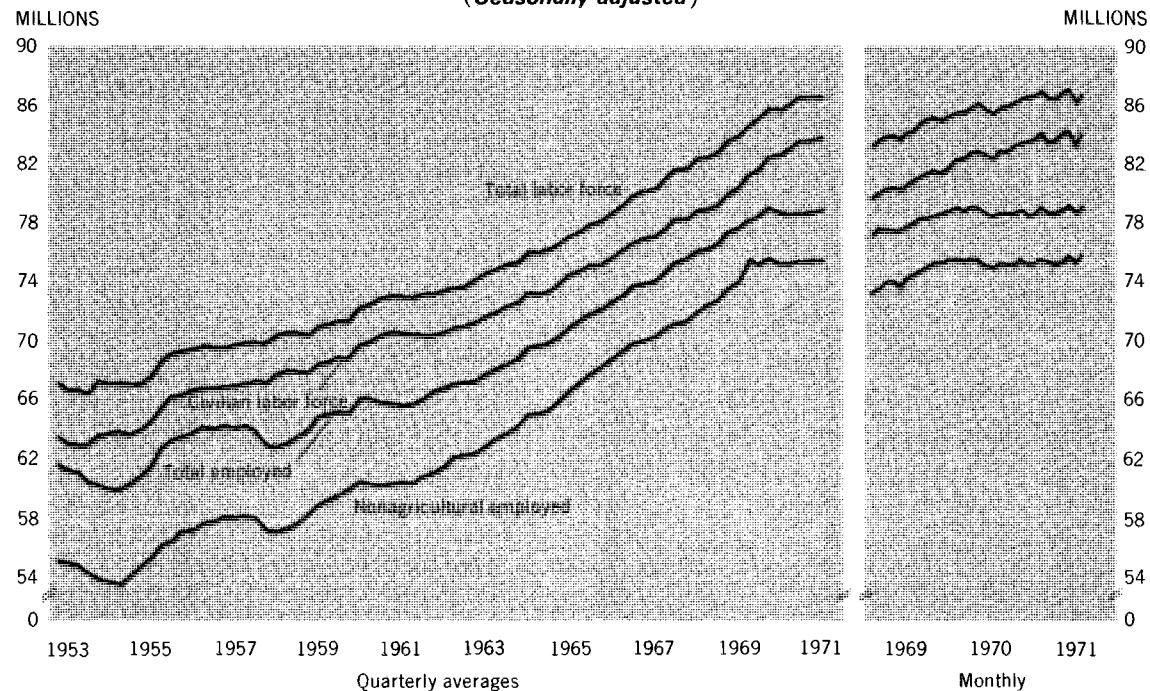
Compared with July 1970, average weekly earnings were up by \$5.77 or 4.8 percent. During the latest 12-month period for which Consumer Price Index data are available—June 1970 to June 1971—the index rose 4.5 percent.

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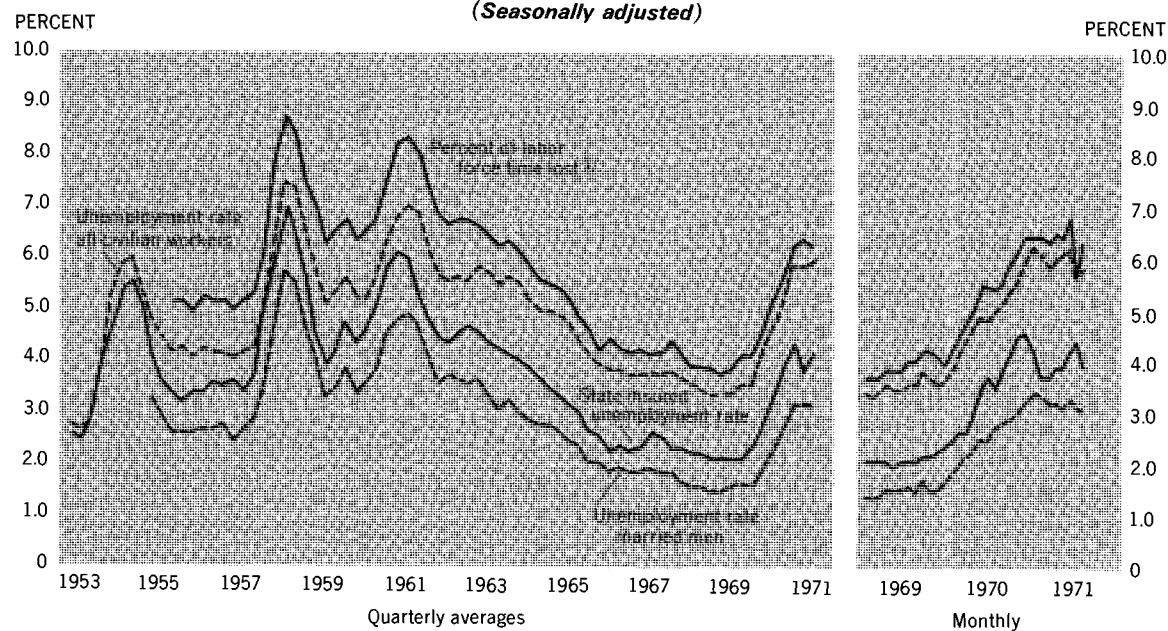
Chart 1. Labor force and employment, 1953 to date

(Seasonally adjusted)



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

(Seasonally adjusted)

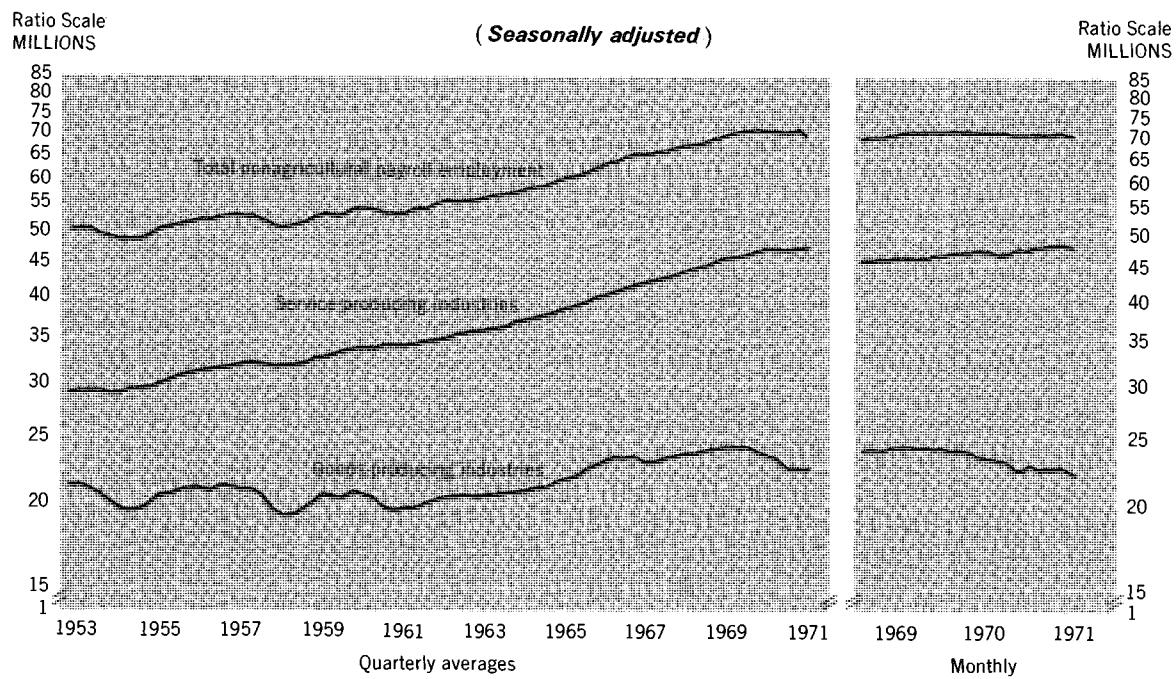


1/ Series revised beginning 1963 to reflect whether unemployed persons sought full- or part-time jobs.

Source: Table A-33.

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

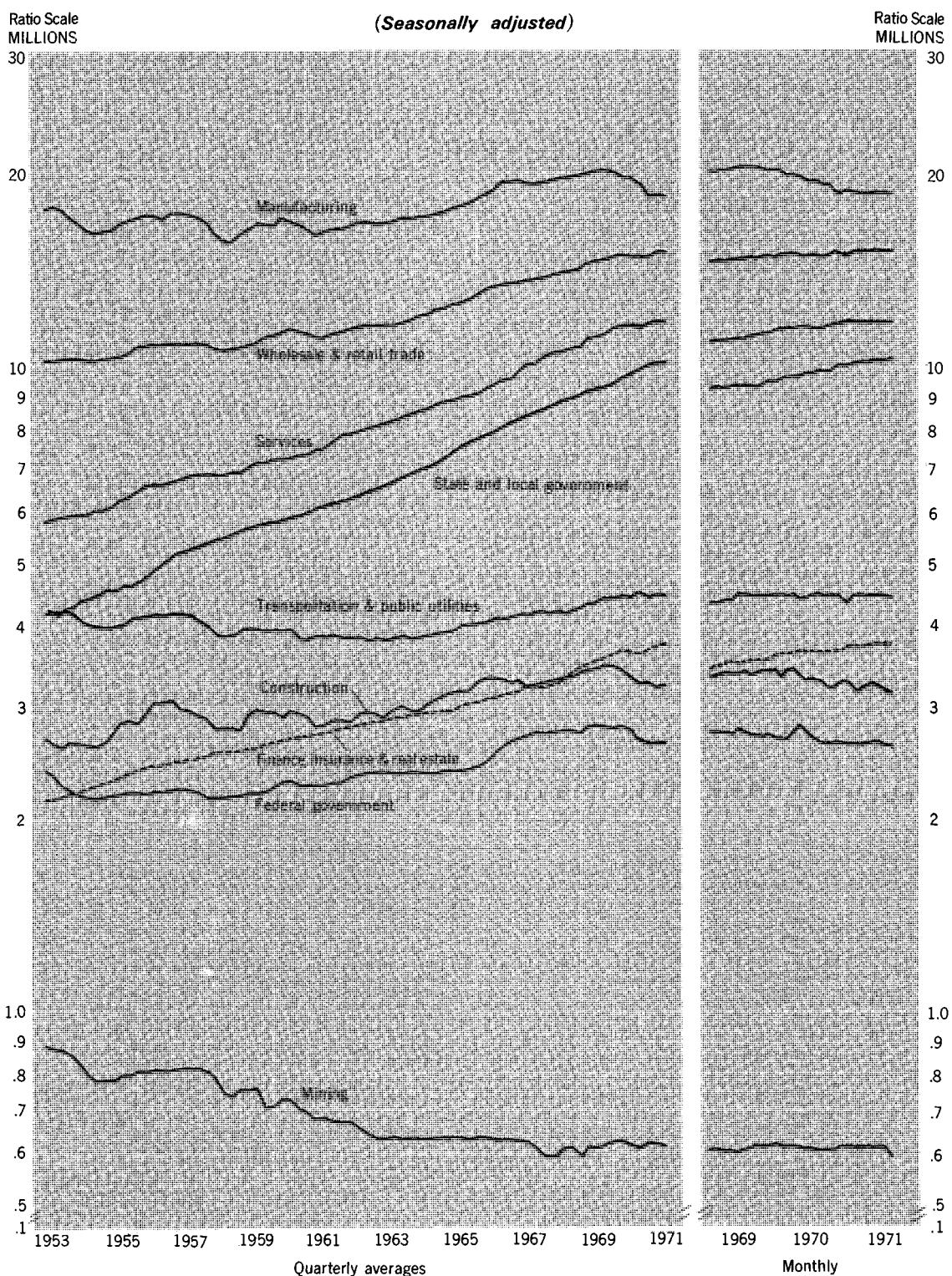
(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

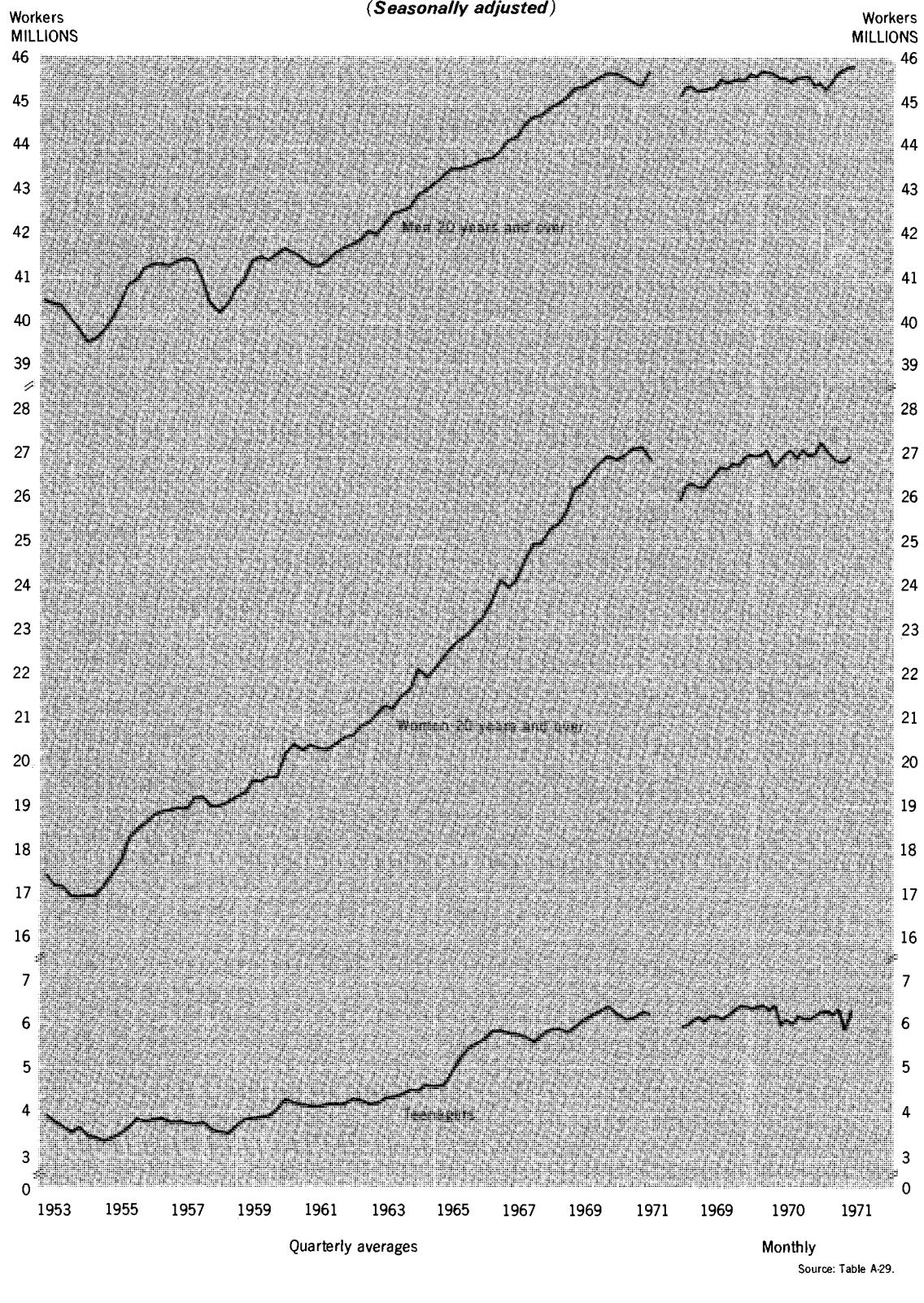
**Chart 4. Nonagricultural payroll employment by industry
1953 to date**



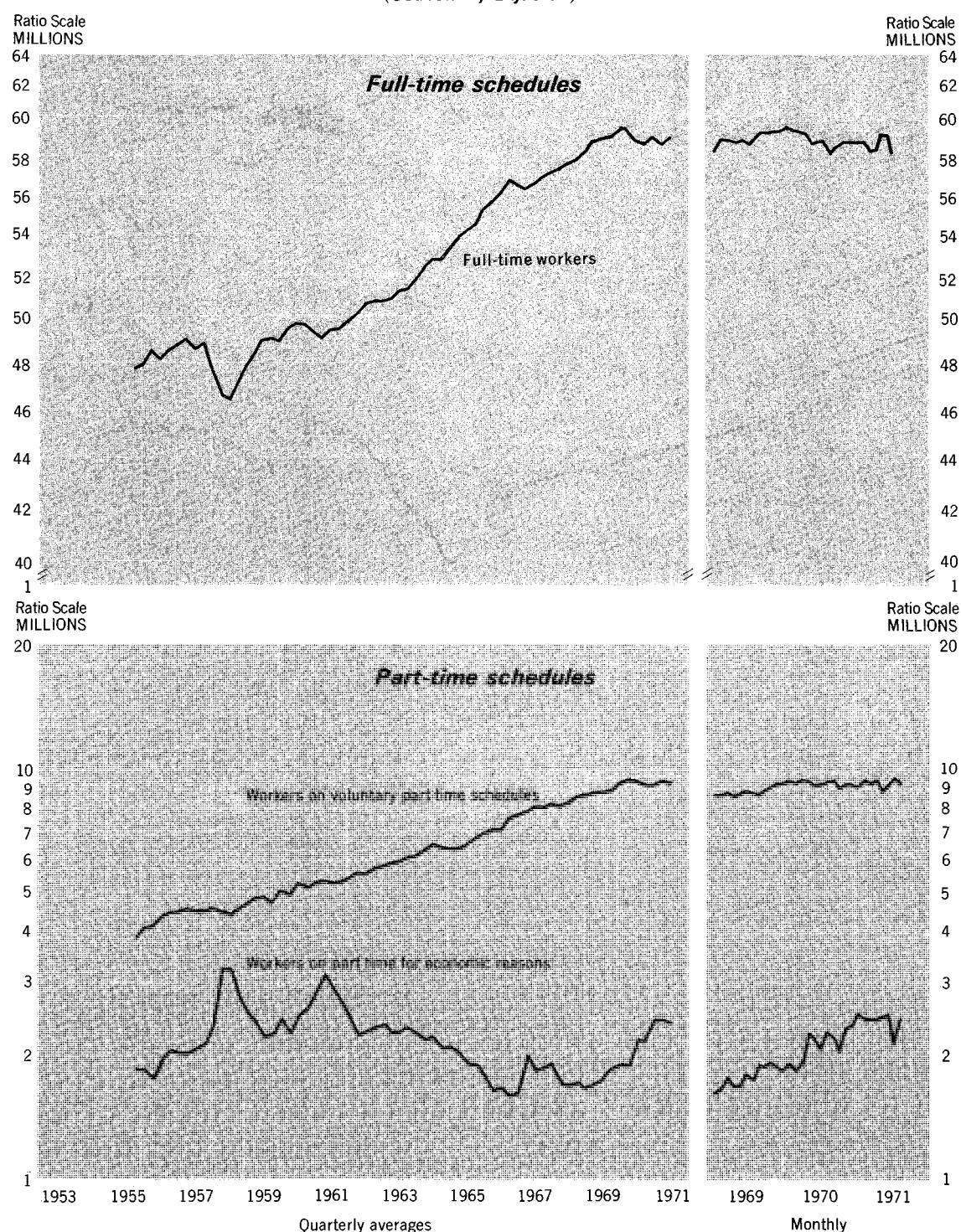
Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

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

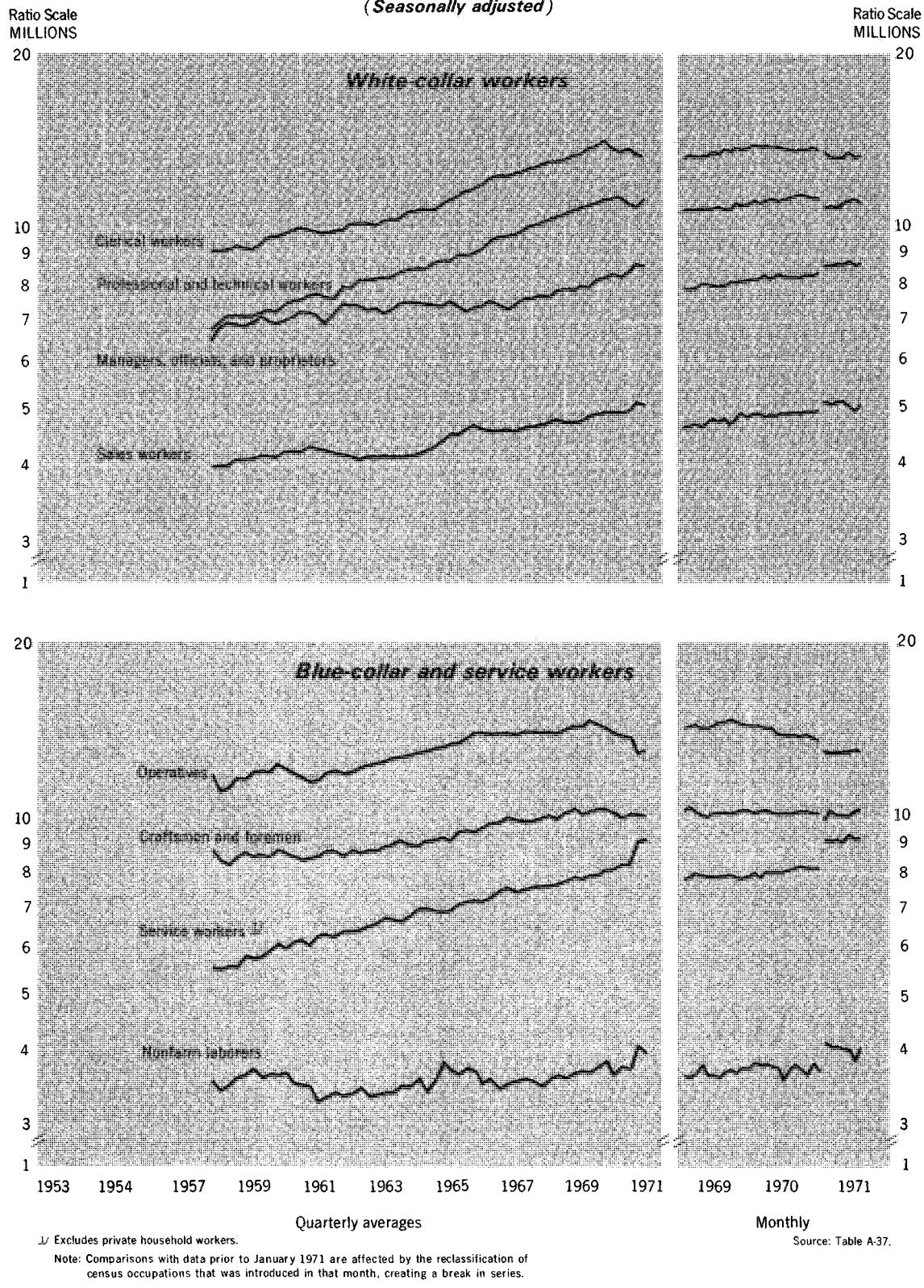


**Chart 6. Persons at work full and part time
in nonagricultural industries
1955 to date**
(Seasonally adjusted)

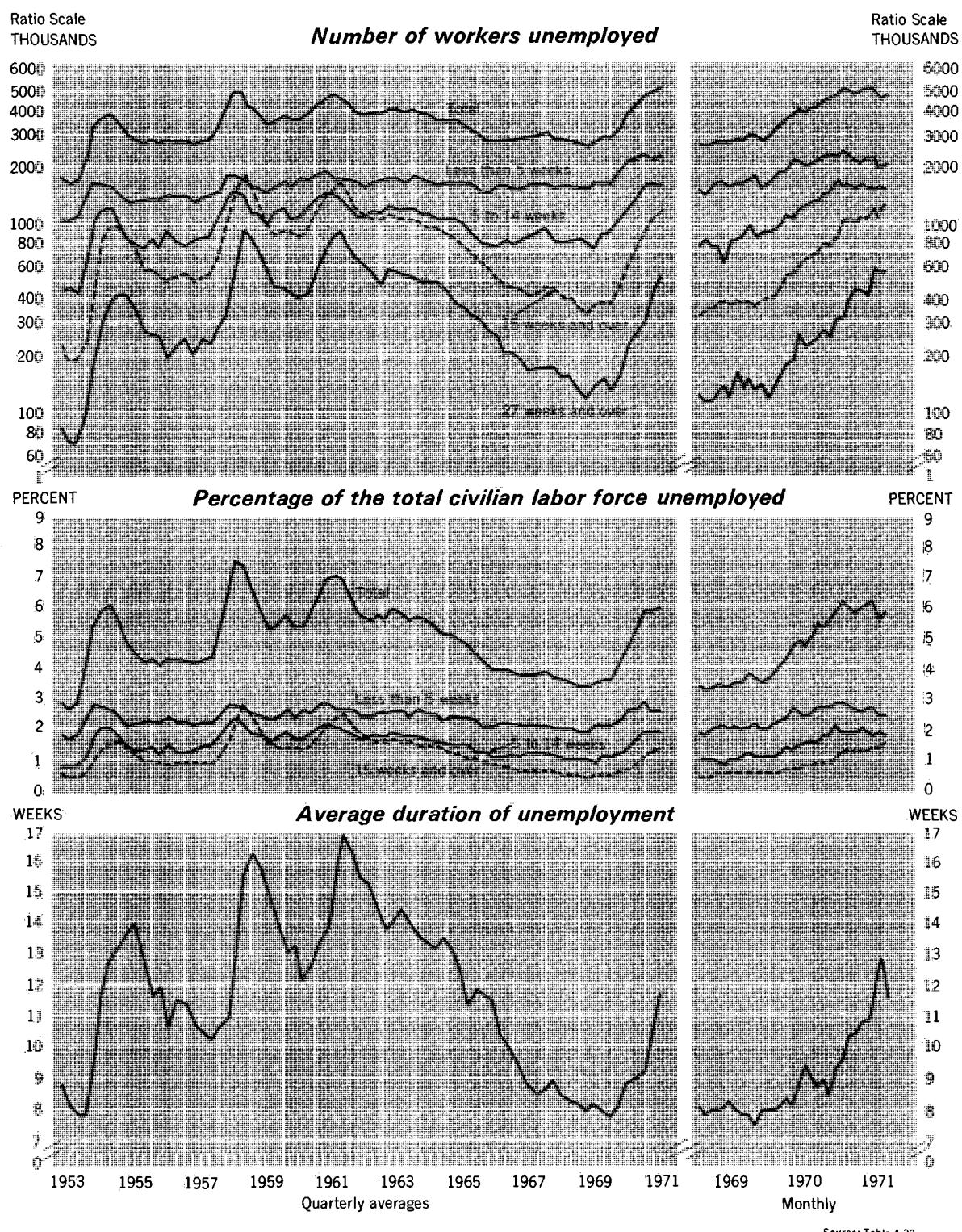


Source: Table A-29 and unpublished data.

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



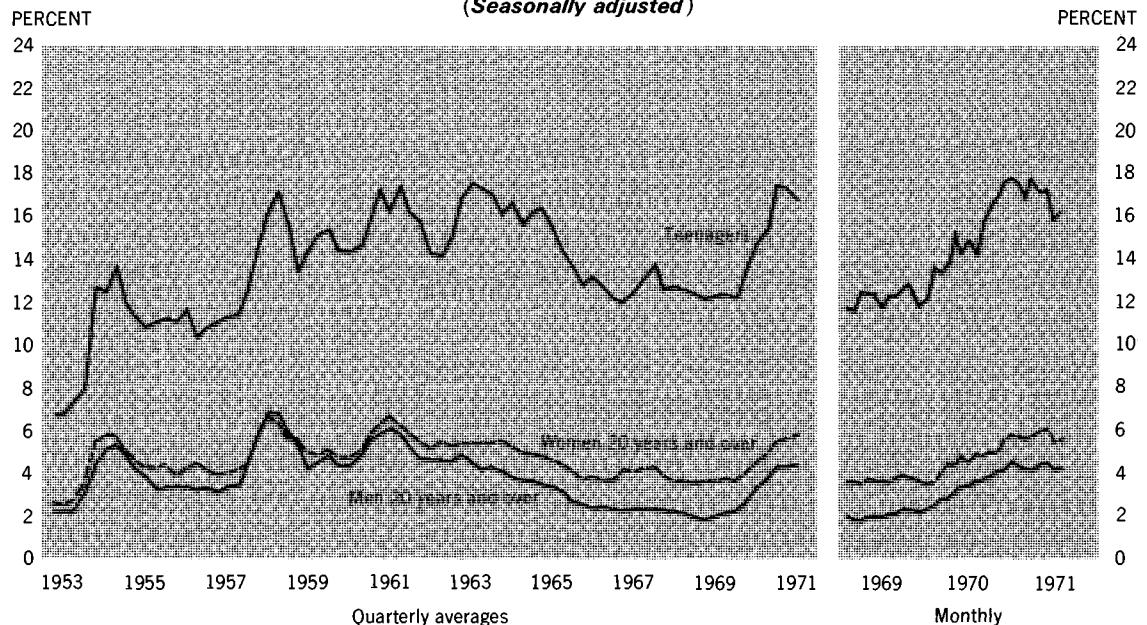
**Chart 8. Duration of unemployment
1953 to date
(Seasonally adjusted)**



Source: Table A-32.

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

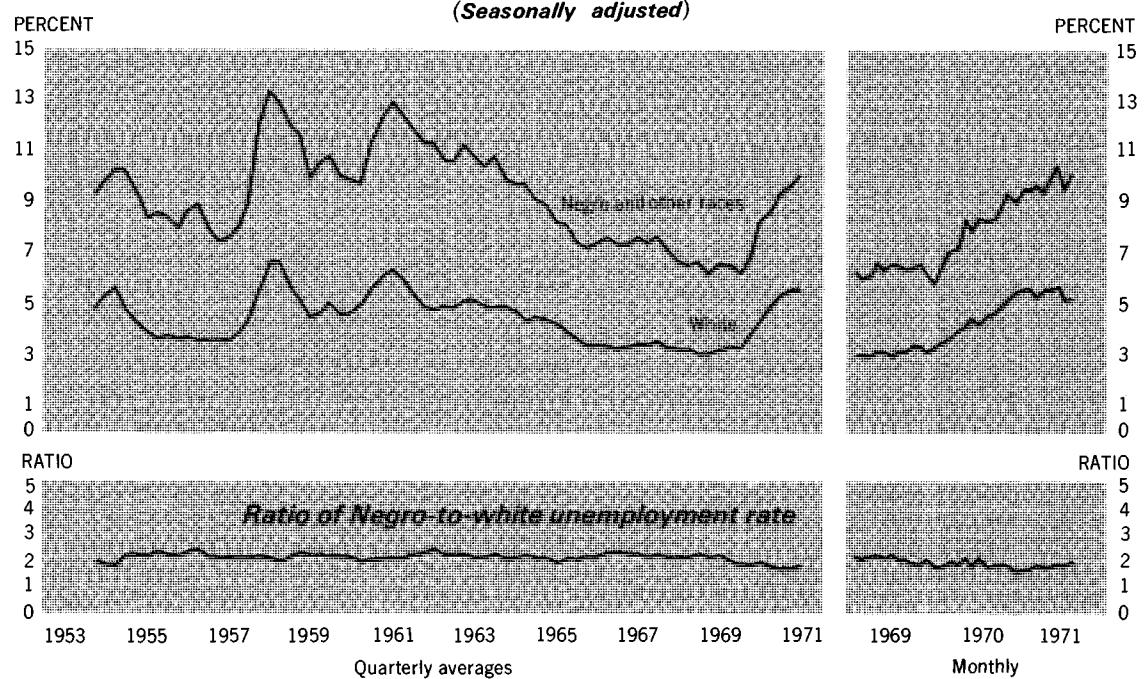
(Seasonally adjusted)



Source: Table A-33.

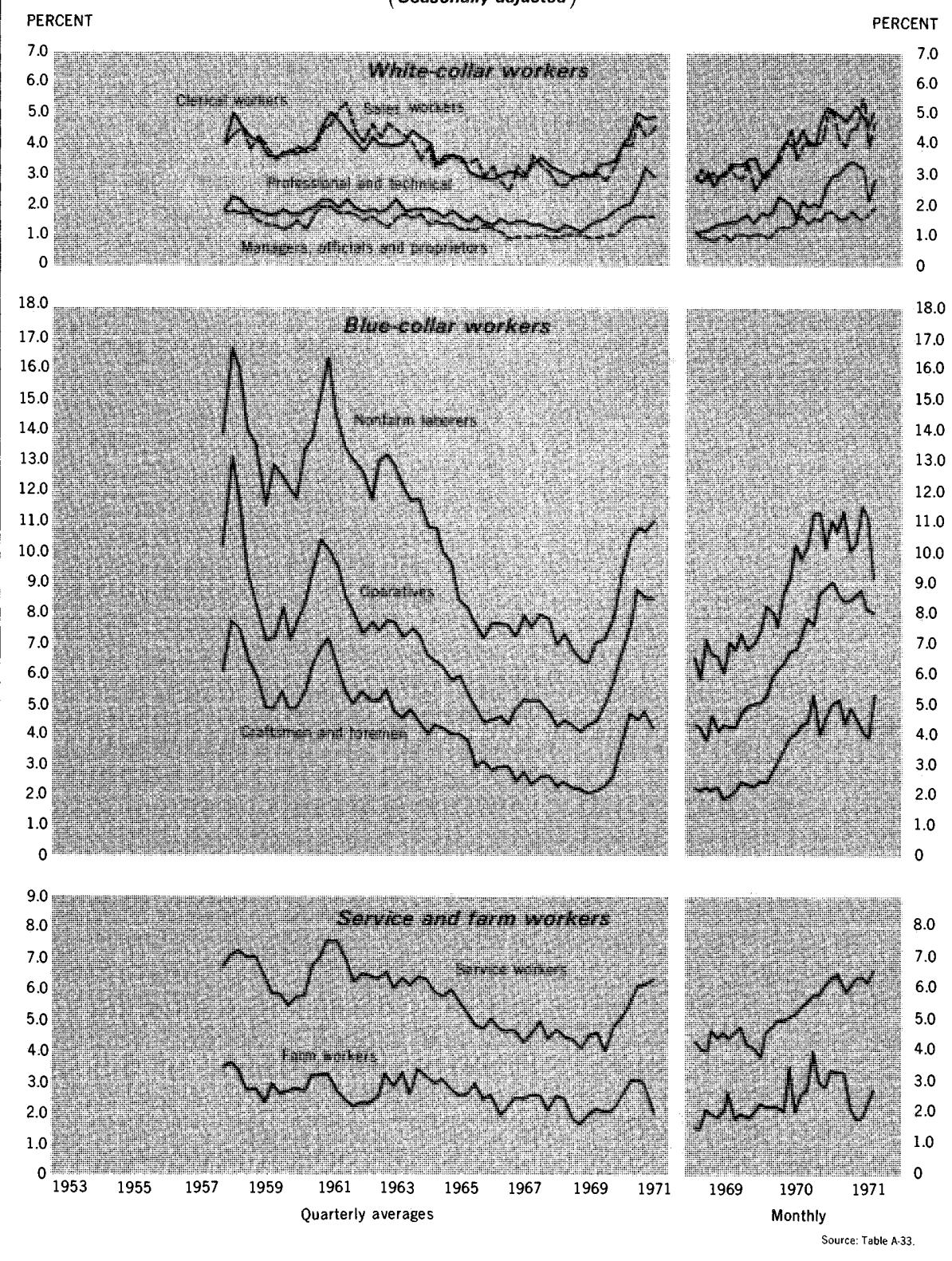
**Chart 10. Unemployment rates by color
1954 to date**

(Seasonally adjusted)



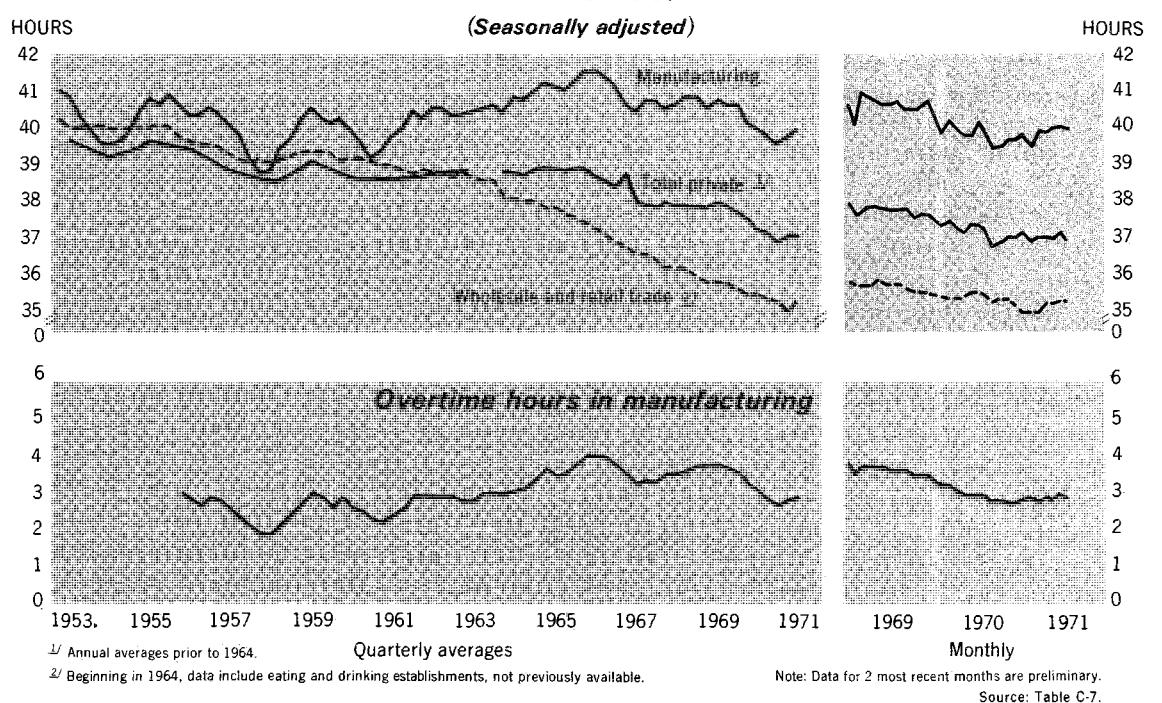
Source: Table A-31.

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



Source: Table A-33.

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



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

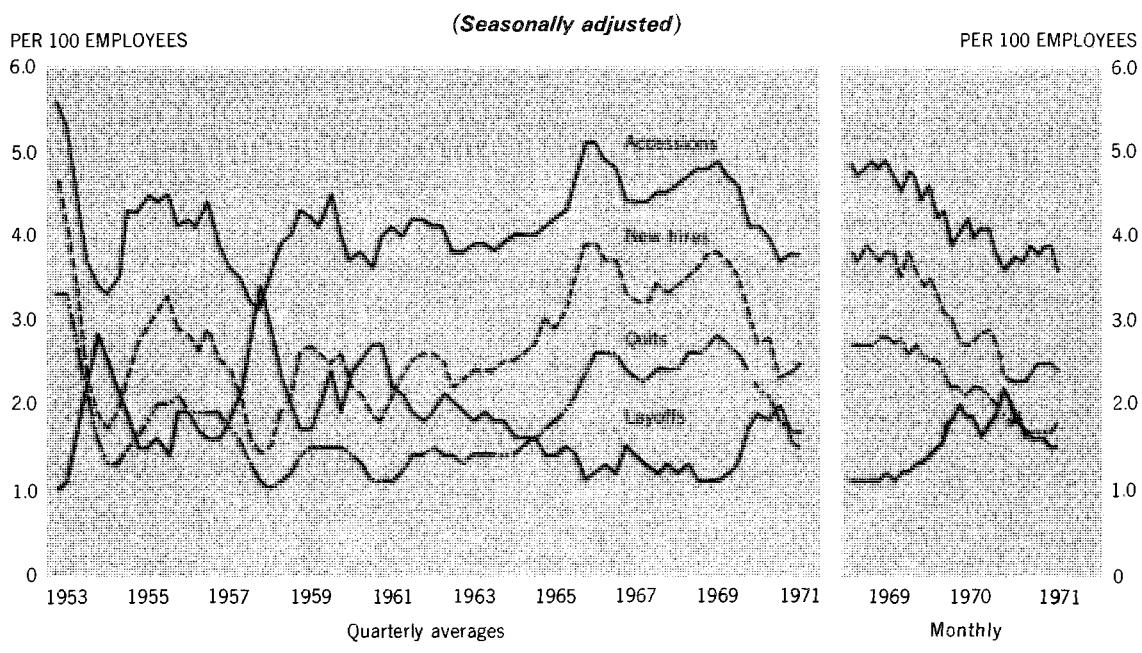
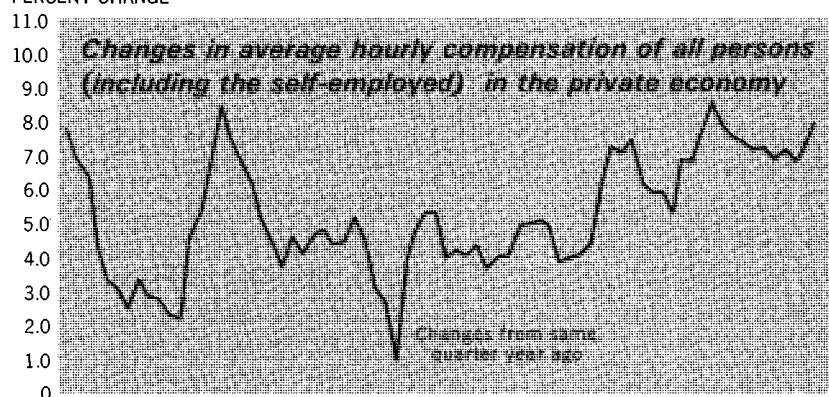


Chart 14. Major compensation trend indicators

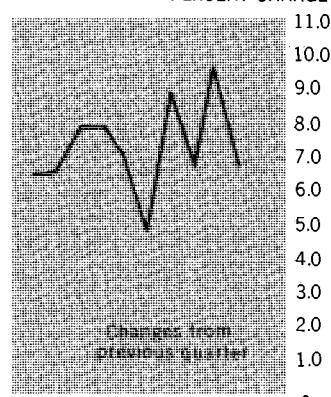
1953 to date

(Seasonally adjusted, at annual rates)

PERCENT CHANGE



PERCENT CHANGE



11.0

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

10.0

9.0

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

0

Changes from same quarter year ago

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

0

Changes from previous quarter

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

0

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

Annual changes

Changes from same quarter year ago

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

0

6-month changes monthly data

1953

1955

1957

1959

1961

1963

1965

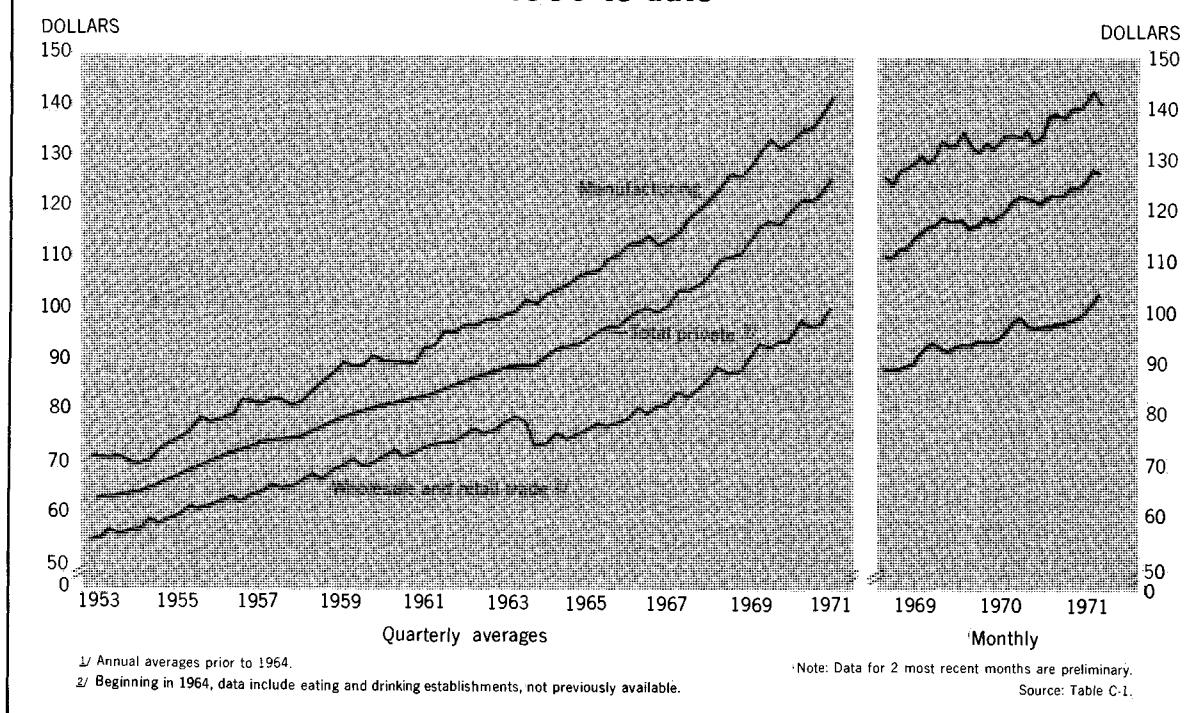
1967

1969

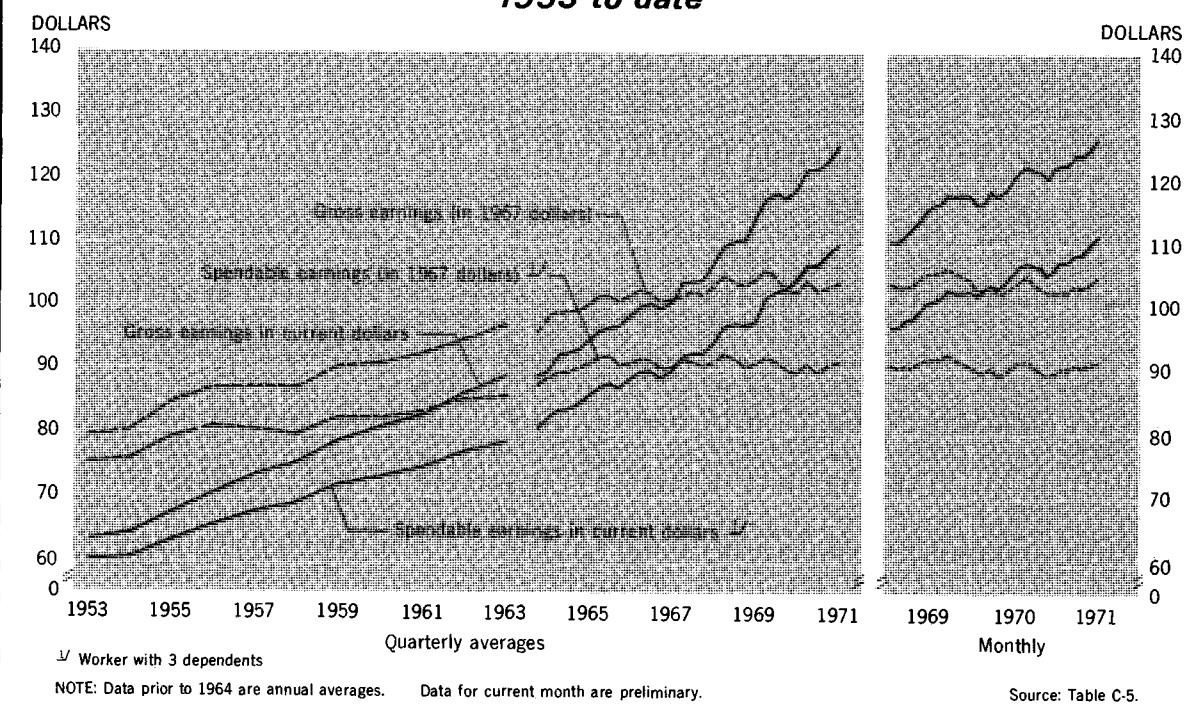
1971

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

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

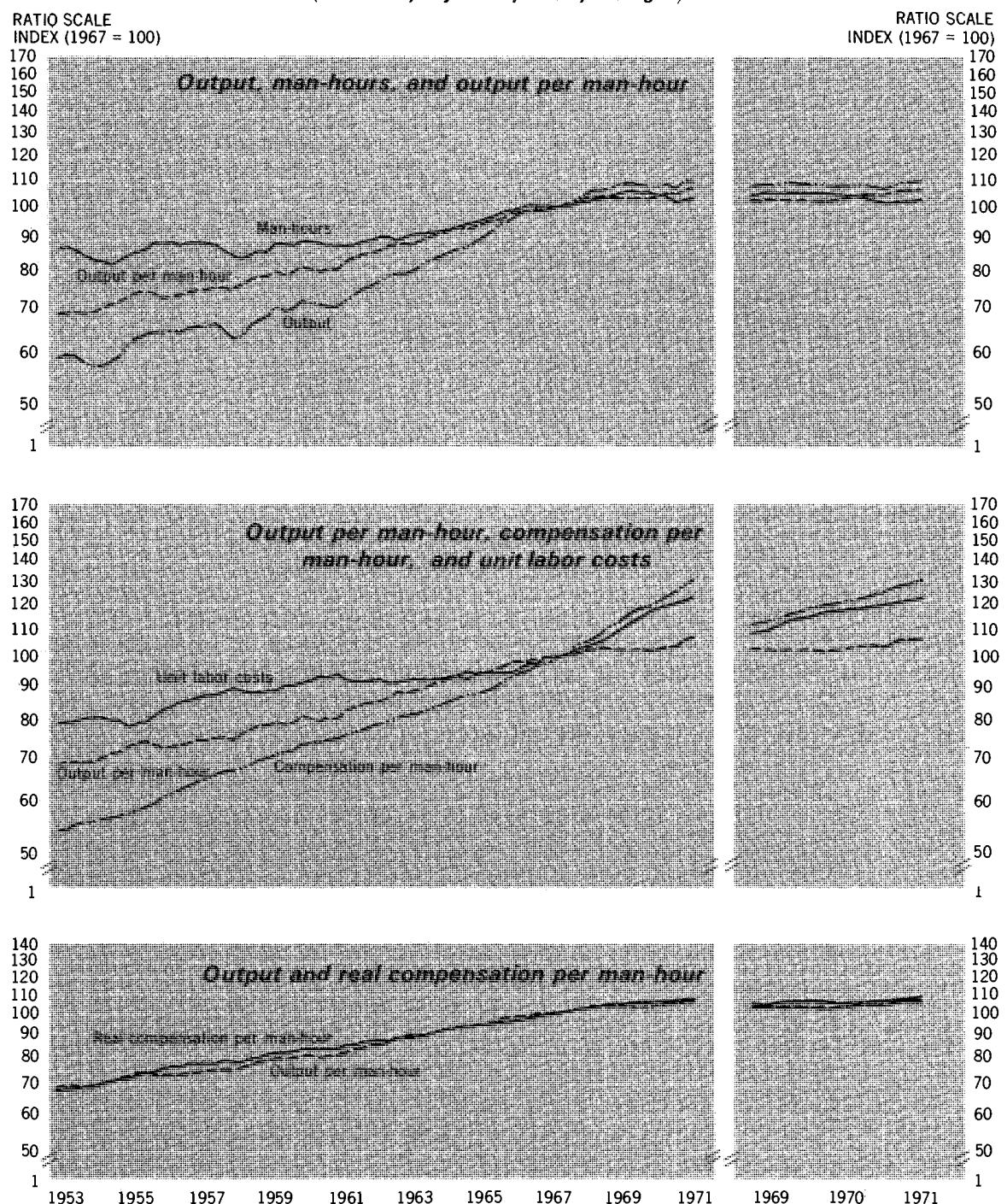


**Chart 16. Average weekly and spendable earnings of production or nonsupervisory workers on private nonagricultural payrolls
1953 to date**



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

(Seasonally adjusted quarterly averages)



Source: Table C-10.

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¹

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

HOUSEHOLD DATA

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

(In thousands)

Year and month	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force						Not in labor force	
		Number	Percent of popula- tion	Employed			Unemployed				
				Total	Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force		
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	
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	-	
1948.....	104,527	62,080	59.4	60,621	58,344	7,629	50,713	2,276	3.8	-	
1949.....	105,611	62,903	59.6	61,286	57,649	7,656	49,990	3,637	5.9	-	
1950.....	106,645	63,858	59.9	62,208	58,920	7,160	51,760	3,288	5.3	-	
1951.....	107,721	65,117	60.4	62,017	59,962	6,726	53,239	2,055	3.3	-	
1952.....	108,823	65,730	60.4	62,138	60,254	6,501	53,753	1,883	3.0	-	
1953.....	110,601	66,560	60.2	63,015	61,181	6,261	54,922	1,834	2.9	-	
1954.....	111,671	66,993	60.0	63,643	60,110	6,206	53,903	3,532	5.5	-	
1955.....	112,732	68,072	60.4	65,023	62,171	6,449	54,724	2,852	4.4	-	
1956.....	113,811	69,409	61.0	66,552	63,802	6,283	57,517	2,750	4.1	-	
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	-	
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	-	
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	-	
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	-	
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	-	
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	-	
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	-	
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	-	
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	-	
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	-	
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	-	
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	-	
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	-	
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	-	
1970: July.....	140,259	87,954	62.7	84,800	80,291	4,118	76,173	4,509	5.3	5.0	
November.....	141,091	86,386	61.2	83,347	78,740	3,226	75,514	4,607	5.5	5.9	
December.....	141,301	86,165	61.0	83,152	78,515	2,952	75,563	4,637	5.6	6.2	
1971: January.....	141,500	85,628	60.5	82,652	77,238	2,877	74,361	5,414	6.6	6.0	
February.....	141,670	85,653	60.5	82,703	77,262	2,846	74,415	5,442	6.6	5.8	
March.....	141,885	85,598	60.3	82,668	77,493	3,042	74,452	5,175	6.3	6.0	
April.....	142,088	85,780	60.4	82,898	78,204	3,505	74,699	4,694	5.7	6.1	
May.....	142,285	85,954	60.4	83,104	78,709	3,598	75,111	4,394	5.3	6.2	
June.....	142,482	87,784	61.6	84,968	79,478	3,920	75,559	5,490	6.5	5.6	
July.....	142,685	88,808	62.2	86,011	80,681	3,971	76,710	5,330	6.2	5.8	

¹Not available.

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

(In thousands)

Year, month, and sex	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force						Not in labor force	
		Number	Percent of popula- tion	Total	Employed			Unemployed			
					Total	Agricul- ture	Nonagri- cultural indus- ties	Number	Percent of labor force		
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: July.....	67,439	56,144	83.3	53,029	50,555	3,290	47,265	2,474	4.7	4.5 11,295	
1971: February.....	68,085	53,832	79.1	50,922	47,686	2,424	45,262	3,236	6.4	5.2 14,254	
March.....	68,185	53,875	79.0	50,987	47,979	2,595	45,383	3,008	5.9	5.3 14,310	
April.....	68,278	54,218	79.4	51,376	48,734	2,920	45,814	2,642	5.1	5.3 14,060	
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	
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: July.....	72,820	31,810	43.7	31,771	29,736	828	28,908	2,035	6.4	5.8 41,009	
1971: February.....	73,585	31,821	43.2	31,781	29,575	422	29,153	2,206	6.9	6.8 41,763	
March.....	73,700	31,723	43.0	31,682	29,515	447	29,068	2,167	6.8	7.2 41,977	
April.....	73,810	31,562	42.8	31,521	29,469	585	28,885	2,052	6.5	7.3 42,248	
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	

A - 3: Employment status of the noninstitutional population by sex, age, and color
 July 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.....	56,730	82.8	53,973	51,066	2,908	5.4	11,820	310	1,024	1,683	8,803
16 to 21 years.....	9,061	80.2	8,013	6,825	1,189	14.8	2,243	25	615	48	1,556
16 to 19 years.....	5,917	76.3	5,580	4,656	924	16.6	1,835	25	440	34	1,336
16 and 17 years.....	2,702	67.9	2,672	2,157	515	19.3	1,276	19	276	14	967
18 and 19 years.....	3,215	85.2	2,908	2,498	409	14.1	560	6	164	20	369
20 to 64 years.....	48,702	92.6	46,282	44,357	1,925	4.2	3,906	107	583	1,111	2,104
20 to 24 years.....	8,052	90.1	6,668	6,025	643	9.6	888	1	391	58	439
25 to 54 years.....	33,504	95.8	32,471	31,380	1,092	3.4	1,460	61	192	582	626
25 to 29 years.....	6,732	96.4	6,367	6,054	313	4.9	251	2	116	44	89
30 to 34 years.....	5,590	97.4	5,336	5,141	195	3.7	151	8	38	39	66
35 to 39 years.....	5,202	97.0	4,960	4,814	146	2.9	162	9	21	67	65
40 to 44 years.....	5,480	96.6	5,368	5,214	155	2.9	195	9	2	105	79
45 to 49 years.....	5,555	94.9	5,514	5,376	138	2.5	297	17	12	132	136
50 to 54 years.....	4,944	92.5	4,925	4,781	144	2.9	403	16	2	195	190
55 to 64 years.....	7,147	82.1	7,143	6,932	191	2.7	1,557	45	--	472	1,040
55 to 59 years.....	4,245	89.1	4,242	4,139	103	2.4	520	15	--	211	293
60 to 64 years.....	2,901	73.7	2,901	2,813	88	3.0	1,037	30	--	261	747
65 years and over.....	2,111	25.8	2,111	2,053	58	2.7	6,079	177	1	538	5,363
65 to 69 years.....	1,241	39.8	1,241	1,194	47	3.8	1,878	49	--	144	1,686
70 years and over.....	870	17.2	870	859	11	1.2	4,201	128	1	394	3,678
White											
16 years and over.....	50,943	83.2	48,498	46,135	2,364	4.9	10,316	254	854	1,329	7,879
16 to 21 years.....	7,964	81.3	7,036	6,092	944	13.4	1,834	16	485	36	1,297
16 to 19 years.....	5,216	77.7	4,917	4,187	730	14.8	1,497	17	338	26	1,116
16 and 17 years.....	2,381	69.3	2,355	1,947	408	17.3	1,053	12	209	8	824
18 and 19 years.....	2,835	86.5	2,562	2,240	322	12.6	444	5	129	18	292
20 to 64 years.....	43,776	93.0	41,630	40,049	1,581	3.8	3,276	80	516	863	1,816
20 to 24 years.....	7,096	90.5	5,858	5,330	527	9.0	742	1	343	41	357
25 to 54 years.....	30,130	96.3	29,226	28,338	888	3.0	1,157	43	173	431	511
25 to 34 years.....	10,969	97.2	10,428	10,029	399	3.8	321	3	138	57	122
35 to 44 years.....	9,577	97.0	9,270	9,027	243	2.6	291	15	21	131	124
45 to 54 years.....	9,584	94.6	9,528	9,283	246	2.6	545	23	14	242	265
55 to 64 years.....	6,550	82.6	6,546	6,380	166	2.5	1,377	37	--	392	948
55 to 59 years.....	3,872	89.4	3,869	3,782	87	2.3	459	14	--	183	261
60 to 64 years.....	2,678	74.5	2,678	2,599	79	2.9	918	23	--	209	687
65 years and over.....	1,951	26.0	1,951	1,898	53	2.7	5,543	157	--	440	4,947
Negro and other races											
16 years and over.....	5,786	79.4	5,475	4,931	544	9.9	1,503	55	170	354	924
16 to 21 years.....	1,097	72.8	977	732	245	25.1	409	8	130	12	259
16 to 19 years.....	700	67.4	663	468	195	29.3	338	8	102	8	220
16 and 17 years.....	320	59.0	317	210	108	33.9	223	7	67	6	142
18 and 19 years.....	380	76.7	345	258	87	25.1	116	1	35	2	77
20 to 64 years.....	4,926	88.7	4,652	4,308	345	7.4	629	27	67	247	288
20 to 24 years.....	955	86.7	810	695	115	14.2	147	1	48	16	82
25 to 54 years.....	3,373	91.7	3,246	3,042	204	6.3	303	20	19	151	114
25 to 34 years.....	1,353	94.3	1,276	1,166	110	8.6	82	7	16	25	33
35 to 44 years.....	1,105	94.4	1,059	1,001	58	5.5	66	2	2	41	20
45 to 54 years.....	916	85.4	911	875	36	4.0	156	10	1	85	60
55 to 64 years.....	597	76.9	597	571	26	4.3	180	7	--	80	92
55 to 59 years.....	374	86.0	373	357	16	4.3	61	--	--	28	32
60 to 64 years.....	223	65.3	223	214	9	4.2	119	7	--	52	60
65 years and over.....	160	23.0	160	155	5	3.0	536	20	1	98	417

HOUSEHOLD DATA

A-3: Employment status of the noninstitutional population by sex, age, and color--Continued
 July 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	32,078	43.3	32,038	29,616	2,422	7.6	42,058	36,414	986	942	3,716
16 to 21 years	6,399	57.6	6,379	5,355	1,024	16.1	4,705	2,097	731	15	1,863
16 to 19 years	4,195	55.2	4,186	3,383	803	19.2	3,402	1,120	553	7	1,722
16 and 17 years.....	1,799	46.3	1,799	1,421	378	21.0	2,090	485	298	1	1,306
18 and 19 years.....	2,396	64.6	2,387	1,963	424	17.8	1,312	635	255	6	416
20 to 64 years	26,847	48.5	26,816	25,223	1,592	5.9	28,527	26,498	429	332	1,267
20 to 24 years	5,227	58.9	5,207	4,700	507	9.7	3,648	3,075	278	18	277
25 to 54 years	17,625	48.1	17,613	16,661	951	5.4	19,044	18,013	150	154	728
25 to 29 years	3,027	42.7	3,023	2,787	235	7.8	4,057	3,852	61	15	128
30 to 34 years	2,528	42.7	2,526	2,386	139	5.5	3,397	3,215	33	14	136
35 to 39 years	2,644	47.5	2,643	2,490	153	5.8	2,921	2,771	26	20	104
40 to 44 years	3,044	50.9	3,042	2,893	149	4.9	2,934	2,747	18	32	137
45 to 49 years	3,330	52.9	3,329	3,182	147	4.4	2,960	2,783	11	34	133
50 to 54 years	3,052	52.4	3,051	2,924	128	4.2	2,775	2,645	1	39	90
55 to 64 years	3,996	40.6	3,996	3,862	133	3.3	5,834	5,411	2	161	261
55 to 59 years	2,441	46.2	2,441	2,350	92	3.8	2,838	2,646	2	73	116
60 to 64 years	1,554	34.2	1,554	1,513	42	2.7	2,997	2,765	--	87	145
65 years and over	1,036	9.3	1,036	1,009	28	2.7	10,129	8,795	4	603	727
65 to 69 years	634	16.7	634	616	18	2.8	3,159	2,846	4	92	217
70 years and over	402	5.5	402	392	10	2.4	6,970	5,949	--	511	510
White											
16 years and over	27,764	42.2	27,728	25,867	1,861	6.7	38,016	33,210	781	751	3,274
16 to 21 years	5,588	58.5	5,571	4,801	771	13.8	3,957	1,775	575	12	1,595
16 to 19 years	3,673	56.3	3,665	3,056	609	16.6	2,855	938	435	6	1,477
16 and 17 years.....	1,571	47.1	1,571	1,280	291	18.5	1,762	415	219	1	1,128
18 and 19 years.....	2,102	65.8	2,094	1,776	318	15.2	1,093	523	216	5	349
20 to 64 years	23,152	47.3	23,124	21,894	1,230	5.3	25,815	24,099	343	234	1,139
20 to 24 years	4,530	58.8	4,512	4,129	383	8.5	3,177	2,707	221	15	235
25 to 54 years	15,062	46.6	15,051	14,321	731	4.9	17,280	16,396	120	97	667
25 to 34 years	4,619	40.6	4,613	4,341	271	5.9	6,762	6,425	73	25	239
35 to 44 years	4,824	47.7	4,821	4,603	218	4.5	5,293	5,003	37	33	221
45 to 54 years	5,619	51.8	5,618	5,376	242	4.3	5,225	4,967	11	39	207
55 to 64 years	3,560	39.9	3,560	3,444	116	3.3	5,358	4,997	1	123	237
55 to 59 years	2,173	45.6	2,173	2,090	83	3.8	2,595	2,429	2	59	105
60 to 64 years	1,387	33.4	1,387	1,354	33	2.4	2,763	2,568	--	64	132
65 years and over	939	9.1	939	917	22	2.3	9,346	8,173	3	511	659
Negro and other races											
16 years and over	4,315	51.6	4,310	3,749	561	13.0	4,041	3,204	206	190	441
16 to 21 years	811	52.0	808	555	253	31.4	748	322	155	3	268
16 to 19 years	522	48.8	521	327	194	37.1	547	183	118	1	245
16 and 17 years.....	228	41.0	228	141	87	38.3	328	70	79	--	178
18 and 19 years.....	294	57.3	293	187	106	36.3	219	112	39	1	67
20 to 64 years	3,696	57.7	3,692	3,330	362	9.8	2,711	2,399	86	98	128
20 to 24 years	697	59.7	695	571	124	17.9	471	368	57	4	42
25 to 54 years	2,562	59.2	2,561	2,341	220	8.6	1,765	1,617	29	56	62
25 to 34 years	936	57.5	936	832	103	11.1	692	642	21	4	26
35 to 44 years	864	60.6	864	780	84	9.7	562	515	7	19	20
45 to 54 years	762	59.9	762	729	33	4.3	510	460	1	33	16
55 to 64 years	436	47.8	436	418	18	4.1	476	414	1	38	24
55 to 59 years	268	52.4	268	259	9	3.3	243	217	1	15	11
60 to 64 years	168	41.8	168	159	9	5.2	233	197	--	23	13
65 years and over	97	11.0	97	91	6	6.0	783	622	1	92	68

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	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
MALE								
16 years and over	56,730	56,144	82.8	83.3	53,973	53,029	82.0	82.4
16 to 19 years	5,917	5,714	76.3	75.8	5,580	5,329	75.3	74.5
16 and 17 years.....	2,702	2,629	67.9	67.7	2,672	2,602	67.7	67.5
18 and 19 years.....	3,215	3,084	85.2	84.3	2,908	2,727	83.9	82.6
20 to 24 years	8,052	7,858	90.1	92.1	6,668	6,184	88.2	90.2
25 to 54 years	33,504	33,291	95.8	96.0	32,471	32,238	95.7	95.8
25 to 34 years	12,322	12,002	96.8	96.7	11,703	11,358	96.7	96.6
35 to 44 years	10,583	10,794	96.8	96.8	10,328	10,455	96.7	96.7
45 to 54 years	10,499	10,494	93.7	94.3	10,439	10,426	93.7	94.3
55 to 64 years	7,147	7,117	82.1	82.8	7,143	7,114	82.1	82.8
55 to 59 years	4,245	4,216	89.1	89.3	4,242	4,213	89.1	89.3
60 to 64 years	2,901	2,901	73.7	74.9	2,901	2,901	73.7	74.9
65 years and over	2,111	2,164	25.8	26.8	2,111	2,165	25.8	26.8
White								
16 years and over	50,943	50,403	83.2	83.5	48,498	47,597	82.5	82.7
16 to 19 years	5,216	5,061	77.7	77.4	4,917	4,708	76.7	76.1
16 and 17 years.....	2,381	2,342	69.3	69.7	2,355	2,316	69.1	69.5
18 and 19 years.....	2,835	2,719	86.5	85.6	2,562	2,391	85.2	83.9
20 to 24 years	7,096	6,928	90.5	92.4	5,858	5,405	88.8	90.4
25 to 54 years	30,130	29,944	96.3	96.4	29,226	29,016	96.2	96.3
25 to 34 years	10,969	10,689	97.2	97.0	10,428	10,122	97.0	96.8
35 to 44 years	9,577	9,696	97.0	97.2	9,270	9,399	97.0	97.1
45 to 54 years	9,584	9,559	94.6	94.9	9,528	9,495	94.6	94.9
55 to 64 years	6,550	6,519	82.6	83.3	6,546	6,516	82.6	83.3
55 to 59 years	3,872	3,866	89.4	90.2	3,869	3,863	89.4	90.2
60 to 64 years	2,678	2,653	74.5	75.0	2,678	2,653	74.5	75.0
65 years and over	1,951	1,952	26.0	26.4	1,951	1,952	26.0	26.4
Negro and other races								
16 years and over	5,786	5,741	79.4	80.8	5,475	5,434	78.5	79.9
16 to 19 years	700	653	67.4	65.1	663	622	66.2	64.0
16 and 17 years.....	320	288	59.0	55.1	317	286	58.8	54.9
18 and 19 years.....	380	365	76.7	76.1	345	335	74.9	74.5
20 to 24 years	955	931	86.7	90.4	810	779	84.7	88.7
25 to 54 years	3,373	3,347	91.7	92.5	3,246	3,222	91.5	92.2
25 to 34 years	1,353	1,313	94.3	94.7	1,276	1,235	94.0	94.4
35 to 44 years	1,105	1,098	94.4	93.7	1,059	1,056	94.2	93.5
45 to 54 years	916	935	85.4	88.2	911	931	85.4	88.2
55 to 64 years	597	598	76.9	77.7	597	598	76.8	77.7
55 to 59 years	374	350	86.0	80.9	373	350	86.0	80.9
60 to 64 years	223	248	65.3	73.6	223	248	65.3	73.6
65 years and over	160	213	23.0	31.1	160	213	23.0	31.1

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	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
FEMALE								
16 years and over	32,078	31,810	43.3	43.7	32,038	31,771	43.2	43.7
16 to 19 years	4,195	4,050	55.2	54.8	4,186	4,041	55.2	54.7
16 and 17 years	1,799	1,763	46.3	46.4	1,799	1,764	46.3	46.4
18 and 19 years	2,396	2,287	64.6	63.7	2,387	2,277	64.5	63.6
20 to 24 years	5,227	4,980	58.9	58.7	5,207	4,961	58.8	58.7
25 to 54 years	17,625	17,664	48.1	48.6	17,613	17,652	48.0	48.5
25 to 34 years	5,555	5,525	42.7	43.5	5,548	5,518	42.7	43.5
35 to 44 years	5,688	5,746	49.3	49.2	5,685	5,743	49.3	49.2
45 to 54 years	6,381	6,393	52.7	53.2	6,380	6,391	52.7	53.2
55 to 64 years	3,996	4,101	40.6	42.5	3,996	4,101	40.6	42.5
55 to 59 years	2,441	2,527	46.2	48.6	2,441	2,527	46.2	48.5
60 to 64 years	1,554	1,573	34.2	35.3	1,554	1,573	34.2	35.3
65 years and over	1,036	1,016	9.3	9.3	1,036	1,016	9.3	9.3
White								
16 years and over	27,764	27,647	42.2	42.7	27,728	27,612	42.2	42.7
16 to 19 years	3,673	3,556	56.3	55.9	3,665	3,548	56.2	55.9
16 and 17 years	1,571	1,543	47.1	47.2	1,571	1,543	47.1	47.2
18 and 19 years	2,102	2,013	65.8	65.1	2,094	2,004	65.7	65.0
20 to 24 years	4,530	4,333	58.8	58.7	4,512	4,316	58.7	58.6
25 to 54 years	15,062	15,165	46.6	47.2	15,051	15,154	46.6	47.2
25 to 34 years	4,619	4,625	40.6	41.6	4,613	4,619	40.6	41.6
35 to 44 years	4,824	4,908	47.7	47.9	4,821	4,905	47.7	47.9
45 to 54 years	5,619	5,631	51.8	52.3	5,618	5,630	51.8	52.3
55 to 64 years	3,560	3,682	39.9	42.0	3,560	3,681	39.9	42.0
55 to 59 years	2,173	2,258	45.6	48.0	2,173	2,258	45.6	48.0
60 to 64 years	1,387	1,423	33.4	35.0	1,387	1,423	33.4	35.0
65 years and over	939	913	9.1	9.1	939	913	9.1	9.1
Negro and other races								
16 years and over	4,315	4,163	51.6	51.2	4,310	4,160	51.6	51.2
16 to 19 years	522	494	48.8	47.9	521	493	48.8	47.8
16 and 17 years	228	220	41.0	41.1	228	220	41.0	41.1
18 and 19 years	294	274	57.3	55.1	293	273	57.2	55.0
20 to 24 years	697	647	59.7	59.2	695	645	59.6	59.1
25 to 54 years	2,562	2,499	59.2	58.7	2,561	2,498	59.2	58.7
25 to 34 years	936	900	57.5	57.0	936	899	57.5	57.0
35 to 44 years	864	838	60.6	58.7	864	838	60.6	58.7
45 to 54 years	762	761	59.9	61.0	762	761	59.9	61.0
55 to 64 years	436	419	47.8	47.1	436	419	47.8	47.1
55 to 59 years	268	269	52.4	53.6	268	269	52.4	53.6
60 to 64 years	168	150	41.8	38.7	168	150	41.8	38.7
65 years and over	97	104	11.0	12.1	97	104	11.0	12.1

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A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex
 July 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	22,408	11,304	11,104	19,342	9,798	9,545	3,065	1,506	1,559
Total labor force	15,460	9,061	6,399	13,552	7,964	5,588	1,908	1,097	811
Percent of population	69.0	80.2	57.6	70.1	81.3	58.5	62.2	72.8	52.0
Civilian labor force	14,393	8,013	6,379	12,607	7,036	5,571	1,786	977	808
Employed	12,180	6,825	5,355	10,893	6,092	4,081	1,287	732	555
Agriculture	804	650	154	698	577	120	107	73	34
Nonagricultural industries	11,375	6,174	5,201	10,195	5,515	4,680	1,181	659	521
Unemployed	2,213	1,189	1,024	1,714	944	771	499	245	253
Percent of labor force	15.4	14.8	16.1	13.6	13.4	13.8	27.9	25.1	31.4
Looking for full-time work	1,698	917	781	1,314	729	585	384	188	196
Looking for part-time work	515	272	243	400	215	185	114	57	58
Not in labor force	6,948	2,243	4,705	5,790	1,834	3,957	1,158	409	748
Major activity: going to school									
Civilian labor force	260	114	146	205	89	116	55	24	30
Employed	166	60	106	139	48	90	28	12	16
Agriculture	2	--	4	1	--	3	1	--	--
Nonagricultural industries	164	62	102	137	51	87	27	11	15
Unemployed	94	53	40	67	41	26	27	13	14
Percent of labor force	36.1	47.0	27.6	32.5	45.7	22.4	49.5	51.7	47.7
Looking for full-time work	28	14	13	21	14	8	6	1	6
Looking for part-time work	66	39	27	45	27	18	21	12	9
Not in labor force	1,345	615	731	1,060	485	575	285	130	155
Major activity: other									
Civilian labor force	14,133	7,900	6,233	12,402	6,947	5,455	1,731	953	778
Employed	12,014	6,764	5,249	10,754	6,044	4,710	1,260	721	539
Agriculture	802	652	150	697	580	117	106	73	33
Nonagricultural industries	11,211	6,112	5,099	10,058	5,464	4,593	1,154	648	506
Unemployed	2,119	1,136	984	1,648	903	745	472	233	239
Percent of labor force	15.0	14.4	15.8	13.3	13.0	13.6	27.2	24.4	30.7
Looking for full-time work	1,671	902	768	1,293	715	578	378	187	190
Looking for part-time work	449	233	215	355	188	167	94	45	49
Not in labor force	5,603	1,628	3,974	4,730	1,349	3,382	872	279	593

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	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Total								
Total noninstitutional population	142,685	140,259	60,798	59,899	66,539	65,429	15,349	14,930
Total labor force	88,808	87,954	50,813	50,430	27,883	27,760	10,112	9,764
Percent of population	62.2	62.7	83.6	84.2	41.9	42.4	65.9	65.4
Civilian labor force	86,011	84,800	48,393	47,700	27,852	27,730	9,766	9,370
Employed	80,681	80,291	46,410	46,033	26,232	26,339	8,039	7,919
Agriculture	3,971	4,118	2,633	2,759	669	713	669	646
Nonagricultural industries	76,710	76,173	43,777	43,274	25,563	25,626	7,370	7,273
Unemployed	5,330	4,509	1,983	1,667	1,620	1,391	1,727	1,451
Percent of labor force	6.2	5.3	4.1	3.5	5.8	5.0	17.7	15.5
Not in labor force	53,877	52,304	9,985	9,469	38,656	37,669	5,237	5,166
White								
Total noninstitutional population	127,039	125,027	54,546	53,797	59,252	58,335	13,241	12,895
Total labor force	78,707	78,050	45,727	45,343	24,091	24,091	8,889	8,617
Percent of population	62.0	62.4	83.8	84.3	40.7	41.3	67.1	66.8
Civilian labor force	76,226	75,209	43,581	42,889	24,063	24,064	8,582	8,256
Employed	72,002	71,593	41,947	41,507	22,811	22,947	7,243	7,139
Agriculture	3,555	3,639	2,384	2,469	589	612	582	557
Nonagricultural industries	68,446	67,954	39,564	39,038	22,222	22,335	6,661	6,581
Unemployed	4,224	3,616	1,634	1,382	1,252	1,117	1,339	1,117
Percent of labor force	5.5	4.8	3.7	3.2	5.2	4.6	15.6	13.5
Not in labor force	48,332	46,977	8,819	8,455	35,161	34,244	4,352	4,278
Negro and other races								
Total noninstitutional population	15,646	15,232	6,251	6,102	7,287	7,094	2,108	2,035
Total labor force	10,101	9,905	5,086	5,088	3,793	3,669	1,223	1,147
Percent of population	64.6	65.0	81.4	83.4	52.0	51.7	58.0	56.4
Civilian labor force	9,785	9,594	4,812	4,812	3,789	3,667	1,184	1,115
Employed	8,680	8,698	4,463	4,526	3,421	3,392	796	780
Agriculture	416	479	250	291	80	101	86	88
Nonagricultural industries	8,264	8,219	4,213	4,236	3,342	3,291	709	692
Unemployed	1,106	896	350	286	368	275	388	335
Percent of labor force	11.3	9.3	7.3	5.9	9.7	7.5	32.8	30.0
Not in labor force	5,545	5,327	1,165	1,014	3,494	3,425	885	888

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

July 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	75,871	68,059	3,376	4,437	5.8	10,140	9,247	893	8.8
16 to 21 years	11,393	8,139	1,556	1,698	14.9	2,999	2,485	815	17.2
16 to 19 years	7,300	4,758	1,278	1,264	17.3	2,466	2,003	463	18.8
16 and 17 years.....	2,844	1,493	794	558	19.6	1,627	1,291	336	20.7
18 and 19 years.....	4,456	3,266	484	707	15.9	839	712	127	15.1
20 years and over	68,571	63,301	2,098	3,172	4.6	7,674	7,244	430	5.6
20 to 24 years	10,709	9,179	502	1,028	9.6	1,166	1,044	122	10.5
25 years and over	57,862	54,122	1,596	2,144	3.7	6,508	6,200	308	4.7
25 to 54 years	45,985	42,984	1,181	1,821	4.0	4,099	3,876	223	5.4
55 years and over	11,877	11,138	415	324	2.7	2,409	2,323	86	3.6
MALE									
16 years and over	50,689	46,307	1,856	2,526	5.0	3,284	2,903	381	11.6
16 to 21 years	6,586	4,819	851	917	13.9	1,427	1,155	272	19.1
16 to 19 years	4,364	2,980	708	676	15.5	1,216	968	248	20.4
20 years and over	46,326	43,328	1,148	1,850	4.0	2,067	1,934	133	6.4
20 to 24 years	6,216	5,355	274	587	9.4	451	396	56	12.4
25 years and over	40,110	37,973	874	1,263	3.1	1,616	1,538	77	4.8
25 to 54 years	31,905	30,214	637	1,054	3.3	566	529	38	6.7
55 years and over	8,205	7,758	236	210	2.6	1,049	1,011	40	3.8
FEMALE									
16 years and over	25,182	21,752	1,520	1,190	7.6	6,856	6,344	512	7.5
16 to 21 years	4,807	3,320	705	781	16.3	1,573	1,330	243	15.4
16 to 19 years	2,937	1,779	570	588	20.0	1,249	1,035	214	17.2
20 years and over	22,245	19,973	950	1,322	5.9	5,607	5,309	297	5.3
20 to 24 years	4,492	3,824	228	441	9.8	715	648	67	9.3
25 years and over	17,753	16,149	722	881	5.0	4,892	4,661	230	4.7
25 to 54 years	14,080	12,770	544	766	5.4	3,532	3,348	184	5.2
55 years and over	3,672	3,379	178	114	3.1	1,359	1,314	46	3.4

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	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Total, 16 years and over	2,908	2,474	5.4	4.7	2,422	2,035	7.6	6.4
16 to 19 years	924	807	16.6	15.1	803	644	19.2	15.9
16 and 17 years	515	418	19.3	16.1	378	323	21.0	18.3
18 and 19 years	409	389	14.1	14.3	424	321	17.8	14.1
20 years and over	1,983	1,667	4.1	3.5	1,620	1,391	5.8	5.0
20 to 24 years	643	528	9.6	8.5	507	422	9.7	8.5
25 years and over	1,341	1,140	3.2	2.7	1,112	969	4.9	4.3
25 to 34 years	509	382	4.3	3.4	375	358	6.8	6.5
35 to 44 years	301	245	2.9	2.3	302	230	5.3	4.0
45 to 54 years	282	281	2.7	2.7	275	231	4.3	3.6
55 to 64 years	191	167	2.7	2.3	133	110	3.3	2.7
55 to 59 years	103	115	2.4	2.7	92	67	3.8	2.7
60 to 64 years	88	52	3.0	1.8	42	43	2.7	2.7
65 years and over	58	66	2.7	3.0	28	40	2.7	3.9
Household head, 16 years and over	1,343	1,100	3.1	2.6	379	310	5.7	4.9
16 to 24 years	231	164	6.4	4.8	58	61	7.9	9.5
25 to 54 years	873	717	2.9	2.4	243	180	6.4	5.0
55 years and over	239	217	2.7	2.4	77	70	3.6	3.3

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

Marital status, age, and color	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Total, 16 years and over.....	2,908	2,474	5.4	4.7	2,422	2,035	7.6	6.4
Married, spouse present	1,110	959	2.8	2.5	1,002	895	5.6	5.0
Widowed, divorced, or separated.....	227	205	7.8	7.2	404	350	6.9	6.1
Single (never married).....	1,571	1,311	13.4	11.7	1,016	790	12.1	9.8
Total, 20 to 64 years of age.....	1,925	1,601	4.2	3.5	1,592	1,351	5.9	5.1
Married, spouse present	1,038	894	2.8	2.4	915	809	5.4	4.7
Widowed, divorced, or separated.....	214	186	8.1	7.4	375	309	7.2	6.1
Single (never married).....	673	521	10.6	8.6	302	232	6.7	5.3
White, 16 years and over.....	2,364	2,030	4.9	4.3	1,861	1,586	6.7	5.7
Married, spouse present	945	822	2.6	2.3	842	755	5.3	4.7
Widowed, divorced, or separated.....	176	163	7.6	7.1	274	255	5.8	5.6
Single (never married).....	1,243	1,044	12.2	10.6	745	576	10.3	8.2
White, 20 to 64 years of age	1,581	1,324	3.8	3.2	1,230	1,077	5.3	4.7
Married, spouse present	878	763	2.6	2.3	766	688	5.0	4.5
Widowed, divorced, or separated.....	164	145	7.9	7.2	252	219	6.2	5.5
Single (never married).....	538	415	9.8	7.9	212	170	5.6	4.5
Negro and other races, 16 years and over.....	544	446	9.9	8.2	561	450	13.0	10.8
Married, spouse present	165	137	4.9	4.0	161	140	8.4	7.3
Widowed, divorced, or separated.....	52	42	8.7	7.3	130	95	10.7	7.9
Single (never married).....	328	267	21.9	18.6	271	215	22.9	20.8
Negro and other races, 20 to 64 years of age	345	278	7.4	6.0	362	275	9.8	7.7
Married, spouse present	160	131	4.9	4.0	150	122	8.1	6.6
Widowed, divorced, or separated.....	50	41	9.0	8.3	122	90	10.7	8.1
Single (never married).....	135	106	15.8	12.8	89	63	12.7	10.7

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Total.....	5,330	4,509	6.2	5.3	5.4	4.7	7.6	6.4
White-collar workers.....	1,450	1,196	3.7	3.1	2.8	2.2	4.7	4.0
Professional and technical.....	365	280	3.4	2.5	2.9	2.2	4.1	3.1
Managers, officials, and proprietors	141	114	1.6	1.3	1.5	1.2	2.0	2.3
Clerical workers.....	701	611	4.9	4.2	4.4	3.7	5.1	4.4
Sales workers	244	191	4.6	3.8	3.7	3.0	5.8	4.8
Blue-collar workers	2,049	1,915	6.7	6.2	5.9	5.5	10.9	9.9
Craftsmen and foremen.....	445	357	4.0	3.3	3.9	3.3	6.9	4.3
Carpenters and other construction craftsmen.....	181	147	5.3	4.7	5.2	4.7	(1)	(1)
All other	264	210	3.5	2.7	3.3	2.7	6.6	4.2
Operatives.....	1,178	1,138	8.3	7.5	6.8	6.3	11.5	10.1
Drivers and deliverymen.....	144	112	5.2	4.3	5.1	4.1	6.8	(1)
All other.....	1,034	1,026	9.0	8.1	7.5	7.0	11.7	10.1
Nonfarm laborers.....	426	420	8.2	8.8	8.4	8.6	6.4	14.6
Construction laborers.....	121	143	10.5	12.6	10.3	12.7	(1)	--
All other	305	277	7.6	7.6	7.8	7.2	5.5	15.4
Service workers.....	774	558	6.7	5.4	6.4	6.0	6.8	5.0
Private household.....	88	78	6.0	5.1	(1)	(1)	6.0	5.2
All other.....	685	480	6.8	5.4	6.4	6.1	7.1	5.0
Farmers and farm laborers.....	90	85	2.5	2.2	2.2	2.1	3.4	2.4
No previous work experience	967	756	--	--	--	--	--	--
16 to 19 years.....	811	638	--	--	--	--	--	--
20 to 24 years.....	117	80	--	--	--	--	--	--
25 years and over.....	38	38	--	--	--	--	--	--

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Percent not shown where base is less than 100.0

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

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Total.....	100.0	100.0	6.2	5.3	5.4	4.7	7.6	6.4
Private wage and salary workers	70.4	73.6	6.0	5.4	5.5	4.9	7.0	6.1
Mining.....	.5	.2	4.3	1.6	4.4	1.6	(1)	(1)
Construction.....	5.7	7.2	6.8	7.7	7.0	7.8	4.2	4.6
Manufacturing	26.2	28.9	6.8	6.0	5.7	4.9	9.4	8.7
Durable goods	15.7	17.3	7.0	6.1	6.3	5.5	9.5	8.4
Primary metal industries	1.3	1.2	5.4	4.1	5.2	3.9	7.2	6.2
Fabricated metal products.....	1.4	2.1	5.1	5.4	3.9	4.8	11.0	8.0
Machinery.....	2.6	2.4	6.9	4.6	6.3	4.2	9.9	6.2
Electrical equipment.....	2.3	2.9	6.3	6.2	5.1	4.3	8.2	9.2
Motor vehicles and equipment.....	1.8	2.8	8.8	10.8	9.3	10.6	4.7	12.4
All other transportation equipment.....	2.3	2.4	11.0	8.5	10.4	8.3	15.0	10.3
Other durable goods industries.....	4.1	3.5	7.0	5.7	6.0	4.9	10.4	8.1
Nondurable goods	10.5	11.6	6.5	5.8	4.6	3.8	9.4	8.9
Food and kindred products.....	2.3	2.9	6.8	6.8	4.6	4.7	13.3	12.9
Textile mill products	1.4	1.8	7.1	7.3	5.6	2.7	8.8	12.2
Apparel and other finished textile products.....	2.4	2.8	8.7	8.7	6.7	8.0	9.2	8.9
Other nondurable goods industries.....	4.4	4.2	5.4	4.1	4.3	3.2	8.4	6.2
Transportation and public utilities.....	2.7	3.6	3.0	3.4	2.7	3.3	4.2	3.7
Railroads and railway express4	.3	2.7	1.8	2.5	1.9	(1)	(1)
Other transportation	1.4	2.3	3.6	5.1	3.9	5.2	1.7	4.9
Communication and other public utilities	1.0	1.0	2.6	2.3	1.1	1.5	5.4	3.5
Wholesale and retail trade	18.4	16.7	6.5	5.4	5.5	4.8	7.8	6.3
Finance, insurance, and real estate.....	2.7	3.0	3.6	3.5	2.7	3.4	4.4	3.6
Service industries	14.2	14.1	5.9	5.0	6.3	5.0	5.7	5.0
Professional services.....	4.7	4.9	4.0	3.6	4.3	4.2	3.9	3.4
All other service industries.....	9.5	9.3	7.7	6.2	7.7	5.6	7.8	6.6
Agricultural wage and salary workers	2.0	2.3	6.9	6.6	6.6	6.2	8.3	8.4
All other classes of workers	9.5	7.3	2.4	1.6	1.7	1.2	3.6	2.3
No previous work experience.....	18.1	16.8	--	--	--	--	--	--

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Percent not shown where base is less than 100,000

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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	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Unemployment level												
Total unemployed, in thousands.....	5,330	4,509	1,983	1,667	1,620	1,391	1,727	1,451	4,224	3,616	1,106	896
Lost last job	2,202	1,778	1,259	1,013	697	574	246	191	1,807	1,456	396	321
Left last job	548	635	216	230	203	256	129	149	447	517	100	117
Reentered labor force	1,615	1,342	429	368	643	500	542	474	1,230	1,065	385	277
Never worked before	965	756	79	56	76	62	810	638	741	576	224	180
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	41.3	39.4	63.5	60.8	43.1	41.2	14.2	13.2	42.8	40.3	35.8	35.9
Left last job	10.3	14.1	10.9	13.8	12.5	18.4	7.5	10.3	10.6	14.3	9.0	30.9
Reentered labor force	30.3	29.7	21.6	22.1	39.7	35.9	31.4	32.6	29.1	29.5	34.8	30.9
Never worked before	18.1	16.8	4.0	3.4	4.7	4.5	46.9	43.9	17.5	15.9	20.3	20.1
Unemployment rate												
Total unemployment rate.....	6.2	5.3	4.1	3.5	5.8	5.0	17.7	15.5	5.5	4.8	11.3	9.3
Job-loser rate ¹	2.6	2.1	2.6	2.1	2.5	2.1	2.5	2.0	2.4	1.9	4.0	3.3
Job-leaver rate ¹6	.7	.4	.5	.7	.9	1.3	1.6	.6	.7	1.0	1.2
Reentrant rate ¹	1.9	1.6	.9	.8	2.3	1.8	5.5	5.1	1.6	1.4	3.9	2.9
New entrant rate ¹	1.1	.9	.2	.1	.3	.2	8.3	6.8	1.0	.8	2.3	1.9

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

A-13: Unemployed persons by reason for unemployment, duration, sex, and age
July 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	5,330	100.0	44.0	34.7	21.2	9.7	11.5	
Lost last job.....	2,202	100.0	37.0	28.8	34.2	14.5	19.7	
Left last job	548	100.0	49.2	32.4	18.5	11.5	6.9	
Reentered labor force	1,615	100.0	49.7	37.2	13.1	6.2	6.9	
Never worked before	965	100.0	47.8	45.6	6.6	3.4	3.2	
Male, 20 years and over	1,983	100.0	38.5	31.3	30.2	13.4	16.8	
Lost last job	1,259	100.0	37.4	28.0	34.7	14.5	20.2	
Left last job	216	100.0	39.8	39.8	20.4	15.3	5.1	
Reentered labor force	429	100.0	40.8	35.0	24.2	10.3	14.0	
Never worked before	79	100.0	41.0	39.7	19.2	10.3	9.0	
Female, 20 years and over	1,620	100.0	44.3	30.4	25.3	11.7	13.5	
Lost last job	697	100.0	30.5	30.3	39.2	16.8	22.4	
Left last job	203	100.0	53.2	26.1	20.7	10.8	9.9	
Reentered labor force	643	100.0	55.6	30.7	13.7	7.8	5.9	
Never worked before	76	100.0	52.0	41.3	6.7	1.3	5.3	
Both sexes, 16 to 19 years	1,727	100.0	50.1	42.8	7.1	3.4	3.7	
Lost last job	246	100.0	53.5	28.2	18.4	8.6	9.8	
Left last job	129	100.0	58.1	31.0	10.9	5.4	5.4	
Reentered labor force	542	100.0	49.7	46.6	3.7	1.1	2.6	
Never worked before	810	100.0	48.0	46.5	5.4	3.0	2.5	

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

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A-14: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Total	5,330	4,509	100.0	100.0	1,722	1,410	100.0	100.0
Less than 5 weeks	2,348	2,313	44.1	51.3	673	700	39.1	49.6
5 to 14 weeks	1,851	1,597	34.7	35.4	501	427	29.1	30.3
5 to 10 weeks	1,512	1,314	28.4	29.1	366	307	21.3	21.8
11 to 14 weeks	339	283	6.4	6.3	135	120	7.8	8.5
15 weeks and over	1,131	599	21.2	13.3	548	284	31.8	20.1
15 to 26 weeks	516	341	9.7	7.6	240	143	13.9	10.1
27 weeks and over	615	258	11.5	5.7	309	141	17.9	10.0
Average (mean) duration.....	10.8	8.4	--	--	14.0	10.4	--	--

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

July 1971

Sex, age, color, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of un- employed in group	15 weeks and over as a percent of un- employed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			July 1971	July 1970		
								July 1971	July 1970		
Total	5,330	2,348	1,851	516	615	10.8	44.0	51.3	21.2	13.3	
16 to 21 years.....	2,213	1,100	910	99	104	7.3	49.7	53.9	9.2	4.9	
16 to 19 years.....	1,727	865	738	59	64	6.8	50.1	53.7	7.1	2.8	
20 to 24 years.....	1,150	513	421	109	107	9.5	44.6	53.4	18.8	10.7	
25 to 44 years.....	1,487	636	411	218	221	12.5	42.8	51.8	29.5	18.8	
45 years and over	967	333	281	130	223	17.1	34.4	44.4	36.5	25.4	
Male	2,908	1,204	1,016	308	380	11.7	41.4	49.5	23.7	14.5	
16 to 21 years.....	1,189	559	496	66	68	7.8	47.0	53.6	11.2	5.6	
16 to 19 years.....	924	439	396	42	47	7.4	47.5	52.5	9.6	3.2	
20 to 24 years.....	643	267	238	73	64	10.1	41.6	53.2	21.3	11.5	
25 to 44 years.....	810	325	243	116	124	13.1	40.1	51.2	29.8	19.3	
45 years and over	531	171	139	77	144	19.2	32.3	38.9	41.6	29.4	
Female.....	2,422	1,144	835	208	236	9.8	47.2	53.5	18.3	11.8	
16 to 21 years.....	1,024	541	413	33	36	6.6	52.9	54.3	6.8	4.0	
16 to 19 years.....	803	426	342	17	17	6.0	53.1	55.3	4.2	2.3	
20 to 24 years	507	245	183	36	43	8.8	48.3	53.7	15.6	9.7	
25 to 44 years	677	311	168	101	97	11.9	45.9	52.6	29.2	18.4	
45 years and over	436	162	142	53	79	14.5	37.1	51.7	30.3	20.0	
White: Total	4,224	1,830	1,507	401	486	10.9	43.3	51.7	21.0	13.6	
Male	2,364	960	843	245	315	11.8	40.6	49.4	23.7	14.7	
Female	1,861	870	664	156	170	9.7	46.8	54.7	17.6	12.1	
Negro and other races: Total	1,106	518	344	114	129	10.7	46.8	49.7	22.1	12.2	
Male	544	244	173	63	64	11.4	44.8	50.1	23.4	13.7	
Female	561	274	171	51	65	10.0	48.8	49.3	20.7	10.7	
Male: Married, wife present	1,110	426	317	149	218	14.7	38.3	47.4	33.1	19.7	
Widowed, divorced, or separated.....	227	78	58	42	50	2.3	34.3	42.9	40.1	24.5	
Single (never married)	1,571	700	641	117	112	8.8	44.6	52.0	14.6	9.1	
Female: Married, husband present	1,002	473	277	111	141	11.7	47.2	54.5	25.2	15.3	
Widowed, divorced, or separated	404	178	122	50	53	2.7	44.1	58.0	25.6	14.7	
Single (never married)	1,016	493	436	46	42	7.3	48.5	50.3	8.6	6.6	

A-16: Unemployed persons by duration, occupation, and industry of last job
July 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		July 1971	July 1970	July 1971	July 1970
	OCCUPATION									
White-collar workers	1,450	561	503	192	195	12.4	38.7	48.6	26.6	16.1
Professional and managerial	506	164	181	77	86	14.9	32.4	47.2	32.2	19.3
Clerical workers	701	290	238	89	84	11.4	41.4	50.7	24.6	13.2
Sales workers	244	107	84	27	26	10.4	44.0	44.4	21.5	19.0
Blue-collar workers	2,049	879	615	240	315	12.6	42.9	52.1	27.1	16.8
Craftsmen and foremen	445	182	126	48	89	14.6	40.8	49.8	30.8	18.5
Operatives	1,178	498	335	162	183	12.8	42.3	51.6	29.3	17.1
Nonfarm laborers	426	200	154	30	43	9.7	46.8	55.3	17.1	14.4
Service workers	774	387	274	47	66	8.8	50.0	57.4	14.6	8.5
INDUSTRY¹										
Agriculture	107	72	18	8	9	7.1	67.2	71.7	15.6	9.2
Construction	320	160	95	25	40	10.4	50.1	51.9	20.1	19.8
Manufacturing	1,405	551	418	191	245	13.5	39.2	48.8	31.0	18.2
Durable goods	847	306	243	125	174	14.7	36.1	43.3	35.2	20.3
Nondurable goods	558	245	175	66	72	11.7	44.0	56.9	24.6	15.1
Transportation and public utilities	146	65	44	10	27	11.4	44.7	55.1	25.3	8.7
Wholesale and retail trade	987	422	338	115	112	11.0	42.8	51.9	23.0	12.1
Finance and service industries	1,155	509	413	121	112	10.1	44.1	53.8	20.1	14.1
Public administration	135	62	46	7	19	11.8	46.3	50.5	19.4	12.5
No previous work experience	967	462	441	33	31	6.8	47.8	46.8	6.6	4.1

¹Includes wage and salary workers only.

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

Age and type of industry	Total		Male		Female	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
All industries	80,681	80,291	51,066	50,555	29,616	29,736
16 to 19 years	8,039	7,919	4,656	4,522	3,383	3,397
16 and 17 years	3,578	3,625	2,157	2,184	1,421	1,441
18 and 19 years	4,461	4,294	2,498	2,338	1,963	1,956
20 to 24 years	10,725	10,195	6,025	5,656	4,700	4,539
25 to 54 years	48,042	48,164	31,380	31,331	16,661	16,833
25 to 34 years	16,368	16,136	11,195	10,976	5,173	5,160
35 to 44 years	15,411	15,723	10,028	10,210	5,383	5,513
45 to 54 years	16,263	16,305	10,157	10,145	6,105	6,160
55 to 64 years	10,814	10,938	6,952	6,947	3,862	3,991
55 to 59 years	6,488	6,558	4,139	4,098	2,350	2,460
60 to 64 years	4,325	4,379	2,813	2,849	1,513	1,530
65 years and over	3,062	3,075	2,053	2,099	1,009	976
Nonagricultural industries	76,710	76,173	47,894	47,265	28,816	28,908
16 to 19 years	7,370	7,273	4,118	3,991	3,253	3,282
16 and 17 years	3,174	3,205	1,835	1,843	1,339	1,362
18 and 19 years	4,196	4,068	2,283	2,148	1,914	1,920
20 to 24 years	10,415	9,885	5,772	5,399	4,643	4,486
25 to 54 years	46,201	46,250	29,976	29,876	16,226	16,374
25 to 34 years	15,864	15,616	10,798	10,580	5,066	5,036
35 to 44 years	14,808	15,105	9,579	9,755	5,230	5,350
45 to 54 years	15,529	15,529	9,599	9,541	5,930	5,988
55 to 64 years	10,136	10,211	6,398	6,356	3,738	3,855
55 to 59 years	6,140	6,193	3,853	3,805	2,287	2,388
60 to 64 years	3,996	4,018	2,545	2,551	1,451	1,466
65 years and over	2,588	2,554	1,631	1,643	956	911
Agriculture	3,971	4,118	3,171	3,290	800	828
16 to 19 years	669	646	538	531	131	115
16 and 17 years	404	419	322	341	82	78
18 and 19 years	265	226	216	190	49	36
20 to 24 years	310	310	253	257	57	53
25 to 54 years	1,840	1,915	1,405	1,456	435	458
25 to 34 years	504	520	397	396	107	124
35 to 44 years	602	619	449	456	153	163
45 to 54 years	734	776	559	604	175	171
55 to 64 years	678	726	553	591	125	136
55 to 59 years	348	365	286	293	62	72
60 to 64 years	330	362	268	298	62	64
65 years and over	475	521	422	455	52	65

HOUSEHOLD DATA

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

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 16-19 years		Female, 16-19 years	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Total	80,681	80,291	46,410	46,033	26,232	26,339	4,656	4,522	3,383	3,397
White-collar workers	37,908	37,887	19,359	19,310	16,111	16,001	765	775	1,673	1,800
Professional and technical	10,490	10,706	6,414	6,653	3,809	3,773	115	133	152	147
Medical and other health	1,774	1,743	680	681	1,068	1,025	5	6	21	31
Teachers, except college	2,172	1,929	561	598	1,567	1,313	7	6	37	12
Other professional and technical	6,544	7,034	5,174	5,374	1,174	1,435	105	122	93	104
Managers, officials, and proprietors	8,782	8,424	7,260	7,084	1,469	1,283	43	37	10	19
Salaried workers	6,541	6,109	5,482	5,162	1,011	895	38	34	9	18
Self-employed workers in retail trade....	1,145	1,091	837	850	302	237	5	3	1	2
Self-employed workers, except retail trade	1,096	1,223	941	1,072	156	150	--	1	--	--
Clerical workers	13,546	13,867	2,980	3,062	9,046	9,150	344	347	1,176	1,308
Stenographers, typists, and secretaries..	3,709	3,569	49	50	3,330	3,151	6	5	324	363
Other clerical workers	9,838	10,297	2,931	3,012	5,716	5,999	338	342	852	945
Sales workers.....	5,089	4,890	2,705	2,510	1,787	1,795	262	258	335	327
Retail trade.....	3,035	3,006	994	932	1,504	1,562	220	217	318	295
Other sales workers	2,054	1,884	1,711	1,579	283	233	42	41	18	32
Blue-collar workers	28,379	28,813	21,250	21,457	4,185	4,435	2,595	2,575	349	345
Craftsmen and foremen	10,583	10,396	9,827	9,658	338	306	394	409	24	22
Carpenters	974	873	915	834	2	6	56	33	--	--
Construction craftsmen, except carpenters	2,289	2,081	2,161	1,959	9	14	111	97	8	11
Mechanics and repairmen	2,479	2,840	2,338	2,638	20	23	118	180	3	--
Metal craftsmen, except mechanics	1,160	1,232	1,118	1,202	18	8	23	20	--	2
Other craftsmen and kindred workers....	2,256	1,947	1,975	1,718	192	149	77	71	12	10
Foremen, not elsewhere classified	1,424	1,422	1,320	1,308	95	106	9	7	--	1
Operatives	13,043	14,061	8,287	8,843	3,614	4,012	878	922	263	284
Drivers and deliverymen	2,644	2,492	2,397	2,287	99	61	145	140	2	5
Other operatives	10,399	11,569	5,890	6,556	3,515	3,951	733	782	261	279
Durable goods manufacturing	4,466	4,713	3,085	3,158	1,125	1,287	200	200	55	68
Nondurable goods manufacturing	3,622	3,901	1,514	1,605	1,812	1,985	154	160	141	150
Other industries	2,311	2,956	1,290	1,793	579	679	378	423	65	61
Nonfarm laborers	4,753	4,356	3,136	2,956	233	117	1,323	1,243	62	39
Construction	1,036	991	741	718	1	5	290	266	3	2
Manufacturing	1,112	1,119	870	890	83	54	150	169	10	7
Other industries	2,605	2,245	1,525	1,349	149	58	883	809	49	30
Service workers	10,838	9,823	3,441	2,752	5,341	5,253	814	670	1,242	1,148
Private household workers	1,386	1,448	17	25	1,007	1,066	6	10	355	347
Service workers, except private household ..	9,452	8,375	3,424	2,727	4,334	4,187	808	660	887	801
Protective service workers	1,099	1,009	1,049	899	31	45	17	45	3	20
Waiters, cooks, and bartenders	2,312	2,302	458	400	1,294	1,361	140	159	420	382
Other service workers	6,042	5,063	1,917	1,428	3,009	2,781	651	456	464	398
Farm workers	3,556	3,769	2,360	2,513	595	649	482	502	119	104
Farmers and farm managers	1,793	1,866	1,681	1,765	90	85	14	14	8	2
Farm laborers and foremen	1,763	1,903	679	749	504	564	468	488	112	102
Paid workers	1,149	1,189	632	674	116	130	326	337	75	56
Unpaid family workers	614	706	47	75	388	434	142	150	37	47

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	
	July 1971	July 1970	July 1971	July 1970	July 1971	July 1970
Total						
Total employed (thousands)	80,681	80,291	51,066	50,555	29,616	29,736
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	47.0	47.2	39.4	39.7	60.0	59.9
Professional and technical	13.0	13.3	12.8	13.4	13.4	13.2
Managers, officials, and proprietors	10.9	10.5	14.3	14.1	5.0	4.4
Clerical workers	16.8	17.3	6.5	6.7	34.5	35.2
Sales workers	6.3	6.1	5.8	5.5	7.2	7.1
Blue-collar workers	35.2	35.9	46.7	47.5	15.3	16.1
Craftsmen and foremen	13.1	12.9	20.0	19.9	1.2	1.1
Operatives	16.2	17.5	17.9	19.3	13.1	14.4
Nonfarm laborers	5.9	5.4	8.7	8.3	1.0	.5
Service workers	13.4	12.2	8.3	6.8	22.2	21.5
Private household workers	1.7	1.8	(1)	(1)	4.6	4.8
Other service workers	11.7	10.4	8.3	6.7	17.6	16.8
Farm workers	4.4	4.7	5.6	6.0	2.4	2.5
Farmers and farm managers	2.2	2.3	3.3	3.5	.3	.3
Farm laborers and foremen	2.2	2.4	2.2	2.4	2.1	2.2
White						
Total employed (thousands)	74,002	71,593	46,135	45,567	25,867	26,026
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	49.2	49.6	41.3	41.8	63.3	63.3
Professional and technical	13.5	13.9	13.4	14.0	13.8	13.7
Managers, officials, and proprietors	11.7	11.4	15.2	15.1	5.4	4.8
Clerical workers	17.2	17.7	6.5	6.8	36.3	37.0
Sales workers	6.8	6.6	6.2	5.9	7.8	7.9
Blue-collar workers	34.7	35.1	45.6	46.2	15.1	15.6
Craftsmen and foremen	13.7	13.5	20.6	20.5	1.3	1.1
Operatives	15.6	16.8	17.2	18.5	12.8	14.0
Nonfarm laborers	5.3	4.8	7.8	7.3	1.0	.5
Service workers	11.7	10.7	7.5	6.1	19.3	18.7
Private household workers	1.1	1.1	(1)	(1)	3.0	3.0
Other service workers	10.6	9.5	7.5	6.0	16.3	15.7
Farm workers	4.4	4.6	5.6	5.9	2.4	2.4
Farmers and farm managers	2.4	2.4	3.6	3.7	.3	.3
Farm laborers and foremen	2.0	2.2	2.0	2.2	2.0	2.1
Negro and other races						
Total employed (thousands)	8,680	8,698	4,931	4,988	3,749	3,710
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	28.7	27.3	21.8	21.0	37.7	35.8
Professional and technical	8.6	8.8	7.3	8.1	10.3	9.8
Managers, officials, and proprietors	4.1	3.3	5.5	4.5	2.4	1.7
Clerical workers	13.6	13.3	7.0	6.7	22.4	22.3
Sales workers	2.3	1.8	2.0	1.7	2.6	2.0
Blue-collar workers	39.5	42.3	56.6	59.3	16.9	19.5
Craftsmen and foremen	8.4	8.7	14.2	14.5	.8	.8
Operatives	20.5	23.1	24.8	26.9	14.9	17.9
Nonfarm laborers	10.6	10.6	17.7	17.9	1.2	.8
Service workers	27.5	25.2	16.0	13.2	42.7	41.3
Private household workers	6.9	7.3	.2	.2	15.8	16.8
Other service workers	20.6	17.9	15.9	13.0	26.9	24.5
Farm workers	4.3	5.1	5.5	6.5	2.8	3.3
Farmers and farm managers7	1.3	1.1	2.1	.2	.3
Farm laborers and foremen	3.6	3.8	4.4	4.4	2.5	3.0

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.

(1) Less than 0.05.

HOUSEHOLD DATA

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

July 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					
Total	70,871	1,672	12,443¹	56,756¹	5,298	541	1,454	1,882
16 to 19 years	7,199	485	925	5,789	90	80	447	39
16 and 17 years	3,084	380	459	2,245	41	48	264	27
18 and 19 years	4,115	105	466	3,544	49	32	182	12
20 to 24 years	10,185	79	1,567	8,539	201	29	187	65
25 to 34 years	14,974	115	2,558	12,300	837	53	224	209
35 to 44 years	13,587	180	2,534	10,873	1,093	128	205	297
45 to 54 years	13,984	295	2,866	10,822	1,401	144	186	436
55 to 64 years	8,924	319	1,696	6,909	1,130	82	131	461
55 to 59 years	5,402	163	1,045	4,193	689	50	54	249
60 to 64 years	3,522	155	651	2,716	441	32	77	212
65 years and over	2,017	199	286	1,533	545	25	74	374
Male	43,775	258	7,048¹	36,469¹	4,041	79	1,200	1,778
16 to 19 years	4,011	127	477	3,407	55	51	361	32
16 and 17 years	1,781	94	273	1,414	25	29	206	23
18 and 19 years	2,230	33	205	1,993	30	22	155	9
20 to 24 years	5,616	18	717	4,881	145	11	166	63
25 to 34 years	10,157	5	1,466	8,686	635	6	190	201
35 to 44 years	8,704	14	1,502	7,189	870	4	163	283
45 to 54 years	8,524	21	1,703	6,801	1,074	--	138	420
55 to 64 years	5,560	36	978	4,546	838	1	113	434
55 to 59 years	3,325	15	594	2,716	528	--	48	234
60 to 64 years	2,234	21	384	1,830	311	--	64	200
65 years and over	1,202	38	197	968	423	6	69	344
Female	27,096	1,414	5,393	20,288	1,257	463	255	104
16 to 19 years	3,188	358	448	2,382	35	29	86	8
16 and 17 years	1,304	286	187	831	16	19	59	4
18 and 19 years	1,885	72	261	1,552	19	10	27	4
20 to 24 years	4,570	61	851	3,658	56	18	21	2
25 to 34 years	4,817	111	1,092	3,614	202	47	34	8
35 to 44 years	4,883	166	1,033	3,684	223	124	42	14
45 to 54 years	5,460	274	1,164	4,022	327	144	48	16
55 to 64 years	3,364	283	718	2,363	292	82	18	27
55 to 59 years	2,077	148	451	1,477	161	50	5	15
60 to 64 years	1,288	135	267	886	131	32	13	12
65 years and over	815	161	89	565	122	19	5	30

1/ Detail does not add up to totals because of an adjustment of 9,000 in government and other private wage and salary worker totals that could not be made in the age sex components.

HOUSEHOLD DATA

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					
	July 1971	July 1970	Total		Wage and salary workers ¹			
			July 1971	July 1970	Paid absence ²		Unpaid absence ²	
					July 1971	July 1970	July 1971	July 1970
Total	10,608	9,649	10,480	9,556	6,369	5,901	3,507	3,100
Vacation.....	8,193	7,601	8,139	7,558	5,850	5,407	1,949	1,837
Illness.....	1,151	1,131	1,120	1,112	354	346	662	664
Bad weather.....	18	20	11	10	--	--	--	--
Industrial dispute.....	381	142	381	142	--	--	--	--
All other reasons.....	865	755	828	734	165	148	896	599
Male	5,592	5,062	5,473	4,979	3,754	3,533	1,377	1,163
Vacation.....	4,213	3,929	4,165	3,892	3,416	3,210	555	527
Illness.....	701	666	672	650	239	226	368	372
All other reasons.....	678	467	636	437	98	96	454	265
Female	5,016	4,587	5,007	4,577	2,616	2,367	2,130	1,937
Vacation.....	3,979	3,672	3,975	3,667	2,434	2,197	1,394	1,310
Illness.....	450	465	448	462	116	119	294	292
All other reasons.....	587	450	584	448	65	52	442	335

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

July 1971

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagri- cultural industries	Agri- culture	All industries	Nonagri- cultural industries	Agri- culture
Total at work	70,073	66,230	3,843	100.0	100.0	100.0
1-34 hours	14,997	13,898	1,099	21.4	21.0	28.6
1-4 hours	592	528	63	.8	.8	1.6
5-14 hours	2,770	2,541	230	4.0	3.8	6.0
15-29 hours	7,588	7,025	563	10.8	10.6	14.7
30-34 hours	4,047	3,804	243	5.8	5.7	6.3
35 hours and over.....	55,077	52,333	2,744	78.6	79.0	71.4
35-39 hours	4,945	4,757	188	7.1	7.2	4.9
40 hours	30,194	29,771	422	43.1	45.0	11.0
41 hours and over.....	19,938	17,805	2,134	28.5	26.9	55.5
41 to 48 hours	7,670	7,396	274	10.9	11.2	7.1
49 to 59 hours	6,017	5,619	399	8.6	8.5	10.4
60 hours and over.....	6,251	4,790	1,461	8.9	7.2	38.0
Average hours, total at work.....	40.1	39.5	49.3	--	--	--
Average hours, workers on full-time schedules.....	43.9	43.1	59.1	--	--	--

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

July 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.....	14,997	5,086	9,911	13,898	4,784	9,114
Economic reasons	3,376	1,239	2,137	3,033	1,094	1,939
Slack work.....	1,351	903	448	1,166	777	389
Material shortages or repairs to plant and equipment.....	69	69	--	66	66	--
New job started during week.....	171	171	--	164	164	--
Job terminated during week.....	96	96	--	88	88	--
Could find only part-time work.....	1,688	--	1,688	1,549	--	1,549
Other reasons	11,622	3,848	7,774	10,865	3,690	7,175
Does not want, or unavailable for, full-time work	5,395	--	5,395	5,025	--	5,025
Vacation.....	940	940	--	915	915	--
Illness.....	1,388	1,165	223	1,288	1,125	163
Bad weather	208	208	--	157	157	--
Industrial dispute.....	351	351	--	351	351	--
Legal or religious holiday.....	31	31	--	30	30	--
Full time for this job.....	1,613	--	1,613	1,551	--	1,551
All other reasons	1,696	1,153	543	1,550	1,114	436
Average hours:						
Economic reasons.....	20.2	23.6	18.2	20.3	23.8	18.3
Other reasons	21.2	25.3	19.2	21.3	25.3	19.3
Worked 30 to 34 hours:						
Economic reasons.....	811	480	331	730	431	299
Other reasons	3,236	1,747	1,489	3,074	1,678	1,396

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

July 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	4.6	10.8	84.6	57.7	11.2	15.7	39.5	43.1		
Wage and salary workers ..	100.0	4.6	10.4	85.0	60.3	11.3	13.4	39.0	42.4		
Construction ...	100.0	7.4	3.3	89.2	65.1	11.6	12.5	39.5	41.7		
Manufacturing	100.0	3.2	2.1	94.7	68.7	13.1	12.9	40.9	42.0		
Durable goods	100.0	2.3	1.5	96.2	71.0	12.4	12.8	41.1	41.8		
Nondurable goods	100.0	4.4	3.0	92.6	65.4	14.1	13.0	40.7	42.2		
Transportation and public utilities	100.0	1.9	4.0	94.2	64.3	12.0	17.9	41.1	42.4		
Wholesale and retail trade	100.0	6.6	17.2	76.2	45.4	14.0	16.9	38.4	43.9		
Finance, insurance, and real estate	100.0	1.8	7.5	90.7	69.9	8.5	12.3	39.4	41.3		
Service industries	100.0	6.1	20.0	73.9	55.1	8.1	10.6	36.1	42.2		
Private households	100.0	20.0	44.3	35.7	21.5	5.4	8.9	25.6	46.0		
All other service	100.0	4.5	17.2	78.3	59.1	8.4	10.8	37.3	42.0		
Public administration	100.0	1.3	4.5	94.2	75.2	7.8	11.1	40.7	42.0		
Self-employed workers	100.0	4.4	14.0	81.6	28.7	9.4	43.5	45.4	51.9		
Unpaid family workers	100.0	2.2	34.2	63.6	27.2	8.9	27.5	39.7	49.8		

1/Mining not shown separately but included in totals.

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

July 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.....	66,230	3,033	7,175	56,022	38,217	17,805	39.5	43.1					
16 to 21 years	10,729	1,402	2,184	7,143	5,361	1,782	33.9	41.2					
16 to 19 years	7,031	1,136	1,766	4,129	3,074	1,055	32.1	41.3					
16 and 17 years.....	3,049	693	1,125	1,231	881	350	27.8	41.7					
18 and 19 years.....	3,983	443	641	2,899	2,194	705	35.4	41.1					
20 years and over.....	59,199	1,897	5,409	51,893	35,145	16,748	40.4	43.3					
20 to 24 years	9,387	468	907	8,012	5,891	2,121	38.5	41.6					
25 years and over	49,812	1,429	4,502	43,881	29,254	14,627	40.8	43.6					
25 to 44 years.....	26,090	764	1,867	23,459	15,473	7,986	41.2	43.6					
45 to 64 years	21,526	572	1,752	19,202	12,985	6,217	40.9	43.4					
65 years and over	2,197	95	884	1,218	797	421	31.9	44.4					
 Males, 16 years and over	 42,421	 1,613	 2,200	 38,608	 23,844	 14,764	 42.2	 44.4					
16 to 21 years	5,855	741	969	4,145	2,821	1,324	35.7	42.4					
16 to 19 years	3,945	603	811	2,531	1,761	770	33.9	42.0					
16 and 17 years.....	1,759	396	546	817	574	243	29.7	42.0					
18 and 19 years.....	2,186	207	266	1,713	1,186	527	37.2	41.9					
20 years and over.....	38,476	1,010	1,389	36,077	22,083	13,994	43.0	44.5					
20 to 24 years	5,316	256	338	4,722	3,013	1,709	40.7	43.2					
25 years and over	33,160	754	1,051	31,355	19,070	12,285	43.4	44.7					
25 to 44 years	17,921	421	271	17,229	10,279	6,950	44.0	44.9					
45 to 64 years	13,814	282	293	13,239	8,224	5,015	43.5	44.5					
65 years and over	1,426	51	486	889	568	321	34.0	44.7					
 Females, 16 years and over.....	 23,809	 1,421	 4,974	 17,414	 14,373	 3,041	 34.7	 40.4					
16 to 21 years	4,874	661	1,215	2,998	2,540	458	31.8	39.7					
16 to 19 years	3,086	533	954	1,599	1,313	286	29.9	40.2					
16 and 17 years.....	1,289	297	579	413	305	108	25.3	41.2					
18 and 19 years.....	1,797	236	375	1,186	1,007	179	33.1	39.8					
20 years and over.....	20,723	887	4,020	15,816	13,062	2,754	35.4	40.4					
20 to 24 years	4,071	212	569	3,290	2,878	412	35.6	39.1					
25 years and over	16,652	675	3,451	12,526	10,184	2,342	35.4	40.7					
25 to 44 years	8,168	344	1,596	6,228	5,191	1,037	35.3	40.1					
45 to 64 years	7,711	290	1,459	5,962	4,756	1,206	36.3	41.1					
65 years and over	771	43	398	330	230	100	27.9	43.8					
COLOR													
White.....	59,008	2,488	6,417	50,103	33,469	16,634	39.8	43.4					
Male.....	38,291	1,323	1,983	34,985	21,113	13,872	42.5	44.6					
Female.....	20,718	1,165	4,433	15,120	12,358	2,762	34.8	40.5					
 Negro and other races	 7,222	 545	 758	 5,919	 4,749	 1,170	 37.0	 40.9					
Male.....	4,130	289	217	3,624	2,733	891	39.2	41.8					
Female.....	3,091	255	541	2,295	2,016	279	34.1	39.3					
MARITAL STATUS													
Male:													
Married, wife present	31,673	658	897	30,118	18,002	12,116	43.6	44.8					
Widowed, divorced, or separated	2,195	102	137	1,956	1,277	679	41.0	43.6					
Single (never married)	8,553	853	1,166	6,534	4,566	1,968	37.3	42.7					
 Female:													
Married, husband present.....	12,879	491	2,907	9,481	7,861	1,620	34.8	40.2					
Widowed, divorced, or separated	4,534	246	737	3,551	2,811	740	36.4	41.2					
Single (never married)	6,396	685	1,331	4,380	3,699	681	33.5	40.0					

HOUSEHOLD DATA

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**A-25: Persons at work in nonagricultural industries by full- or part-time status,
sex, age, color, and marital status--Continued**
July 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	4.6	10.8	84.6	57.7	26.9
16 to 21 years	100.0	13.1	20.4	66.6	50.0	16.6
16 to 19 years	100.0	16.2	25.1	58.7	43.7	15.0
16 and 17 years.....	100.0	22.7	36.9	40.4	28.9	11.5
18 and 19 years.....	100.0	11.1	16.1	72.8	55.1	17.7
20 years and over.....	100.0	3.2	9.1	87.7	59.4	28.3
20 to 24 years	100.0	5.0	9.7	85.4	62.8	22.6
25 years and over	100.0	2.9	9.0	88.1	58.7	29.4
25 to 44 years	100.0	2.9	7.2	89.9	59.3	30.6
45 to 64 years	100.0	2.7	8.1	89.2	60.3	28.9
65 years and over	100.0	4.3	40.2	55.4	36.3	19.2
 Males, 16 years and over	 100.0	 3.8	 5.2	 91.0	 56.2	 34.8
16 to 21 years	100.0	12.7	16.5	70.8	48.2	22.6
16 and 19 years.....	100.0	15.3	20.6	64.2	44.6	19.5
16 and 17 years.....	100.0	22.5	31.0	46.4	32.6	13.8
18 and 19 years.....	100.0	9.5	12.2	78.4	54.3	24.1
20 years and over.....	100.0	2.6	3.6	93.8	57.4	36.4
20 to 24 years	100.0	4.8	6.4	88.8	56.7	32.1
25 years and over	100.0	2.3	3.2	94.6	57.5	37.0
25 to 44 years	100.0	2.3	1.5	96.1	57.4	38.8
45 to 64 years	100.0	2.0	2.1	95.8	59.5	36.3
65 years and over	100.0	3.6	34.1	62.3	39.8	22.5
 Females, 16 years and over	 100.0	 6.0	 20.9	 73.1	 60.4	 12.8
16 to 21 years	100.0	13.6	24.9	61.5	52.1	9.4
16 to 19 years	100.0	17.3	30.9	51.8	42.5	9.3
16 and 17 years.....	100.0	23.0	44.9	32.0	23.7	8.4
18 and 19 years.....	100.0	13.1	20.9	66.0	56.0	10.0
20 years and over.....	100.0	4.3	19.4	76.3	63.0	13.3
20 to 24 years	100.0	5.2	14.0	80.8	70.7	10.1
25 years and over	100.0	4.1	20.7	75.2	61.2	14.1
25 to 44 years	100.0	4.2	19.5	76.2	63.6	12.7
45 to 64 years	100.0	3.8	18.9	77.3	61.7	15.6
65 years and over	100.0	5.6	51.6	42.8	29.8	13.0
COLOR						
White	100.0	4.2	10.9	84.9	56.7	28.2
Male.....	100.0	3.5	5.2	91.4	55.1	36.2
Female	100.0	5.6	21.4	73.0	59.6	13.3
 Negro and other races	 100.0	 7.5	 10.5	 82.0	 65.8	 16.2
Male.....	100.0	7.0	5.3	87.7	66.2	21.6
Female	100.0	8.2	17.5	74.2	65.2	9.0
MARITAL STATUS						
Male:						
Married, wife present	100.0	2.1	2.8	95.1	56.8	38.3
Widowed, divorced, or separated	100.0	4.6	6.2	89.1	58.2	30.9
Single (never married)	100.0	10.0	13.6	76.4	53.4	23.0
 Female:						
Married, husband present.....	100.0	3.8	22.6	73.6	61.0	12.6
Widowed, divorced, or separated	100.0	5.4	16.3	78.3	62.0	16.3
Single (never married)	100.0	10.7	20.8	68.5	57.8	10.6

HOUSEHOLD DATA

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

July 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.....	32,534	759	3,776	27,999	18,805	3,159	6,034	40.2	43.6					
Professional and technical	7,990	137	884	6,969	4,834	674	1,461	40.1	43.3					
Managers, officials, and proprietors.....	7,941	63	330	7,548	3,283	1,138	3,127	47.5	49.0					
Clerical workers	11,981	340	1,635	10,006	8,560	857	589	36.6	39.8					
Sales workers.....	4,623	219	927	3,477	2,130	489	857	37.5	43.6					
Blue-collar workers.....	24,444	1,483	1,166	21,795	14,972	3,362	3,461	40.1	42.5					
Craftsmen and foremen.....	9,264	343	234	8,687	5,818	1,387	1,483	41.2	42.5					
Operatives	10,851	612	447	9,792	6,710	1,499	1,583	40.7	42.8					
Nonfarm laborers.....	4,329	529	485	3,315	2,444	476	396	36.3	41.7					
Service workers	9,636	829	2,299	6,508	4,575	909	1,025	35.3	43.1					
Private household.....	1,267	227	570	470	289	72	110	26.1	45.1					
Other service workers.....	8,369	602	1,728	6,039	4,287	837	915	36.7	42.9					
MALE														
White-collar workers.....	17,920	273	925	16,722	9,273	2,226	5,224	44.2	46.0					
Professional and technical	5,566	80	298	5,188	3,321	529	1,338	42.7	44.5					
Managers, officials, and proprietors	6,635	49	177	6,409	2,630	983	2,796	48.4	49.4					
Clerical workers	2,978	73	204	2,701	2,031	341	329	39.7	41.7					
Sales workers	2,742	71	246	2,425	1,289	373	763	42.1	45.1					
Blue-collar workers	20,924	1,153	843	18,928	12,589	3,039	3,300	40.8	42.9					
Craftsmen and foremen.....	8,963	327	191	8,445	5,633	1,358	1,454	41.4	42.6					
Operatives	7,880	319	224	7,337	4,639	1,231	1,468	42.3	43.8					
Nonfarm laborers.....	4,082	507	427	3,148	2,321	449	378	36.5	41.8					
Service workers	3,880	225	466	3,189	2,090	465	634	40.1	44.4					
Private household.....	23	--	11	12	8	2	2	34.4	46.6					
Other service workers	3,857	226	456	3,175	2,081	463	631	40.1	44.4					
FEMALE														
White-collar workers.....	14,614	487	2,851	11,276	9,534	933	809	35.4	40.1					
Professional and technical	2,424	57	586	1,781	1,513	145	123	34.1	40.0					
Managers, officials, and proprietors	1,307	14	154	1,139	652	156	331	43.3	46.8					
Clerical workers	9,003	268	1,431	7,304	6,527	516	261	35.5	39.0					
Sales workers	1,881	148	681	1,052	841	116	95	30.6	40.2					
Blue-collar workers.....	3,520	330	323	2,867	2,383	322	161	36.4	39.9					
Craftsmen and foremen.....	301	16	42	243	186	29	28	36.9	40.6					
Operatives	2,971	293	223	2,455	2,072	267	116	36.5	39.8					
Nonfarm laborers.....	248	21	58	169	125	26	18	33.6	40.9					
Service workers	5,756	603	1,832	3,321	2,486	444	391	32.0	41.8					
Private household.....	1,244	228	559	457	281	70	107	25.9	45.0					
Other service workers	4,512	376	1,273	2,863	2,204	375	284	33.7	41.3					

HOUSEHOLD DATA

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A-26: Persons at work in nonfarm occupations by full- or part-time status and sex--Continued
July 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	2.3	11.6	86.1	57.8	9.7	18.5
Professional and technical	100.0	1.7	11.1	87.2	60.5	8.4	18.3
Managers, officials, and proprietors	100.0	.8	4.2	95.1	41.3	14.3	39.4
Clerical workers	100.0	2.8	13.6	83.5	71.4	7.2	4.9
Sales workers	100.0	4.7	20.1	75.2	46.1	10.6	18.5
Blue-collar workers.....	100.0	6.1	4.8	89.2	61.3	13.8	14.2
Craftsmen and foremen.....	100.0	3.7	2.5	93.8	62.8	15.0	16.0
Operatives	100.0	5.6	4.1	90.2	61.8	13.8	14.6
Nonfarm laborers	100.0	12.2	11.2	76.6	56.5	11.0	9.1
Service workers.....	100.0	8.6	23.9	67.5	47.5	9.4	10.6
Private household.....	100.0	17.9	45.0	37.1	22.8	5.7	8.7
Other service workers.....	100.0	7.2	20.6	72.2	51.2	10.0	10.9
MALE							
White-collar workers.....	100.0	1.5	5.2	93.3	51.7	12.4	29.2
Professional and technical	100.0	1.4	5.4	93.2	59.7	9.5	24.0
Managers, officials, and proprietors	100.0	.7	2.7	96.6	39.6	14.8	42.1
Clerical workers	100.0	2.5	6.9	90.7	68.2	11.5	11.0
Sales workers	100.0	2.6	9.0	88.4	47.0	13.6	27.8
Blue-collar workers.....	100.0	5.5	4.0	90.5	60.2	14.5	15.8
Craftsmen and foremen.....	100.0	3.6	2.1	94.2	62.8	15.2	16.2
Operatives	100.0	4.0	2.8	93.1	58.9	15.6	18.6
Nonfarm laborers	100.0	12.4	10.5	77.1	56.9	11.0	9.3
Service workers.....	100.0	5.8	12.0	82.2	53.9	12.0	16.3
Private household	100.0	--	47.8	52.2	34.8	8.7	8.7
Other service workers.....	100.0	5.9	11.8	82.3	54.0	12.0	16.4
FEMALE							
White-collar workers.....	100.0	3.3	19.5	77.2	65.2	6.4	5.5
Professional and technical	100.0	2.4	24.2	73.5	62.4	6.0	5.1
Managers, officials, and proprietors	100.0	1.1	11.8	87.1	49.9	11.9	25.3
Clerical workers	100.0	3.0	15.9	81.1	72.5	5.7	2.9
Sales workers	100.0	7.9	36.2	55.9	44.7	6.2	5.1
Blue-collar workers.....	100.0	9.4	9.2	81.4	67.7	9.1	4.6
Craftsmen and foremen.....	100.0	5.3	14.0	80.7	61.8	9.6	9.3
Operatives	100.0	9.9	7.5	82.6	69.7	9.0	3.9
Nonfarm laborers	100.0	8.5	23.4	68.1	50.4	10.5	7.3
Service workers.....	100.0	10.5	31.8	57.7	43.2	7.7	6.8
Private household	100.0	18.3	44.9	36.7	22.6	5.6	8.6
Other service workers.....	100.0	8.3	28.2	63.5	48.8	8.3	6.3

HOUSEHOLD DATA

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

July 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....	8,125	4,116	4,009	6,969	3,542	3,427	1,156	574	582
Civilian labor force.....	2,493	1,564	930	2,159	1,347	812	335	217	118
Employed	2,135	1,227	798	1,915	1,198	717	220	139	81
Agriculture.....	480	379	101	415	336	79	65	43	21
Nonagricultural industries.....	1,655	958	697	1,500	862	638	155	96	59
Unemployed	359	227	132	244	149	95	115	78	37
Not in labor force	5,631	2,553	3,079	4,810	2,195	2,615	821	357	464
Keeping house.....	394	28	366	320	20	300	74	8	66
Going to school.....	599	303	296	461	245	215	139	58	81
Unable to work.....	10	7	4	5	2	3	5	5	-
All other reasons.....	4,628	2,215	2,413	4,025	1,928	2,096	603	287	317

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

July 1971

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	2,135	1,337	798	100.0	100.0	100.0
Nonagricultural industries.....	1,655	958	697	77.6	71.6	87.3
Wage and salary workers.....	1,500	836	663	70.3	62.6	83.1
Private household workers.....	617	215	402	28.9	16.1	50.4
Government workers.....	162	96	66	7.6	7.2	8.3
Other wage and salary workers.....	721	525	196	33.8	39.3	24.6
Self-employed workers.....	111	84	27	5.2	6.3	3.4
Unpaid family workers.....	44	37	6	2.1	2.8	.8
Agriculture.....	480	379	101	22.4	28.4	12.7
Wage and salary workers.....	310	240	71	14.5	18.0	8.9
Self-employed workers.....	36	35	1	1.7	2.6	.1
Unpaid family workers.....	133	104	29	6.2	7.8	3.6
OCCUPATION						
Total.....	2,135	1,337	798	100.0	100.0	100.0
White-collar workers.....	346	243	103	16.2	18.2	12.9
Professional and technical.....	22	7	14	1.0	.5	1.8
Managers, officials, and proprietors.....	3	3	1	.1	.2	.1
Clerical workers.....	76	27	49	3.6	2.0	6.1
Sales workers.....	245	206	39	11.5	15.4	4.9
Blue-collar workers.....	581	542	39	27.2	40.5	4.9
Craftsmen and foremen.....	36	35	1	1.7	.2.6	.1
Operatives.....	75	69	5	3.5	5.2	.6
Nonfarm laborers.....	470	437	33	22.0	32.7	4.1
Service workers.....	770	214	556	36.1	16.0	69.8
Private household workers.....	411	23	388	19.3	1.7	48.7
Other service workers.....	359	191	168	16.8	14.3	21.1
Farm workers.....	437	338	99	20.5	25.3	12.4
Farmers and farm managers.....	3	1	1	.1	.1	.1
Farm laborers and foremen.....	435	337	98	20.4	25.2	12.3

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Employment status, sex, and age	1971							1970					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Total													
Total labor force	86,626	85,948	87,028	86,665	86,405	86,334	86,873	86,622	86,512	86,379	86,084	85,904	85,865
Civilian labor force	83,829	83,132	84,178	83,783	83,475	83,384	83,897	83,609	83,473	83,300	82,975	82,770	82,711
Employed	78,941	78,443	78,961	78,475	78,475	78,537	78,864	78,463	78,550	78,691	78,479	78,508	78,574
Agriculture	3,367	3,294	3,458	3,558	3,396	3,329	3,413	3,408	3,353	3,293	3,436	3,435	3,508
Nonagricultural industries	75,574	75,149	75,503	75,140	75,079	75,208	75,451	75,055	75,197	75,398	75,043	75,073	75,066
On part time for economic reasons	2,450	2,176	2,504	2,494	2,455	2,458	2,484	2,533	2,413	2,409	2,075	2,259	2,306
Usually work full time	1,134	990	1,219	1,309	1,242	1,227	1,377	1,382	1,249	1,347	1,005	1,292	1,248
Usually work part time	1,316	1,186	1,285	1,185	1,214	1,231	1,107	1,151	1,164	1,062	1,070	967	1,058
Unemployed	4,888	4,689	5,217	5,085	5,000	4,847	5,033	5,146	4,923	4,609	4,496	4,262	4,137
Men, 20 years and over													
Total labor force	50,376	50,225	50,392	50,230	49,994	49,811	50,074	50,158	50,184	50,134	50,098	49,970	49,975
Civilian labor force	47,956	47,789	47,893	47,703	47,425	47,239	47,480	47,531	47,548	47,463	47,401	47,243	47,245
Employed	45,888	45,765	45,737	45,625	45,411	45,237	45,425	45,365	45,531	45,530	45,472	45,507	45,507
Agriculture	2,458	2,426	2,460	2,476	2,439	2,347	2,435	2,458	2,472	2,444	2,518	2,528	2,576
Nonagricultural industries	43,430	43,339	43,277	43,149	42,972	42,890	42,990	42,907	43,059	43,087	43,012	42,944	42,931
Unemployed	2,068	2,024	2,156	2,078	2,014	2,002	2,055	2,166	2,017	1,932	1,871	1,771	1,738
Women, 20 years and over													
Civilian labor force	28,525	28,386	28,586	28,489	28,594	28,645	28,855	28,644	28,580	28,520	28,249	28,413	28,394
Employed	26,897	26,818	26,857	26,791	26,938	27,051	27,211	26,988	26,967	27,084	26,829	27,044	26,996
Agriculture	516	510	539	583	539	551	544	538	519	507	533	521	550
Nonagricultural industries	26,381	26,308	26,318	26,208	26,399	26,500	26,667	26,450	26,448	26,577	26,296	26,523	26,446
Unemployed	1,628	1,568	1,729	1,698	1,656	1,594	1,644	1,656	1,613	1,436	1,420	1,369	1,398
Both sexes, 16-19 years													
Civilian labor force	7,348	6,957	7,699	7,591	7,456	7,500	7,562	7,434	7,345	7,317	7,325	7,114	7,072
Employed	6,156	5,860	6,367	6,282	6,126	6,249	6,228	6,110	6,052	6,076	6,120	5,992	6,071
Agriculture	393	358	459	499	418	431	434	412	362	342	385	386	382
Nonagricultural industries	5,763	5,502	5,908	5,783	5,708	5,818	5,794	5,698	5,690	5,734	5,735	5,606	5,689
Unemployed	1,192	1,097	1,332	1,309	1,330	1,251	1,334	1,324	1,293	1,241	1,205	1,122	1,001

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					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Full time													
Total, 16 years and over:													
Civilian labor force	72,006	71,308	72,338	71,810	71,351	71,627	71,710	71,937	71,815	71,560	71,422	71,084	71,157
Employed	68,161	67,563	68,156	67,896	67,410	67,765	67,766	67,805	67,789	67,914	67,881	67,754	67,903
Unemployed	3,845	3,745	4,182	3,914	3,941	3,862	3,944	4,132	4,026	3,646	3,541	3,330	3,254
Unemployment rate	5.3	5.3	5.8	5.5	5.5	5.4	5.5	5.7	5.6	5.1	5.0	4.7	4.6
Men, 20 years and over:													
Civilian labor force	45,738	45,479	45,619	45,326	45,055	45,048	45,138	45,300	45,268	45,172	45,118	44,958	45,050
Employed	43,819	43,598	43,652	43,434	43,217	43,202	43,272	43,318	43,402	43,361	43,403	43,339	43,445
Unemployed	1,919	1,881	1,967	1,892	1,838	1,846	1,866	1,982	1,866	1,811	1,715	1,619	1,605
Unemployment rate	4.2	4.1	4.3	4.2	4.1	4.1	4.1	4.4	4.1	4.0	3.8	3.6	3.6
Women, 20 years and over:													
Civilian labor force	22,315	22,278	22,493	22,448	22,349	22,599	22,575	22,512	22,514	22,481	22,286	22,328	22,303
Employed	21,049	21,023	21,039	21,130	21,013	21,331	21,269	21,191	21,178	21,324	21,144	21,245	21,211
Unemployed	1,266	1,255	1,454	1,318	1,336	1,268	1,306	1,321	1,336	1,157	1,142	1,083	1,092
Unemployment rate	5.7	5.6	6.5	5.9	6.0	5.6	5.8	5.9	5.9	5.1	5.1	4.9	4.9
Part time													
Total, 16 years and over:													
Civilian labor force	11,960	12,012	11,731	11,853	12,092	11,747	12,291	11,640	11,736	11,665	11,682	11,793	11,696
Employed	10,924	11,095	10,650	10,739	11,038	10,727	11,156	10,637	10,746	10,701	10,702	10,866	10,816
Unemployed	1,036	917	1,081	1,114	1,054	1,020	1,135	1,003	990	964	980	927	880
Unemployment rate	8.7	7.6	9.2	9.4	8.7	8.7	9.2	8.6	8.4	8.3	8.4	7.9	7.5

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						
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
White														
Total:														
Civilian labor force	74,403	73,882	74,761	74,498	74,217	74,169	74,803	74,340	74,333	74,211	73,747	73,409	73,473	
Employed	70,439	70,035	70,511	70,349	70,083	70,204	70,626	70,186	70,215	70,386	70,067	69,910	70,068	
Unemployed	3,964	3,847	4,250	4,149	4,134	3,965	4,177	4,154	4,118	3,825	3,680	3,499	3,405	
Unemployment rate	5.3	5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5	5.2	5.0	4.8	4.6	
Males, 20 years and over:														
Civilian labor force	43,174	43,042	43,154	42,942	42,705	42,576	42,732	42,666	42,807	42,782	42,616	42,463	42,473	
Employed	41,450	41,306	41,312	41,185	40,973	40,881	41,011	40,983	41,086	41,117	41,061	40,963	41,015	
Unemployed	1,724	1,736	1,842	1,757	1,732	1,695	1,721	1,683	1,721	1,665	1,555	1,500	1,458	
Unemployment rate	4.0	4.0	4.3	4.1	4.1	4.0	4.0	3.9	4.0	3.9	3.6	3.5	3.4	
Females, 20 years and over:														
Civilian labor force	24,732	24,620	24,733	24,800	24,873	24,869	25,246	25,020	24,922	24,871	24,567	24,650	24,731	
Employed	23,420	23,346	23,425	23,437	23,535	23,605	23,899	23,618	23,589	23,705	23,416	23,535	23,560	
Unemployed	1,312	1,274	1,308	1,363	1,338	1,264	1,347	1,402	1,333	1,166	1,151	1,115	1,171	
Unemployment rate	5.3	5.2	5.3	5.5	5.4	5.1	5.3	5.6	5.3	4.7	4.7	4.5	4.7	
Both sexes, 16 to 19 years:														
Civilian labor force	6,497	6,220	6,874	6,756	6,639	6,724	6,825	6,654	6,604	6,558	6,564	6,296	6,269	
Employed	5,569	5,383	5,774	5,727	5,575	5,718	5,716	5,585	5,540	5,564	5,590	5,412	5,493	
Unemployed	928	837	1,100	1,029	1,064	1,006	1,109	1,069	1,064	994	974	884	776	
Unemployment rate	14.3	13.5	16.0	15.2	16.0	15.0	16.2	16.1	16.1	15.2	14.8	14.0	12.4	
Negro and other races														
Total:														
Civilian labor force	9,394	9,150	9,381	9,257	9,335	9,268	9,243	9,223	9,181	9,132	9,185	9,245	9,233	
Employed	8,448	8,294	8,400	8,332	8,456	8,382	8,367	8,347	8,358	8,283	8,378	8,469	8,470	
Unemployed	946	856	981	925	879	886	876	876	823	849	807	776	763	
Unemployment rate	10.1	9.4	10.5	10.0	9.4	9.6	9.5	9.5	9.0	9.3	8.8	8.4	8.3	
Males, 20 years and over:														
Civilian labor force	4,780	4,749	4,741	4,751	4,746	4,705	4,786	4,784	4,742	4,732	4,766	4,770	4,778	
Employed	4,428	4,422	4,418	4,429	4,454	4,388	4,436	4,425	4,458	4,412	4,460	4,494	4,490	
Unemployed	352	327	323	322	292	317	350	359	284	320	306	276	288	
Unemployment rate	7.4	6.9	6.8	6.8	6.2	6.7	7.3	7.5	6.0	6.8	6.4	5.8	6.0	
Females, 20 years and over:														
Civilian labor force	3,773	3,703	3,819	3,706	3,754	3,800	3,708	3,654	3,655	3,606	3,647	3,680	3,661	
Employed	3,445	3,410	3,415	3,360	3,437	3,470	3,419	3,388	3,372	3,346	3,383	3,416	3,416	
Unemployed	328	293	404	346	317	330	289	266	283	260	264	264	245	
Unemployment rate	8.7	7.9	10.6	9.3	8.4	8.7	7.8	7.3	7.7	7.2	7.2	7.2	6.7	
Both sexes, 16 to 19 years:														
Civilian labor force	841	698	821	800	835	763	749	785	784	794	772	795	794	
Employed	575	462	567	543	565	524	512	534	528	525	535	559	564	
Unemployed	266	236	254	257	270	239	237	251	256	269	237	236	230	
Unemployment rate	31.6	33.8	30.9	32.1	32.3	31.3	31.6	32.0	32.7	33.9	30.7	29.7	29.0	

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

(In thousands)

Duration of unemployment	1971							1970						
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
Less than 5 weeks	2,112	2,040	2,267	2,276	2,116	2,154	2,322	2,456	2,333	2,373	2,271	2,217	2,080	
5 to 14 weeks	1,532	1,574	1,519	1,560	1,649	1,595	1,624	1,612	1,758	1,490	1,470	1,340	1,322	
15 weeks and over	1,311	1,173	1,202	1,071	1,107	1,069	1,079	1,084	880	754	788	727	694	
15 to 26 weeks	747	609	622	641	651	614	666	750	555	496	507	475	458	
27 weeks and over	564	564	580	430	456	455	413	334	325	258	281	252	236	
Average (mean) duration	11.6	12.7	11.5	10.9	10.8	10.4	10.4	9.7	9.3	8.5	9.0	8.8	9.0	

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-33: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1971							1970					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
	5.8	5.6	6.2	6.1	6.0	5.8	6.0	6.2	5.9	5.5	5.4	5.1	5.0
Total (all civilian workers).....	4.3	4.2	4.5	4.4	4.2	4.2	4.3	4.6	4.2	4.1	3.9	3.7	3.7
Men, 20 years and over.....	5.7	5.5	6.0	6.0	5.8	5.6	5.7	5.8	5.6	5.0	4.8	4.8	4.9
Women, 20 years and over.....	16.2	15.8	17.3	17.2	17.8	16.7	17.6	17.8	17.6	17.0	16.5	15.8	14.2
Both sexes, 16-19 years.....	5.3	5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5	5.2	5.0	4.8	4.6
White.....	10.1	9.4	10.5	10.0	9.4	9.6	9.5	9.5	9.0	9.3	8.8	8.4	8.3
Negro and other races.....	3.1	3.1	3.3	3.1	3.2	3.2	3.3	3.4	3.2	3.0	2.9	2.8	2.7
Married men.....	5.3	5.3	5.8	5.5	5.5	5.4	5.5	5.7	5.6	5.1	5.0	4.7	4.6
Full-time workers.....	8.7	7.6	9.2	9.4	8.7	8.7	9.2	8.6	8.4	8.3	8.4	7.9	7.5
Part-time workers.....	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.1	.9	.9	.9	.8
Unemployed 15 weeks and over ¹	3.9	4.4	4.2	3.9	3.9	3.7	3.7	4.2	4.6	4.5	4.2	3.7	3.5
State insured ²	6.3	5.6	6.8	6.4	6.5	6.3	6.4	6.4	6.4	6.1	5.9	5.5	5.4
Labor force time lost ³	3.6	3.1	3.7	3.8	3.7	3.5	3.5	3.8	3.6	3.0	2.9	2.8	3.0
Occupation													
White-collar workers.....	2.8	2.1	3.2	3.3	3.4	3.3	3.0	2.9	2.6	1.9	2.0	1.9	2.1
Professional and technical.....	1.8	1.7	1.5	1.6	1.7	1.5	1.5	1.7	1.7	1.4	1.5	1.3	1.6
Managers, officials, and proprietors.....	5.0	4.6	4.8	5.2	4.9	4.7	4.9	5.3	5.0	4.3	4.0	3.9	4.3
Clerical workers.....	4.7	3.9	5.5	4.5	4.4	3.9	4.1	5.1	4.9	4.0	3.9	4.0	3.9
Sales workers.....	7.1	7.0	7.5	7.4	7.4	7.4	7.6	7.8	7.4	7.3	7.3	6.9	6.5
Blue-collar workers.....	5.3	3.9	4.1	4.5	4.9	4.3	5.1	5.0	4.5	4.0	5.3	4.4	4.3
Craftsmen and foremen.....	8.0	8.1	8.8	8.6	8.4	8.4	8.6	9.0	8.8	8.5	7.6	7.8	7.2
Operatives.....	9.1	11.2	11.5	10.2	10.0	11.3	10.6	11.0	10.1	11.2	11.2	10.1	9.7
Nonfarm laborers.....	6.6	6.2	6.4	6.3	6.0	5.9	6.4	6.2	6.0	5.7	5.7	5.5	5.3
Service workers.....	2.8	2.2	1.9	1.8	2.2	3.2	3.2	3.3	2.7	2.9	3.9	2.6	2.5
Farm workers.....	6.1	6.0	6.5	6.3	6.4	6.1	6.4	6.6	6.2	6.0	5.8	5.5	5.5
Industry													
Private wage and salary workers ⁴	9.6	10.4	11.2	9.6	10.9	11.0	11.2	11.8	9.1	11.7	12.7	11.8	10.8
Construction.....	6.6	6.5	6.9	7.0	6.9	6.8	7.2	7.6	7.3	6.7	6.1	5.8	5.8
Manufacturing.....	6.5	6.9	7.2	7.5	7.3	7.1	7.2	8.0	8.2	7.3	6.3	5.7	5.7
Durable goods.....	6.7	6.0	6.4	6.3	6.4	6.4	7.1	7.2	6.1	5.8	5.8	5.9	6.0
Nondurable goods.....	3.0	3.3	4.4	4.0	3.3	4.0	4.6	4.1	3.6	3.5	3.0	3.1	3.3
Transportation and public utilities.....	6.4	6.5	6.9	6.5	6.7	6.2	6.1	6.7	6.1	5.8	5.7	5.5	5.3
Wholesale and retail trade.....	5.4	4.7	5.1	5.3	5.3	4.8	5.0	4.9	5.1	4.5	4.8	4.4	4.6
Finance and service industries.....	2.9	2.5	3.0	2.8	2.8	2.6	2.9	3.0	2.8	2.5	2.0	2.2	2.0
Government wage and salary workers.....	8.3	5.7	7.5	6.1	6.5	9.4	9.0	9.6	8.8	8.4	9.1	8.0	7.9

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					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Total, 16 years and over...	5.8	5.6	6.2	6.1	6.0	5.8	6.0	6.2	5.9	5.5	5.4	5.1	5.0
16 to 19 years	16.2	15.8	17.3	17.2	17.8	16.7	17.6	17.8	17.6	17.0	16.5	15.8	14.2
16 and 17 years.....	18.3	18.1	19.0	18.3	18.8	17.4	20.3	19.8	18.6	19.7	19.0	17.3	15.5
18 and 19 years.....	14.9	13.9	16.7	15.8	17.2	16.1	16.0	16.5	16.6	15.1	14.6	14.5	13.4
20 to 24 years.....	9.7	9.9	11.1	10.4	10.0	9.4	9.7	10.2	10.0	9.1	9.3	8.4	8.5
25 years and over	4.0	3.8	4.0	4.0	4.0	3.9	4.0	4.2	3.9	3.7	3.5	3.4	3.4
25 to 54 years	4.2	3.9	4.1	4.2	4.2	4.0	4.1	4.4	4.2	3.9	3.6	3.6	3.6
55 years and over	3.1	3.4	3.6	3.6	3.3	3.6	3.6	3.5	3.3	3.0	3.1	2.8	2.9
Males, 16 years and over.....	5.2	5.1	5.6	5.3	5.3	5.2	5.4	5.6	5.2	5.1	4.9	4.7	4.5
16 to 19 years	15.5	15.7	17.6	16.5	17.0	16.2	17.6	17.2	16.5	17.0	16.4	15.7	14.2
16 and 17 years.....	18.5	17.7	17.5	18.5	18.4	17.3	19.8	20.0	17.7	19.8	19.4	17.0	15.4
18 and 19 years.....	13.5	13.7	18.0	14.9	16.0	15.3	15.7	15.0	15.1	14.9	14.2	14.5	13.7
20 to 24 years.....	10.1	9.7	10.8	10.5	10.0	9.7	10.4	10.9	10.4	10.6	10.1	8.7	9.0
25 years and over	3.4	3.3	3.6	3.5	3.4	3.4	3.5	3.7	3.4	3.2	3.0	3.0	2.9
25 to 54 years	3.5	3.4	3.6	3.4	3.4	3.2	3.4	3.6	3.5	3.3	3.0	3.0	2.9
55 years and over	3.1	3.3	3.5	3.7	3.5	3.9	3.8	3.7	3.5	3.0	3.1	3.0	2.8
Females, 16 years and over.....	6.9	6.5	7.2	7.3	7.2	6.8	6.9	7.1	7.0	6.3	6.2	5.9	5.8
16 to 19 years	17.1	15.9	16.9	18.2	18.8	17.2	17.7	18.6	19.0	16.9	16.5	15.8	14.1
16 and 17 years.....	18.1	18.7	20.8	17.9	19.4	17.5	21.0	19.4	19.8	19.5	18.6	17.6	15.7
18 and 19 years.....	16.5	14.1	15.2	16.9	18.5	17.0	16.4	18.2	18.4	15.3	14.9	14.6	13.1
20 to 24 years.....	9.1	10.1	11.5	10.3	10.1	9.1	9.0	9.3	9.6	7.4	8.2	8.1	8.0
25 years and over	5.0	4.5	4.8	5.0	5.0	4.8	4.9	5.1	4.8	4.6	4.3	4.2	4.3
25 to 54 years	5.5	5.0	5.1	5.5	5.6	5.3	5.2	5.7	5.4	5.0	4.7	4.6	4.7
55 years and over	3.3	3.6	3.7	3.4	3.1	3.1	3.3	3.1	2.9	3.0	3.0	2.6	3.0

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

Reason for unemployment	1971							1970					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Number of unemployed													
Lost last job	2,258	2,339	2,311	2,281	2,185	2,288	2,281	2,536	2,385	2,208	2,099	1,974	1,824
Left last job	518	476	618	606	594	652	643	614	607	590	540	563	600
Reentered labor force.....	1,544	1,338	1,527	1,460	1,537	1,296	1,497	1,472	1,397	1,214	1,335	1,269	1,283
Never worked before	548	540	740	588	678	589	644	594	607	553	538	492	429
Percent distribution													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lost last job	46.4	49.8	44.5	45.3	43.8	47.4	45.0	48.6	47.7	48.4	46.5	45.9	44.1
Left last job	10.6	10.1	11.9	12.0	11.9	13.5	12.7	11.8	12.1	12.9	12.0	13.1	14.5
Reentered labor force	31.7	28.5	29.4	29.0	30.8	26.9	29.6	28.2	28.0	26.6	29.6	29.5	31.0
Never worked before	11.3	11.5	14.2	13.7	13.6	12.2	12.7	11.4	12.1	12.1	11.9	11.4	10.4
Unemployed as a percent of the civilian labor force													
Lost last job	2.7	2.8	2.7	2.7	2.6	2.7	2.7	3.0	2.9	2.7	2.5	2.4	2.2
Left last job6	.6	.7	.7	.7	.8	.8	.7	.7	.7	.7	.7	.7
Reentered labor force.....	1.8	1.6	1.8	1.7	1.8	1.6	1.8	1.8	1.7	1.5	1.6	1.5	1.6
Never worked before7	.6	.9	.8	.8	.7	.8	.7	.7	.7	.6	.6	.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1971							1970						
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
Total														
16 years and over	78,941	78,443	78,961	78,698	78,475	78,537	78,864	78,463	78,550	78,691	78,479	78,508	78,574	
16 to 19 years	6,156	5,860	6,367	6,282	6,126	6,249	6,228	6,110	6,052	6,076	6,120	5,992	6,071	
16 and 17 years.....	2,522	2,324	2,688	2,660	2,627	2,709	2,684	2,544	2,541	2,531	2,586	2,540	2,556	
18 and 19 years.....	3,617	3,546	3,658	3,619	3,517	3,555	3,555	3,559	3,528	3,559	3,544	3,413	3,486	
20 to 24 years	10,209	9,954	10,014	9,980	9,839	9,795	9,926	9,879	9,859	9,940	9,858	9,778	9,707	
25 years and over	62,539	62,635	62,589	62,431	62,533	62,489	62,722	62,461	62,646	62,679	62,506	62,731	62,790	
25 to 54 years	48,570	48,646	48,687	48,446	48,495	48,619	48,667	48,436	48,577	48,592	48,488	48,655	48,697	
55 years and over	13,907	13,867	13,948	13,956	14,072	13,928	14,237	14,064	14,015	14,054	13,980	14,035	14,044	
Male														
16 years and over	49,340	49,035	49,243	49,144	48,793	48,725	48,908	48,870	48,964	48,870	48,898	48,754	48,858	
16 to 19 years	3,452	3,270	3,506	3,519	3,382	3,488	3,483	3,505	3,433	3,339	3,368	3,282	3,351	
16 and 17 years.....	1,481	1,376	1,552	1,548	1,476	1,577	1,561	1,537	1,489	1,439	1,484	1,455	1,500	
18 and 19 years.....	1,959	1,898	1,969	1,957	1,915	1,920	1,924	1,973	1,956	1,914	1,890	1,793	1,834	
20 to 24 years	5,552	5,494	5,540	5,510	5,405	5,322	5,365	5,400	5,342	5,299	5,308	5,250	5,209	
25 years and over	40,295	40,249	40,216	40,114	40,027	39,926	40,038	39,997	40,165	40,230	40,235	40,234	40,280	
25 to 54 years	31,347	31,271	31,253	31,204	31,070	31,148	31,094	31,132	31,281	31,290	31,301	31,248	31,298	
55 years and over	8,939	8,907	8,971	8,912	8,943	8,812	9,007	8,901	8,900	8,938	8,927	8,957	8,979	
Female														
16 years and over	29,601	29,408	29,718	29,554	29,682	29,812	29,956	29,593	29,586	29,821	29,581	29,754	29,716	
16 to 19 years	2,704	2,590	2,861	2,763	2,744	2,761	2,745	2,605	2,619	2,737	2,752	2,710	2,720	
16 and 17 years.....	1,041	948	1,136	1,112	1,151	1,132	1,123	1,007	1,052	1,092	1,102	1,085	1,056	
18 and 19 years.....	1,658	1,648	1,689	1,662	1,602	1,635	1,631	1,586	1,572	1,645	1,654	1,620	1,652	
20 to 24 years	4,657	4,460	4,474	4,470	4,434	4,473	4,561	4,479	4,517	4,641	4,550	4,528	4,498	
25 years and over	22,244	22,386	22,373	22,317	22,506	22,563	22,684	22,464	22,481	22,449	22,271	22,497	22,510	
25 to 54 years	17,223	17,375	17,434	17,242	17,425	17,471	17,573	17,304	17,296	17,302	17,188	17,407	17,399	
55 years and over	4,968	4,960	4,977	5,044	5,129	5,116	5,230	5,163	5,115	5,116	5,053	5,078	5,065	

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

(In thousands)

Occupation group	1971							1970						
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
White-collar workers	38,035	37,868	38,128	37,932	37,838	37,791	38,086	38,107	38,165	38,110	38,003	37,950	38,027	
Professional and technical.....	11,019	11,247	11,025	10,969	10,837	10,907	10,777	11,132	11,156	11,172	11,234	11,280	11,246	
Managers, officials, and proprietors	8,661	8,588	8,680	8,607	8,662	8,573	8,729	8,408	8,378	8,349	8,246	8,248	8,308	
Clerical workers	13,306	13,119	13,394	13,236	13,247	13,265	13,474	13,613	13,700	13,671	13,647	13,543	13,622	
Sales workers	5,049	4,914	5,029	5,120	5,092	5,046	5,106	4,954	4,931	4,918	4,876	4,879	4,851	
Blue-collar workers.....	27,182	27,031	26,978	27,005	26,999	27,196	27,023	27,444	27,695	27,736	27,580	27,683	27,662	
Craftsmen and foremen	10,275	10,219	10,059	10,050	10,045	10,291	9,985	10,149	10,163	10,205	10,149	10,090	10,093	
Operatives	12,838	12,968	12,915	12,927	12,899	12,841	12,931	13,583	13,747	13,895	13,728	13,811	13,840	
Nonfarm laborets	4,069	3,844	4,004	4,028	4,055	4,064	4,107	3,712	3,785	3,636	3,703	3,782	3,729	
Service workers	10,666	10,576	10,743	10,492	10,681	10,621	10,749	9,799	9,728	9,834	9,915	9,776	9,682	
Farmers and farm laborers.....	3,002	2,941	3,025	3,169	2,991	2,944	3,026	3,080	2,990	2,997	3,095	3,086	3,174	

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

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

Year and month	Total	Goods-producing				Transportation and public utilities	Service-producing				Government				
		Total	Mining	Contract construction	Manufacturing		Total	Wholesale and retail trade			Finance, insurance, and real estate	Total	Federal	State and local	
								Total	Wholesale trade	Retail trade					
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	
1921.....	24,382	10,231	962	1,012	8,257	14,151	3,459	4,589	-	-	1,163	2,412	2,528	-	
1922.....	25,827	11,234	929	1,185	9,120	14,593	3,505	4,903	-	-	1,144	2,503	2,538	-	
1923.....	28,394	12,741	1,212	1,229	10,300	15,653	3,882	5,290	-	-	1,190	2,684	2,607	-	
1924.....	28,040	12,093	1,101	1,321	9,671	15,947	3,807	5,407	-	-	1,231	2,782	2,720	-	
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,503	4,148	6,080	2,905	
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	
1959.....	53,313	20,367	732	2,960	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850	
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	
1968.....	67,915	23,672	606	3,285	19,781	44,244	4,310	14,084	3,611	10,473	3,382	10,623	11,845	2,737	
1969.....	70,274	24,225	619	3,437	20,169	46,048	4,431	14,645	3,738	10,907	3,557	11,211	12,204	2,758	
1970.....	70,664	23,362	622	3,347	19,393	47,301	4,498	14,950	3,849	11,102	3,679	11,577	12,597	2,705	
1970:July	70,602	23,532	635	3,572	19,325	47,070	4,593	14,924	3,902	11,022	3,738	11,698	12,117	2,700	
Aug.	70,527	23,688	636	3,606	19,446	46,839	4,574	14,869	3,886	10,983	3,732	11,648	12,016	2,675	
Sept.	70,922	23,640	628	3,500	19,512	47,282	4,561	14,936	3,869	11,067	3,695	11,634	12,456	2,649	
Oct.	70,692	22,943	622	3,471	18,850	47,749	4,527	15,038	3,884	11,154	3,689	11,677	12,818	2,643	
Nov.	70,644	22,647	623	3,379	18,645	47,997	4,515	15,191	3,886	11,305	3,697	11,660	12,934	2,648	
Dec.	71,234	22,711	621	3,226	18,864	48,523	4,446	15,744	3,890	11,854	3,704	11,645	12,984	2,693	
1971:Jan.	69,622	22,143	611	2,910	18,622	47,479	4,427	14,899	3,837	11,022	3,701	11,554	12,898	2,640	
Feb.	69,533	22,007	606	2,833	18,568	47,526	4,444	14,757	3,825	10,932	3,708	11,608	13,009	2,646	
Mar.	69,875	22,091	608	2,955	18,528	47,784	4,457	14,831	3,834	10,997	3,727	11,697	13,072	2,649	
Apr.	70,391	22,296	617	3,154	18,525	48,095	4,455	15,017	3,837	11,180	3,749	11,800	13,074	2,662	
May	70,834	22,480	622	3,257	18,601	48,354	4,485	15,119	3,854	11,265	3,771	11,890	13,089	2,659	
June	71,399	22,820	636	3,406	18,778	48,579	4,533	15,239	3,892	11,347	3,826	11,966	13,015	2,674	
July	70,404	22,443	617	3,444	18,382	47,961	4,528	15,183	3,922	11,261	3,854	11,938	12,458	2,689	
														9,769	

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

**ESTABLISHMENT DATA
EMPLOYMENT**

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B-2: Employees on nonagricultural payrolls, by industry

SIC CODE	Industry	(In thousands)					Production workers ¹				
		All employees					Production workers ¹				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
-	TOTAL	70,404	71,399	70,834	70,602	71,385	-	-	-	-	-
-	PRIVATE SECTOR	57,946	58,384	57,745	58,485	58,746	47,870	48,291	47,699	48,297	48,582
-	MINING	617	636	622	635	635	465	484	473	483	485
10	METAL MINING	-	95.9	93.7	98.5	97.6	-	76.7	75.1	79.2	78.9
101	Iron ores	-	26.4	25.6	27.7	27.5	-	21.5	20.9	22.6	22.6
102	Copper ores	-	38.9	38.1	38.4	37.9	-	30.8	30.2	30.3	30.1
11,12	COAL MINING	-	156.2	156.2	143.4	144.5	-	134.2	134.7	124.1	125.4
12	Bituminous coal and lignite mining	-	150.7	150.6	137.9	138.9	-	129.3	129.8	119.1	120.4
13	OIL AND GAS EXTRACTION	-	263.5	255.3	270.9	272.4	-	174.1	166.9	178.8	181.1
131,2	Crude petroleum and natural gas fields	-	141.7	137.6	145.1	144.4	-	73.1	70.2	75.3	75.0
138	Oil and gas field services	-	121.8	117.7	125.8	128.0	-	101.0	96.7	103.5	106.1
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	120.0	117.2	121.9	120.7	-	99.0	96.2	100.8	99.5
142	Crushed and broken stone	-	43.6	42.5	43.6	43.0	-	36.6	35.7	36.7	36.2
144	Sand and gravel	-	39.4	38.1	40.4	39.5	-	-	-	-	-
	CONTRACT CONSTRUCTION	3,444	3,406	3,257	3,572	3,504	2,886	2,849	2,711	3,006	2,943
	GENERAL BUILDING CONTRACTORS		958.8	919.4	1,040.6	1,018.0	-	797.0	761.5	876.4	854.8
16	HEAVY CONSTRUCTION CONTRACTORS	-	798.7	741.6	856.7	830.9	-	685.7	633.4	741.1	717.9
161	Highway and street construction	-	364.0	332.9	407.3	391.1	-	324.0	294.6	265.8	351.2
162	Heavy construction, n e c	-	434.7	408.7	449.4	439.8	-	361.7	338.8	375.3	366.7
17	SPECIAL TRADE CONTRACTORS	-	1,648.3	1,595.6	1,675.1	1,654.8	-	1,365.9	1,316.5	1,388.8	1,370.7
171	Plumbing, heating, air conditioning	-	386.4	378.1	395.2	390.1	-	307.1	299.5	316.1	311.2
172	Painting, paper hanging, decorating	-	120.4	115.1	141.2	138.4	-	104.2	99.3	124.8	121.9
173	Electrical work	-	279.6	270.8	290.4	286.4	-	222.9	215.0	232.2	228.4
174	Masonry, stonework, and plastering	-	218.4	211.6	217.1	215.2	-	197.1	190.6	195.5	193.7
176	Roofing and sheet metal work	-	114.4	110.6	119.9	118.1	-	93.6	89.7	99.0	97.3
	MANUFACTURING	18,382	18,778	18,601	19,325	19,627	13,244	13,637	13,474	13,958	14,261
19,24,25, 32-39	DURABLE GOODS	10,413	10,706	10,631	11,156	11,392	7,441	7,722	7,650	7,993	8,228
20-23, 26-31	NONDURABLE GOODS	7,969	8,072	7,970	8,169	8,235	5,803	5,915	5,824	5,965	6,033
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	198.2	199.8	199.6	242.6	249.9	98.7	99.7	100.1	130.2	136.4
192	Ammunition, except for small arms	138.6	139.1	139.6	170.4	175.0	62.8	63.0	64.3	86.1	89.1
1925	Complete guided missiles	-	93.0	92.8	99.3	101.9	-	27.6	28.0	30.4	31.7
1929	Ammunition, exc. for small arms, nec	-	46.1	46.8	71.1	73.1	-	35.4	36.3	55.7	57.4
24	LUMBER AND WOOD PRODUCTS	593.6	596.5	574.7	589.0	596.4	514.6	516.5	494.9	508.3	515.6
241	Logging camps & logging contractors	77.2	75.8	67.5	80.9	81.8	-	-	-	-	-
242	Sawmills and planing mills	214.5	215.3	211.0	217.9	220.4	196.1	196.4	191.7	198.4	201.0
2421	Sawmills and planing mills, general	-	182.1	178.5	185.4	186.8	-	166.4	162.4	169.2	170.7
243	Millwork, plywood & related products	183.2	185.2	177.5	168.2	168.5	154.2	155.9	148.6	139.7	140.2
2431	Millwork	-	80.7	76.7	73.7	73.9	-	65.7	62.0	59.1	59.7
2432	Veneer and plywood	-	78.8	76.7	72.0	71.8	-	70.9	68.8	64.4	64.1
244	Wooden containers	(*)	31.5	31.0	34.5	35.3	(*)	27.8	27.3	30.8	31.5
2441,2	Wooden boxes, shooe, and crates	-	25.8	25.1	28.2	28.7	-	22.9	22.2	25.3	25.7
249	Miscellaneous wood products	88.6	88.7	87.7	87.5	90.4	73.1	73.2	72.4	72.5	75.4

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)					Production workers ¹				
		All employees					Production workers ¹				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
Durable Goods--Continued											
25	FURNITURE AND FIXTURES	452.5	459.8	452.0	446.2	454.1	371.5	378.9	371.3	365.6	373.2
251	Household furniture	323.5	328.2	324.2	307.8	314.4	273.8	278.2	274.3	258.7	264.8
2511	Wood household furniture	—	164.0	161.4	152.6	156.5	—	143.7	141.1	133.4	136.9
2512	Upholstered household furniture	—	89.4	88.0	82.6	82.1	—	74.8	73.6	68.0	67.6
2515	Mattresses and bedsprings	—	38.0	37.4	37.3	37.2	—	29.2	28.7	28.9	28.8
252	Office furniture	—	33.5	32.4	36.1	37.3	—	25.4	24.4	28.0	28.9
254	Partitions and fixtures	—	50.0	48.7	52.4	52.1	—	38.3	37.1	40.7	40.9
253,9	Other furniture and fixtures	46.8	48.1	46.7	49.9	50.3	35.4	37.0	35.5	38.2	38.6
32	STONE, CLAY, AND GLASS PRODUCTS . . .	636.0	640.6	629.4	643.8	650.0	504.1	509.6	499.2	513.4	518.3
321	Flat glass	—	23.9	23.5	22.8	23.4	—	17.5	17.2	16.5	17.0
322	Glass and glassware, pressed or blown . . .	127.7	128.7	127.4	132.3	133.6	109.4	110.3	109.2	115.3	116.5
3221	Glass containers	—	74.7	73.9	78.5	78.5	—	65.5	64.6	70.3	70.2
3229	Pressed and blown glass, n e c	—	54.0	53.5	53.8	55.1	—	44.8	44.6	45.0	46.3
324	Cement, hydraulic	34.3	33.8	32.7	35.4	35.5	27.1	26.6	25.5	27.6	27.7
325	Structural clay products	58.0	58.9	57.3	59.1	59.7	47.8	49.0	47.5	48.2	48.9
3251	Brick and structural clay tile	—	26.5	25.8	26.3	26.4	—	23.1	22.4	22.8	23.0
326	Pottery and related products	—	40.6	40.5	41.1	43.4	—	33.3	33.7	33.9	36.0
327	Concrete, gypsum, and plaster products . . .	189.3	190.1	185.4	189.4	188.9	148.1	149.1	144.9	147.9	147.9
328,9	Other stone and nonmetallic mineral products . . .	(*)	135.3	134.3	136.7	138.0	(*)	100.6	99.1	102.8	102.8
3291	Abrasive products	—	25.1	25.0	26.5	26.8	—	17.1	17.1	18.2	18.5
33	PRIMARY METAL INDUSTRIES	1,225.6	1,274.4	1,270.8	1,316.6	1,331.6	966.0	1,012.3	1,011.8	1,044.2	1,058.5
331	Blast furnaces and basic steel products . . .	(*)	631.1	625.5	642.9	644.1	(*)	506.8	504.1	513.2	514.3
3312	Blast furnaces and steel mills	—	554.8	549.7	562.9	563.5	—	447.3	445.0	451.2	452.0
332	Iron and steel foundries	(*)	215.0	214.3	223.3	229.3	(*)	177.8	177.2	184.8	191.2
3321	Gray iron foundries	—	133.6	132.5	137.3	143.9	—	112.0	111.0	115.3	122.3
3322	Malleable iron foundries	—	22.9	23.0	21.6	21.7	—	19.1	19.2	17.9	17.8
3323	Steel foundries	—	58.5	58.8	64.4	63.7	—	46.7	47.0	51.6	51.1
333,4	Nonferrous metals	(*)	84.0	84.0	88.8	87.5	(*)	65.4	65.3	68.7	67.4
3334	Primary aluminum	—	30.9	30.6	31.7	31.5	—	25.2	25.0	25.8	25.7
335	Nonferrous rolling and drawing	(*)	201.3	206.0	208.5	213.3	(*)	147.5	152.6	154.8	159.0
3351	Copper rolling and drawing	—	41.9	41.2	42.3	44.1	—	31.4	30.7	31.2	32.9
3352	Aluminum rolling and drawing	—	62.2	67.4	67.7	68.4	—	44.0	49.6	49.3	49.8
3357	Nonferrous wire drawing and insulating . . .	—	76.9	77.1	76.5	78.2	—	58.2	58.4	58.9	60.3
336	Nonferrous foundries	75.4	77.1	75.4	82.8	85.5	61.2	63.0	61.0	67.6	70.1
3361	Aluminum castings	—	40.2	38.9	43.5	45.3	—	33.4	32.0	36.2	37.9
3362,9	Other nonferrous castings	—	36.9	36.5	39.3	40.2	—	29.6	29.0	31.4	32.2
339	Miscellaneous primary metal products	65.2	65.9	65.6	70.3	71.9	51.4	51.8	51.6	55.1	56.5
3391	Iron and steel forgings	—	44.4	44.0	46.9	47.9	—	35.4	35.0	37.2	38.2
34	FABRICATED METAL PRODUCTS	1,324.0	1,353.0	1,337.9	1,370.0	1,400.9	1,001.7	1,030.7	1,018.0	1,039.1	1,068.3
341	Metal cans	74.7	73.5	71.0	72.1	72.2	63.9	63.1	60.9	61.3	61.4
342	Cutlery, hand tools, and hardware	145.5	153.0	153.0	147.5	154.3	112.8	120.0	120.2	111.5	118.8
3421,3,5	Cutlery and hand tools, incl. saws	—	62.9	62.8	64.2	65.2	—	48.9	48.7	48.7	50.1
3429	Hardware, n e c	—	90.1	90.2	83.3	89.1	—	71.1	71.5	62.8	68.7
343	Plumbing and heating, except electric	(*)	80.1	79.4	80.5	81.8	(*)	59.5	58.9	58.6	60.3
3431,2	Sanitary ware & plumbers' brass goods . . .	—	36.1	35.3	35.2	35.7	—	28.7	28.0	27.5	28.2
3433	Heating equipment, except electric	—	44.0	44.1	45.3	46.1	—	30.8	30.9	31.1	32.1
344	Fabricated structural metal products	418.9	420.1	410.5	426.0	428.8	298.2	300.5	292.2	306.1	308.8
3441	Fabricated structural steel	—	106.3	105.1	108.1	108.7	—	77.8	77.0	79.2	79.7
3442	Metal doors, sash, and trim	—	70.9	67.7	66.7	68.1	—	52.6	49.5	48.2	49.5
3443	Fabricated plate work (boiler shops)	—	118.3	117.3	121.5	122.4	—	81.6	81.1	85.2	86.6
3444	Sheet metal work	—	78.1	75.4	81.2	81.7	—	56.6	54.0	59.0	59.1
3446,9	Architectural and misc. metal work	—	46.5	45.0	48.5	47.9	—	31.9	30.6	34.5	33.9
345	Screw machine products, bolts, etc	(*)	99.0	99.0	107.6	110.6	(*)	76.2	76.0	83.5	85.8
3451	Screw machine products	—	43.4	43.7	47.8	49.2	—	35.6	35.9	39.8	40.8
3452	Bolts, nuts, rivets, and washers	—	55.6	55.3	59.8	61.4	—	40.6	40.1	43.7	45.0
346	Metal stampings	216.5	225.5	226.6	227.9	240.2	172.8	180.8	182.2	181.8	193.3
347	Metal services, n e c	80.7	83.5	81.9	87.8	90.3	65.6	68.1	67.0	71.9	73.9
348	Misc. fabricated wire products	64.5	64.5	63.5	64.1	64.3	50.9	50.7	49.7	50.3	50.5
349	Misc. fabricated metal products	153.0	153.8	153.0	156.5	158.4	111.0	111.8	110.9	114.1	115.5
3494,8	Valves, pipe, and pipe fittings	—	92.2	91.9	92.6	94.2	—	63.9	63.7	64.7	66.0

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

52

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

SIC Code	Industry	(In thousands)					Production workers ¹				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	1,752.8	1,777.5	1,778.7	1,969.3	1,998.1	1,129.2	1,157.2	1,158.0	1,308.6	1,334.6
351	Engines and turbines	(*)	112.3	112.4	109.2	106.6	(*)	75.8	76.2	74.8	71.9
3511	Steam engines and turbines	-	41.0	41.0	38.7	39.9	-	23.8	24.0	23.5	24.3
3519	Internal combustion engines, n.e.c.	-	71.3	71.4	70.5	66.7	-	52.0	52.2	51.3	47.6
352	Farm machinery	-	119.3	121.3	127.8	130.2	-	81.6	83.0	89.5	92.0
353	Construction and related machinery	267.4	269.8	269.2	290.0	293.5	170.3	173.2	172.7	190.7	194.5
3531,2	Construction and mining machinery	-	142.3	142.7	152.3	155.0	-	95.1	95.2	104.2	106.9
3533	Oil field machinery	-	46.0	45.2	47.1	47.4	-	31.2	30.6	32.1	32.7
3535,6	Conveyors, hoists, cranes, monorails	-	36.9	37.1	42.9	43.0	-	21.4	21.6	26.1	26.4
3537	Industrial trucks and tractors	-	28.9	28.6	32.1	32.7	-	17.5	17.3	20.2	20.6
354	Metal working machinery	257.9	262.1	263.7	318.1	328.6	182.5	187.4	188.2	232.5	242.1
3541	Machine tools, metal cutting types	-	52.9	52.3	69.9	72.9	-	33.2	32.8	45.7	48.2
3544	Special dies, tools, jigs, & fixtures	-	98.0	99.3	117.2	121.8	-	77.2	78.1	94.6	98.8
3545	Machine tool accessories	-	45.5	46.1	55.3	57.0	-	31.8	32.0	39.3	41.0
3542,8	Misc. metal working machinery	-	65.7	66.0	75.7	76.9	-	45.2	45.3	52.9	54.1
355	Special industry machinery	173.1	174.7	174.4	192.6	195.1	110.7	111.5	111.3	124.5	126.8
3551	Food products machinery	-	39.9	39.7	43.3	43.2	-	24.6	24.4	27.1	27.0
3552	Textile machinery	-	33.1	32.8	35.9	36.7	-	24.3	24.0	26.3	27.1
3555	Printing trades machinery	-	29.0	29.0	31.4	32.3	-	17.3	17.4	19.5	20.4
356	General industrial machinery	249.6	250.6	249.3	281.6	285.0	162.4	163.9	162.8	185.2	188.7
3561	Pumps and compressors	-	66.5	65.8	75.2	76.3	-	39.1	38.6	43.6	44.9
3562	Ball and roller bearings	-	48.9	48.6	60.0	60.9	-	36.5	36.1	45.7	46.9
3564	Blowers and fans	-	30.7	30.4	31.6	31.5	-	19.4	19.1	20.5	20.4
3566	Power transmission equipment	-	48.4	47.5	52.1	52.4	-	34.2	33.5	36.7	37.0
357	Office and computing machines	252.1	252.1	252.8	288.4	293.0	116.6	116.7	117.5	142.1	145.5
3573	Electronic computing equipment	-	173.4	172.7	193.6	196.5	-	63.8	63.1	74.5	76.2
358	Service industry machines	129.7	131.0	132.1	143.3	143.9	89.4	90.1	91.2	100.9	101.2
3585	Refrigeration machinery	-	85.5	86.4	96.0	95.9	-	58.6	59.9	68.1	68.1
359	Misc. machinery, except electrical	206.3	205.6	203.5	218.3	222.2	157.4	157.0	155.1	168.4	171.9
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,749.6	1,778.9	1,774.5	1,913.2	1,932.1	1,149.6	1,176.1	1,169.6	1,264.4	1,291.4
361	Electric test&distributing equipment	202.5	203.0	201.5	216.4	219.4	137.6	137.8	135.6	147.3	150.7
3611	Electric measuring instruments	-	64.3	63.7	69.9	71.5	-	39.3	38.2	43.2	44.9
3612	Transformers	-	54.9	54.7	59.6	60.2	-	40.1	39.5	43.4	44.0
3613	Switchgear and switchboard apparatus	-	83.8	83.1	86.9	87.7	-	58.4	57.9	60.7	61.8
362	Electrical industrial apparatus	(*)	197.7	198.3	223.6	219.9	(*)	133.6	133.8	155.5	152.1
3621	Motors and generators	-	103.2	104.1	118.7	117.5	-	71.3	71.9	84.5	83.2
3622	Industrial controls	-	55.2	54.9	62.5	58.8	-	34.7	34.4	40.5	37.4
363	Household appliances	171.1	176.7	177.4	180.5	183.0	134.5	139.6	140.2	144.2	147.1
3632	Household refrigerators and freezers	-	58.4	59.4	61.5	60.9	-	48.2	49.2	51.9	51.7
3633	Household laundry equipment	-	26.4	26.2	25.6	28.0	-	21.2	21.1	20.1	22.4
3634	Electric housewares and fans	-	41.3	41.4	44.1	43.9	-	31.7	31.7	34.6	34.5
364	Electric lighting and wiring equipment	192.3	195.6	194.1	201.2	208.2	147.0	150.3	148.6	154.3	160.7
3641	Electric lamps	-	44.8	44.9	47.1	47.3	-	39.4	39.5	41.6	42.0
3642	Lighting fixtures	-	63.5	63.4	62.2	64.3	-	48.4	48.1	47.1	49.4
3643,4	Wiring devices	-	87.3	85.8	91.9	96.6	-	62.5	61.0	65.6	69.3
365	Radio and TV receiving equipment	131.4	133.5	131.3	129.7	128.2	95.8	97.7	95.9	93.9	92.6
366	Communication equipment	(*)	436.8	440.2	496.8	500.9	(*)	218.4	220.6	249.9	251.6
3661	Telephone and telegraph apparatus	-	159.5	160.9	173.7	171.6	-	104.4	105.4	117.9	116.9
3662	Radio and TV communication equipment	-	277.3	279.3	323.1	320.3	-	114.0	115.2	132.0	134.7
367	Electronic components and accessories	317.7	320.2	317.3	347.4	353.4	208.5	210.9	207.9	229.9	234.9
3671-3	Electron tubes	-	58.5	58.7	61.4	61.3	-	41.1	41.1	41.1	40.8
3674,9	Other electronic components	-	261.7	258.6	286.0	292.1	-	169.8	166.8	188.8	195.1
369	Misc. electrical equipment & supplies	113.0	115.4	114.4	117.6	119.1	85.5	87.8	87.0	89.4	90.7
3694	Engine electrical equipment	-	59.0	58.3	60.5	61.0	-	45.8	45.2	46.7	46.9
37	TRANSPORTATION EQUIPMENT	1,663.9	1,782.9	1,780.3	1,795.0	1,889.6	1,151.6	1,264.3	1,259.9	1,227.6	1,321.1
371	Motor vehicles and equipment	(*)	898.4	895.5	801.1	874.9	(*)	700.4	697.0	606.4	680.5
3711	Motor vehicles	-	407.0	406.5	347.8	388.6	-	300.6	299.1	249.6	290.8
3712	Passenger car bodies	-	63.5	63.4	46.8	55.5	-	54.9	55.0	36.4	45.5
3713	Truck and bus bodies	-	38.4	38.2	39.3	40.4	-	30.5	30.4	31.6	32.7
3714	Motor vehicle parts and accessories	-	368.4	366.1	343.7	356.9	-	298.4	296.6	271.7	293.6
3715	Truck trailers	-	21.1	21.3	23.5	24.5	-	16.0	15.9	17.1	17.9
372	Aircraft and parts	(*)	543.7	550.3	679.9	688.2	(*)	289.0	293.3	370.1	377.7
3721	Aircraft	-	298.4	301.3	382.0	390.1	-	152.5	154.6	201.6	208.7
3722	Aircraft engines and engine parts	-	150.9	152.8	178.4	175.3	-	78.7	79.9	93.1	90.2
3723,9	Other aircraft parts and equipment	-	94.4	96.2	119.5	122.8	-	57.8	58.8	75.4	78.8
373	Ship and boat building and repairing	(*)	163.9	165.2	161.0	167.7	(*)	131.0	132.5	128.9	134.6
3731	Ship building and repairing	-	126.2	127.5	129.7	133.0	-	100.2	101.7	104.5	107.3

See footnotes at end of table.

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹					
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970	
Durable Goods--Continued												
TRANSPORTATION EQUIPMENT-Continued												
3732	Boat building and repairing.....		37.7	37.7	31.3	34.7		30.8	30.8	24.4	27.3	
374	Railroad equipment	-	51.9	50.9	48.4	53.7		40.2	39.1	36.5	41.5	
375,9	Other transportation equipment	-	125.0	118.4	104.6	105.1	-	103.7	98.0	85.7	86.8	
38	INSTRUMENTS AND RELATED PRODUCTS	427.5	431.4	428.2	457.2	462.6	254.9	257.5	255.1	275.5	281.0	
381	Engineering & scientific instruments.....	-	58.9	58.8	67.7	69.1	-	27.7	27.5	33.1	34.0	
382	Mechanical measuring & control devices.....	97.6	98.0	97.3	108.8	109.6	58.2	58.5	58.1	66.5	67.5	
3821	Mechanical measuring devices	-	60.7	60.3	69.2	69.5	-	34.0	33.8	39.9	40.3	
3822	Automatic temperature controls	-	37.3	37.0	39.6	40.1		24.5	24.3	26.6	27.2	
383,5	Optical and ophthalmic goods.....	50.0	51.3	51.2	53.1	53.8	34.1	35.3	35.3	36.4	36.8	
385	Ophthalmic goods	-	35.4	35.0	35.3	35.9	-	26.4	26.2	26.7	27.0	
384	Medical instruments and supplies.....	86.6	87.7	85.8	84.9	85.0	56.9	57.8	56.7	56.4	56.8	
386	Photographic equipment and supplies	105.0	106.1	105.3	111.9	111.4	53.2	54.4	53.5	58.5	58.4	
387	Watches, clocks, and watchcases	-	29.4	29.8	30.8	33.7	-	23.8	24.0	24.6	27.5	
MISCELLANEOUS MANUFACTURING												
39	INDUSTRIES	389.5	411.6	404.7	412.9	426.7	299.3	318.7	312.3	316.4	329.5	
391	Jewelry, silverware, and plated ware.....	46.2	49.3	48.9	47.9	51.2	34.1	36.8	36.4	34.8	38.5	
394	Toys and sporting goods	-	117.6	113.3	115.8	117.6	-	95.4	91.8	93.3	95.0	
3941-3	Games, toys, dolls, & play vehicles	-	65.4	61.1	67.7	67.7	-	52.7	48.7	54.9	54.9	
3949	Sporting and athletic goods, n.e.c.....	-	52.2	52.2	48.1	49.9	-	42.7	43.1	38.4	40.1	
395	Pens, pencils, office, and art supplies.....	-	32.6	32.4	34.9	35.8	-	23.0	22.8	24.9	25.7	
396	Costume jewelry and notions.....	-	54.4	54.0	54.5	57.8	-	44.4	43.9	44.2	47.3	
393,9	Other manufacturing industries	152.7	157.7	156.1	159.8	164.3	115.1	119.1	117.4	119.2	123.0	
393	Musical instruments and parts.....	-	21.1	20.3	20.8	22.1	-	16.7	15.9	16.3	17.2	
Nondurable Goods												
20	FOOD AND KINDRED PRODUCTS	1,784.6	1,758.9	1,706.6	1,826.4	1,796.7	1,193.9	1,175.7	1,129.3	1,230.6	1,202.9	
201	Meat products.....	357.4	349.4	338.6	351.6	345.2	295.1	287.5	276.8	287.2	280.4	
2011	Meat packing plants	-	186.4	182.8	186.4	184.7	-	149.7	146.2	147.0	145.4	
2013	Sausages and other prepared meats	-	61.1	60.4	60.0	59.6	-	44.7	44.0	43.4	42.9	
2015	Poultry dressing plants	-	101.9	95.4	105.2	100.9	-	93.1	86.6	96.8	92.1	
202	Dairy products	239.2	238.8	234.8	248.0	248.6	116.6	116.7	112.7	119.9	120.1	
2024	Ice cream and frozen desserts.....	-	26.0	24.4	26.7	26.3	-	14.0	12.6	14.4	14.1	
2026	Fluid milk.....	-	165.4	164.5	173.3	174.3	-	65.7	64.5	68.0	68.5	
203	Canned, cured, and frozen foods.....	-	259.4	239.9	300.0	274.1	-	211.2	193.9	251.2	227.4	
2031,6	Canned, cured, and frozen sea foods.....	-	37.2	34.6	44.3	43.2	-	31.8	29.6	38.8	37.9	
2032,3	Canned food, except sea foods.....	-	127.4	113.7	155.2	126.5	-	99.0	86.8	127.1	100.2	
2037	Frozen fruits and vegetables.....	-	61.8	60.9	63.6	70.2	-	54.4	53.5	55.8	62.3	
204	Grain mill products.....	141.0	139.1	135.7	138.9	138.8	101.0	99.4	96.5	99.5	99.3	
2041	Flour and other grain mill products	-	28.1	27.7	28.4	28.8	-	20.8	20.4	20.9	21.3	
2042	Prepared feeds for animals and fowls	-	69.5	67.9	68.3	67.9	-	46.9	45.6	46.6	46.2	
205	Bakery products.....	284.6	280.8	276.3	284.6	284.1	169.2	165.7	161.5	168.9	168.3	
2051	Bread, cake, and related products	-	233.9	230.3	236.2	236.5	-	127.9	124.5	129.5	129.6	
2052	Cookies and crackers	-	46.9	46.0	48.4	47.6	-	37.8	37.0	39.4	38.7	
206	Sugar.....	-	29.0	29.4	30.9	30.2	-	21.2	21.5	22.7	21.8	
207	Confectionery and related products	77.6	78.6	77.5	79.5	82.7	62.1	63.1	61.8	63.6	66.6	
2071	Confectionery products	-	61.5	60.8	63.1	65.8	-	50.1	49.3	51.3	53.9	
208	Beverages.....	(*)	244.2	236.3	248.6	248.6	(*)	121.4	116.1	125.2	126.0	
2082	Malt liquors	-	58.7	57.6	60.6	61.9	-	39.5	38.6	40.3	41.3	
2086	Bottled and canned soft drinks	-	138.7	133.4	140.9	139.2	-	51.6	48.8	53.9	53.1	
209	Misc. foods and kindred products	140.1	139.6	138.1	144.3	144.4	89.1	89.5	88.5	92.4	93.0	
21	TOBACCO MANUFACTURES	62.6	65.5	66.1	71.8	71.4	50.9	53.8	54.1	58.5	58.2	
211	Cigarettes.....	-	39.0	39.5	42.4	42.0	-	31.7	31.7	34.0	33.9	
212	Cigars.....	-	15.5	15.5	16.9	17.4	-	14.0	14.0	15.3	15.7	
22	TEXTILE MILL PRODUCTS	928.8	950.8	942.0	948.2	971.5	815.2	836.2	826.2	831.1	853.1	
221	Weaving mills, cotton.....	212.7	214.8	215.2	221.3	222.4	193.1	195.0	195.3	200.8	202.1	
222	Weaving mills, synthetics	(*)	93.2	92.9	93.4	96.1	(*)	82.6	82.1	81.6	84.4	
223	Weaving and finishing mills, wool	(*)	32.6	32.3	37.8	41.0	(*)	27.3	27.1	32.2	35.2	
224	Narrow fabric mills.....	29.4	30.3	29.9	28.8	30.2	25.7	26.8	26.2	25.2	26.7	
225	Knitting mills.....	226.0	232.4	228.8	231.9	239.5	198.7	204.8	200.6	203.6	210.5	
2251	Women's hosiery, except socks	-	51.3	51.1	62.8	64.7	-	46.4	45.4	56.6	58.1	
2252	Hosiery, n.e.c.....	-	34.3	33.5	35.7	35.9	-	30.7	30.0	31.9	32.1	
2253	Knit outerwear mills	-	73.2	72.6	65.5	69.3	-	63.4	62.8	56.5	60.1	
2254	Knit underwear mills	-	30.1	29.7	28.9	29.7	-	26.6	26.2	25.3	26.1	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

54

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		July 1971 ^p	June 1971 ^p	May 1971	July 1970	June 1970	July 1971 ^p	June 1971 ^p	May 1971	July 1970	June 1970
<i>Nondurable Goods-Continued</i>											
226	TEXTILE MILL PRODUCTS-Continued	83.2	85.2	83.8	81.9	83.3	70.0	72.0	70.6	69.3	70.6
227	Textile finishing, except wool	—	53.3	52.4	52.9	53.4	—	42.3	41.3	41.6	41.9
228	Floor covering mills.....	135.6	136.7	135.2	128.2	121.1	124.8	125.9	124.5	118.2	120.9
229	Yarn and thread mills	70.7	72.3	71.5	72.0	74.5	58.2	59.5	58.5	58.6	60.8
23	Miscellaneous textile goods	—	—	—	—	—	—	—	—	—	—
231	APPAREL AND OTHER TEXTILE PRODUCTS....	1,324.5	1,390.7	1,387.3	1,346.8	1,400.0	1,153.9	1,218.3	1,215.7	1,177.5	1,228.1
232	Men's and boys' suits and coats	109.6	118.6	117.7	121.6	129.8	95.6	103.7	102.7	105.5	113.1
2321	Men's and boys' furnishings	386.8	392.9	386.6	379.1	387.3	340.0	346.7	341.4	335.4	343.4
2327	Men's and boys' shirts and nightwear	—	122.6	119.5	124.4	126.2	—	109.2	106.6	111.6	113.3
2328	Men's and boys' separate trousers	—	83.7	82.8	80.3	82.4	—	75.1	74.4	72.5	74.7
233	Men's and boys' work clothing	—	88.3	88.1	84.5	86.5	—	76.6	76.4	72.5	74.3
2331	Women's and misses' outerwear	(*)	433.3	441.0	412.5	430.2	(*)	382.9	390.8	364.8	381.5
2335	Women's and misses' blouses and waists	—	53.5	53.7	49.6	54.1	—	47.9	48.1	44.2	48.6
2337	Women's and misses' dresses	—	205.7	215.7	191.8	201.5	—	185.3	195.0	171.9	181.0
2339	Women's and misses' suits and coats	—	79.0	74.8	83.3	82.5	—	68.2	64.4	73.4	72.8
234	Women's and misses' outerwear, n e c	—	95.1	96.8	87.8	92.1	—	81.5	83.3	75.3	79.1
2341	Women's and children's undergarments	110.3	116.0	115.0	113.6	116.0	95.3	100.7	99.8	98.5	100.7
2342	Women's and children's underwear	—	82.7	82.1	80.8	82.0	—	72.8	72.3	71.3	72.5
235	Corsets and allied garments	—	33.3	32.9	32.8	34.0	—	27.9	27.5	27.2	28.2
236	Hats, caps, and millinery	—	15.7	15.6	17.4	18.8	—	14.0	13.9	15.6	16.9
2361	Children's outerwear	77.2	81.0	78.6	75.7	78.5	69.4	72.6	70.1	67.2	69.9
237,8	Children's dresses and blouses	—	33.3	33.0	32.7	34.2	—	30.1	29.7	29.5	30.9
239	Fur goods and miscellaneous apparel	—	70.6	69.6	72.2	74.4	—	60.0	59.1	61.7	63.8
2391,2	Misc. fabricated textile products	157.2	162.6	163.2	154.7	165.0	132.4	137.7	137.9	128.8	138.8
26	Housefurnishings	—	63.0	63.6	61.8	63.0	—	53.9	54.1	53.0	54.1
261,2,6	PAPER AND ALLIED PRODUCTS.....	676.3	693.0	678.6	709.8	720.0	513.3	530.4	517.0	545.5	556.8
263	Paper and pulp mills	(*)	217.6	208.2	227.3	230.1	(*)	167.1	158.6	175.0	178.4
264	Paperboard mills	68.9	68.5	67.4	71.7	72.4	53.5	53.3	52.5	57.5	58.3
2643	Misc. converted paper products	185.4	187.2	185.2	186.0	189.5	134.4	136.1	134.2	134.8	138.0
265	Bags, except textile bags	—	41.3	41.3	41.1	42.4	—	32.3	32.6	32.6	33.8
2651,2	Paperboard containers and boxes	214.9	219.7	217.8	224.8	228.0	168.8	173.9	171.7	178.2	182.1
2653	Folding and setup paperboard boxes	—	65.7	65.1	67.8	69.0	—	53.6	53.2	55.6	56.9
2654	Corrugated and solid fiber boxes	—	105.8	104.5	107.2	108.7	—	80.8	79.3	81.8	83.6
26	Sanitary food containers	—	29.4	29.4	30.6	30.3	—	23.9	23.8	25.0	25.1
27	PRINTING AND PUBLISHING.....	1,093.5	1,087.5	1,084.8	1,104.8	1,105.7	666.0	665.5	664.1	676.9	679.9
271	Newspapers	371.7	371.5	369.9	373.6	373.9	179.3	180.5	180.1	180.6	181.0
272	Periodicals	—	69.0	69.2	74.9	74.7	—	20.0	20.4	24.1	24.8
273	Books	—	100.0	100.3	99.6	100.2	—	55.5	55.5	53.6	54.9
275	Commercial printing	345.8	350.1	350.3	354.1	354.3	265.0	268.6	269.1	272.9	273.0
2751	Commercial printing, ex. lithographic	—	212.1	212.2	216.7	216.0	—	165.1	165.4	168.6	167.9
2752	Commercial printing, lithographic	—	125.9	125.6	126.1	126.9	—	94.5	94.5	95.9	96.6
278	Blankbooks and bookbinding	57.2	57.4	55.8	59.1	59.0	47.5	47.6	46.0	48.7	48.6
274,6,7,9	Other publishing & printing ind.	140.8	139.5	139.3	143.5	143.6	94.0	93.3	93.0	97.0	97.6
28	CHEMICALS AND ALLIED PRODUCTS.....	1,035.6	1,036.5	1,032.3	1,066.0	1,063.7	597.0	598.2	595.9	608.0	607.5
281	Industrial chemicals	310.4	311.6	310.8	323.3	320.4	170.5	170.3	169.8	173.5	170.9
2812	Alkalies and chlorine	—	21.1	21.1	22.2	22.7	—	14.3	14.3	14.9	15.6
2818	Industrial organic chemicals, n e c	—	123.0	122.2	132.1	132.1	—	54.2	54.1	57.6	57.8
2819	Industrial inorganic chemicals, n e c	—	101.4	101.2	102.2	97.9	—	58.5	58.5	58.4	53.6
282	Plastics materials and synthetics	223.1	220.8	218.4	225.9	225.3	149.6	148.0	145.5	146.2	146.2
2821	Plastics materials and resins	—	93.1	92.5	97.5	97.4	—	57.1	56.5	59.0	59.1
2823,4	Synthetic fibers	—	114.2	112.5	114.7	114.2	—	81.5	79.8	77.9	77.9
283	Drugs	157.1	155.8	153.4	152.0	151.5	77.5	76.6	74.9	73.2	73.2
2834	Pharmaceutical preparations	—	121.0	119.0	117.5	117.2	—	58.8	57.2	55.3	55.4
284	Soap, cleaners, and toilet goods	121.8	122.5	121.2	127.4	127.0	67.0	69.0	68.3	72.7	72.5
2841	Soap and other detergents	—	41.2	40.4	42.5	42.0	—	26.7	26.2	27.6	27.2
2844	Toilet preparations	—	47.0	46.7	50.1	50.7	—	25.3	25.2	28.3	29.0
285	Paints and allied products	71.5	70.9	69.0	73.4	72.5	40.2	39.5	37.9	41.6	41.0
287	Agricultural chemicals	55.3	57.6	62.1	55.5	58.9	33.0	35.2	39.4	32.5	35.9
2871,2	Fertilizers, complete & mixing only	—	40.0	44.6	37.4	40.7	—	26.6	30.8	23.6	26.6
286,9	Other chemical products	96.4	97.3	97.4	108.5	108.1	59.2	59.6	60.1	68.3	67.8
2892	Explosives	—	24.9	25.7	34.2	34.9	—	17.0	18.0	24.4	24.8
29	PETROLEUM AND COAL PRODUCTS	194.4	193.8	191.4	197.3	196.7	120.2	120.0	117.1	121.8	121.4
291	Petroleum refining	155.2	154.2	152.3	156.5	156.1	92.1	91.2	89.4	92.1	91.9
295,9	Other petroleum and coal products	39.2	39.6	39.1	40.8	40.6	28.1	28.8	27.7	29.7	29.5

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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
<i>Nondurable Goods--Continued</i>											
30	RUBBER AND PLASTICS PRODUCTS, N.E.C.	565.6	571.2	562.8	569.7	572.5	435.2	439.9	433.1	434.8	436.5
301	Tires and inner tubes.....	120.0	119.6	118.5	116.5	112.0	85.0	84.3	83.5	79.9	75.1
302,3,6	Other rubber products	(*)	166.8	165.1	168.2	168.7	(*)	130.7	129.2	130.4	130.3
302	Rubber footwear	-	26.0	25.7	23.1	24.2	-	22.4	22.4	19.8	20.8
307	Miscellaneous plastics products	278.0	284.8	279.2	285.0	291.8	219.3	224.9	220.4	224.5	231.1
31	LEATHER AND LEATHER PRODUCTS	303.2	324.4	317.8	328.0	336.5	257.2	277.0	271.1	280.0	288.4
311	Leather tanning and finishing	27.1	27.5	27.1	27.0	28.3	23.5	23.8	23.3	23.0	24.5
314	Footwear, except rubber	(*)	218.0	213.7	220.5	225.4	(*)	189.2	185.6	191.8	196.9
312,3,5-7,9	Other leather products	(*)	78.9	77.0	80.5	82.8	(*)	64.0	62.2	65.2	67.0
316	Luggage	-	17.1	16.6	17.8	18.5	-	13.0	12.6	13.4	14.1
317	Handbags and personal leather goods	-	35.7	34.5	34.8	35.3	-	30.2	28.9	29.5	29.7
TRANSPORTATION AND PUBLIC UTILITIES											
40	RAILROAD TRANSPORTATION	-	615.3	610.1	644.3	640.7	-	-	-	-	-
4011	Class I railroads ²	--	553.6	548.5	576.3	572.3	--	--	--	--	-
LOCAL AND INTERURBAN PASSENGER TRANSIT											
41	Local and suburban transportation	-	274.1	281.4	267.9	285.9	-	-	-	-	-
411	Taxis	-	69.0	69.7	75.1	75.9	-	64.8	65.8	70.7	71.6
412	Taxicabs	-	109.2	109.2	114.4	114.8	-	-	-	-	-
413	Intercity highway transportation	-	44.0	43.0	44.9	43.8	-	40.5	39.4	41.2	40.4
42	TRUCKING AND WAREHOUSING	1,123.0	1,096.2	1,131.2	1,103.7	-	1,012.7	986.1	1,023.6	996.6	-
421,3	Trucking and trucking terminals	-	1,035.5	1,011.2	1,044.5	1,017.0	-	937.9	913.8	949.5	922.5
422	Public warehousing	-	87.5	85.0	86.7	86.7	-	74.8	72.3	74.1	74.1
45	TRANSPORTATION BY AIR	-	336.3	332.0	344.6	350.3	-	-	-	-	-
451,2	Air transportation	-	307.5	303.5	313.2	318.2	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	18.4	17.5	18.4	18.2	-	14.5	13.6	14.7	14.5
44,47	OTHER TRANSPORTATION AND SERVICES	-	318.5	312.3	327.3	333.0	-	-	-	-	-
44	WATER TRANSPORTATION	-	211.4	207.5	219.8	226.0	-	-	-	-	-
47	TRANSPORTATION SERVICES	-	107.1	104.8	107.5	107.0	-	-	-	-	-
48	COMMUNICATION	1,142.1	1,147.8	1,152.3	1,133.7	-	900.4	897.7	905.6	888.7	-
481	Telephone communication	967.5	954.9	961.4	944.4	-	769.7	755.7	765.8	750.7	-
482	Telegraph communication ³	-	(*)	(*)	31.5	31.4	-	(*)	(*)	21.5	21.4
483	Radio and television broadcasting	-	140.6	139.4	139.0	137.9	-	114.8	113.1	110.7	109.3
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	705.3	688.0	707.3	695.2	-	605.4	589.2	610.6	599.2
491	Electric companies and systems	-	289.8	283.7	292.7	287.4	-	247.4	241.5	250.1	245.2
492	Gas companies and systems	-	166.7	161.6	167.2	165.3	-	141.8	137.0	143.3	141.5
493	Combination companies and systems	-	192.3	188.0	193.5	189.5	-	166.3	162.7	169.6	165.8
494-7	Water, steam, & sanitary systems	-	56.5	54.7	53.9	53.0	-	49.9	48.0	47.6	46.7
WHOLESALE AND RETAIL TRADE											
50	WHOLESALE TRADE	15,183	15,239	15,119	14,924	14,994	13,470	13,523	13,415	13,269	13,344
501	Motor vehicles & automotive equipment	3,922	3,892	3,854	3,902	3,872	3,282	3,250	3,217	3,283	3,258
502	Drugs, chemicals, and allied products	-	343.7	339.4	330.3	325.4	-	277.7	274.2	270.5	266.5
503	Dry goods and apparel	-	238.1	236.3	236.8	236.5	-	192.2	189.9	191.9	192.4
504	Groceries and related products	-	150.4	149.7	150.0	151.5	-	119.1	117.7	118.2	119.3
506	Electrical goods	-	559.9	550.2	569.7	560.7	-	489.4	481.6	499.5	492.9
507	Hardware; plumbing & heating equipment	-	355.6	351.5	337.9	331.1	-	300.2	296.0	285.9	280.2
508	Machinery, equipment, and supplies	-	177.0	175.3	174.9	173.3	-	149.6	147.9	148.3	146.7
509	Miscellaneous wholesalers	-	731.2	728.2	757.6	755.8	-	615.6	613.1	645.8	644.1
52-59	RETAIL TRADE	11,261	11,347	11,265	11,022	11,122	10,188	10,273	10,198	9,986	10,086
53	RETAIL GENERAL MERCHANDISE	-	2,328.1	2,323.8	2,220.0	2,250.4	-	2,130.1	2,128.2	2,033.1	2,061.8
531	Department stores	-	1,510.0	1,507.2	1,438.7	1,462.3	-	1,383.7	1,383.5	1,320.8	1,341.9
532	Mail order houses	-	112.9	113.2	118.6	120.9	-	104.8	105.3	109.4	111.8
533	Variety stores	-	331.4	330.9	308.4	312.6	-	305.1	305.6	284.2	288.9
54	FOOD STORES	1,760.5	1,767.2	1,724.3	1,731.7	-	1,636.2	1,642.0	1,603.5	1,610.4	-
541-3	Grocery, meat, and vegetable stores	1,589.8	1,597.2	1,557.0	1,560.8	-	1,477.2	1,483.3	1,447.4	1,450.9	-

See footnotes at end of table.

ESTABLISHMENT DATA
EMPLOYMENT

56

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
WHOLESALE AND RETAIL TRADE (Continued)											
56	APPAREL AND ACCESSORY STORES.....	710.3	710.4	679.9	702.3		632.3	631.9	607.4	630.1	
561	Men's & boys' clothing & furnishings.....	125.8	125.9	125.7	128.2		112.7	112.7	112.1	114.8	
562	Women's ready-to-wear stores.....	269.6	268.1	254.7	263.1		240.9	239.4	227.9	236.4	
565	Family clothing stores.....	100.6	100.0	98.3	100.9		93.0	92.3	91.0	93.9	
566	Shoe stores.....	141.5	143.4	131.8	136.8		121.2	122.7	115.5	120.2	
57	FURNITURE AND HOME FURNISHINGS STORES	456.9	454.7	450.3	451.8		396.4	395.1	392.0	394.7	
571	Furniture and home furnishings.....	291.7	290.1	285.0	286.4		251.1	250.5	246.8	248.8	
58	EATING AND DRINKING PLACES.....	2,606.4	2,561.7	2,534.4	2,561.7		2,445.4	2,400.4	2,373.6	2,401.9	
52,55,59	OTHER RETAIL TRADE.....	3,484.8	3,447.2	3,413.0	3,423.9		3,032.3	3,000.2	2,976.5	2,987.1	
52	Building materials and farm equipment.....	585.0	567.1	572.0	569.9		504.3	487.1	492.6	490.2	
55	Automotive dealers & service stations.....	1,652.9	1,626.3	1,629.3	1,623.8	-	-	-	-	-	
551,2	Motor vehicle dealers.....	772.6	765.5	772.5	771.5	-	650.1	643.8	653.7	652.7	
553,9	Other automotive & accessory dealers.....	-	251.9	244.6	236.5	-	217.1	210.6	204.3	204.3	
554	Gasoline service stations.....	-	628.4	616.2	620.3	615.7	-	-	-	-	
59	Miscellaneous retail stores.....	-	1,246.9	1,253.8	1,211.7	1,230.2	-	-	-	-	
591	Drug stores and proprietary stores.....	-	437.3	435.2	436.3	442.6	-	389.8	388.6	388.7	395.4
594	Book and stationery stores.....	-	64.8	66.1	63.4	64.5	-	55.3	56.6	54.2	55.6
596	Farm and garden supply stores.....	-	109.6	113.9	108.2	111.6	-	-	-	-	
598	Fuel and ice dealers.....	-	103.0	103.5	101.2	102.4	-	88.3	88.8	87.3	88.5
FINANCE, INSURANCE, AND REAL ESTATE⁴.....											
		3,854	3,826	3,771	3,738	3,708	3,041	3,015	2,962	2,965	2,937
60	Banking.....	-	1,083.7	1,069.0	1,067.2	1,053.6	-	886.3	872.5	881.5	869.2
61	Credit agencies other than banks.....	-	389.3	383.7	375.4	371.9	-	303.2	298.0	294.1	290.7
612	Savings and loan associations.....	-	120.4	117.6	111.0	108.7	-	96.2	93.5	88.9	86.8
614	Personal credit institutions.....	-	196.0	194.3	195.0	194.6	-	-	-	-	-
62	Security, commodity brokers & services.....	-	200.8	199.2	193.4	196.6	-	171.4	169.7	165.5	167.7
63	Insurance carriers.....	1,084.5	1,079.6	1,070.6	1,057.9	-	753.0	748.4	753.8	743.2	
631	Life insurance.....	565.7	564.3	554.3	548.4	-	335.1	333.2	330.3	325.9	
632	Accident and health insurance.....	98.3	97.5	96.3	94.9	-	84.8	83.7	82.8	81.9	
633	Fire, marine, and casualty insurance.....	-	372.5	371.0	374.8	369.8	-	293.9	293.0	303.0	298.3
64	Insurance agents, brokers, and service.....	-	284.8	281.7	279.7	277.4	-	-	-	-	-
65	Real estate.....	-	698.3	673.4	667.2	666.3	-	-	-	-	-
655	Subdividers and developers.....	-	107.7	101.4	96.2	96.0	-	-	-	-	-
656	Operative builders.....	-	47.0	43.8	42.7	43.9	-	-	-	-	-
66,67	Other finance, insurance, & real estate.....	-	84.8	84.0	84.4	84.2	-	-	-	-	-
	SERVICES.....	11,938	11,966	11,890	11,698	11,717	10,847	10,853	10,786	10,627	10,655
70	Hotels and other lodging places ¹	-	793.7	754.1	842.6	787.9	-	-	-	-	-
701	Hotels, tourist courts, and motels.....	-	692.3	661.2	717.3	700.4	-	644.3	613.0	666.2	650.3
72	Personal services.....	-	963.9	963.4	995.9	1,016.0	-	-	-	-	-
721	Laundries and dry cleaning plants.....	-	484.3	482.0	513.5	519.2	-	439.2	437.4	466.8	471.7
722	Photographic studios.....	-	35.6	37.7	36.5	38.7	-	30.7	32.9	31.1	33.1
73	Miscellaneous business services.....	-	1,580.7	1,576.4	1,558.3	1,564.1	-	-	-	-	-
731	Advertising.....	-	116.4	116.4	123.3	123.8	-	-	-	-	-
732	Credit reporting and collection.....	-	78.8	77.8	77.7	78.5	-	-	-	-	-
734	Services to buildings.....	-	302.7	301.9	297.1	294.6	-	-	-	-	-
76	Miscellaneous repair services.....	-	180.9	178.5	180.9	179.8	-	-	-	-	-
78	Motion pictures.....	-	191.0	188.9	202.9	198.6	-	-	-	-	-
781	Motion picture filming & distributing.....	-	39.8	39.4	50.6	48.4	-	25.7	25.1	33.5	32.9
782,3	Motion picture theaters and services.....	-	151.2	149.5	152.3	150.2	-	-	-	-	-
80	Medical and other health services.....	-	3,286.2	3,238.2	3,116.6	3,091.2	-	-	-	-	-
806	Hospitals.....	-	1,980.8	1,957.3	1,905.8	1,891.1	-	-	-	-	-
81	Legal services.....	-	253.7	243.1	246.7	241.1	-	-	-	-	-
82	Educational services.....	-	1,123.2	1,225.6	1,004.5	1,100.5	-	-	-	-	-
821	Elementary and secondary schools.....	-	406.7	420.0	340.1	392.4	-	-	-	-	-
822	Colleges and universities.....	-	607.1	696.5	575.3	615.3	-	-	-	-	-
89	Miscellaneous services.....	-	658.3	648.7	662.9	655.8	-	-	-	-	-
891	Engineering & architectural services.....	-	310.8	303.6	307.5	307.8	-	-	-	-	-
892	Nonprofit research agencies.....	-	111.4	109.0	106.7	106.0	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA
EMPLOYMENT

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		July 1971 p	June 1971 p	May 1971	July 1970	June 1970	July 1971 p	June 1971 p	May 1971	July 1970	June 1970
	GOVERNMENT	12,458	13,015	13,089	12,117	12,639					
91	FEDERAL GOVERNMENT⁵.....	2,689	2,674	2,659	2,700	2,710					
	Executive.....	.	2,634.5	2,620.7	2,662.9	2,672.7	-	-	-	-	-
	Department of Defense	-	999.7	999.7	1,034.5	1,044.7	-	-	-	-	-
	Post Office Department.....	-	714.1	715.7	726.8	723.9	-	-	-	-	-
	Other agencies	-	920.7	905.3	901.6	904.1	-	-	-	-	-
	Legislative.....	-	32.2	31.1	30.6	30.6	-	-	-	-	-
	Judicial	-	7.6	7.6	6.9	6.8	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	9,769	10,341	10,430	9,417	9,929					
92	State government	-	2,758.5	2,806.4	2,580.0	2,666.6	-	-	-	-	-
	State education	-	1,131.9	1,202.9	956.5	1,071.2	-	-	-	-	-
	Other State government	-	1,626.6	1,603.5	1,623.5	1,595.4	-	-	-	-	-
93	Local government	-	7,582.3	7,624.0	6,836.9	7,262.0	-	-	-	-	-
	Local education	-	4,245.8	4,406.8	3,495.6	4,028.9	-	-	-	-	-
	Other local government	-	3,336.5	3,217.2	3,341.3	3,233.1	-	-	-	-	-

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

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

³Data for nonsupervisory workers exclude messengers.

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

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

*Not available.

p = preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	April 1971		January 1971		April 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
-	TOTAL	26,273	37	26,019	37	26,166	37
-	PRIVATE SECTOR	20,573	36	20,426	36	20,661	36
-	MINING	37	6	37	6	37	6
10	METAL MINING	2.7	3	2.7	3	2.7	3
11,12	COAL MINING	2.4	2	2.5	2	2.3	2
13	OIL AND GAS EXTRACTION	26.3	10	26.2	10	26.7	10
131,2	Crude petroleum and natural gas fields	18.2	13	17.5	13	18.1	13
138	Oil and gas field services	8.1	7	8.7	7	8.6	7
14	NONMETALLIC MINERALS, EXCEPT FUELS	5.3	5	5.2	5	5.1	4
142	Crushed and broken stone	1.9	5	1.9	5	1.9	5
144	Sand and gravel	1.6	4	1.6	5	1.4	4
	CONTRACT CONSTRUCTION	166	5	168	6	166	5
15	GENERAL BUILDING CONTRACTORS	46.0	5	46.7	5	45.4	5
16	HEAVY CONSTRUCTION CONTRACTORS	28.6	4	28.6	5	29.2	4
161	Highway and street construction	9.5	3	9.8	5	10.1	3
162	Heavy construction, n e c	19.1	5	18.8	5	19.1	5
17	SPECIAL TRADE CONTRACTORS	91.5	6	92.5	6	91.5	6
171	Plumbing, heating, air conditioning	27.3	7	27.5	7	27.6	7
172	Painting, paper hanging, decorating	7.6	7	7.2	7	7.5	6
173	Electrical work	14.8	6	14.5	5	14.3	5
174	Masonry, stonework, and plastering	8.2	4	8.2	4	8.1	4
176	Roofing and sheet metal work	6.6	6	7.2	7	7.3	6
	MANUFACTURING	5,153	28	5,163	28	5,484	28
19,24,25,32-39	DURABLE GOODS	2,088	20	2,108	20	2,339	20
20-23,26-31	NONDURABLE GOODS	3,065	39	3,055	38	3,145	39
	<i>Durable Goods</i>						
19	ORDNANCE AND ACCESSORIES	46.4	23	51.5	24	65.7	25
192	Ammunition, except for small arms	34.8	25	38.6	26	49.3	27
1925	Complete guided missiles	16.0	17	16.8	18	19.0	18
1929	Ammunition, exc. for small arms, n e c	18.8	39	21.8	39	30.3	38
24	LUMBER AND WOOD PRODUCTS	58.7	10	58.0	11	62.0	11
241	Logging camps, & logging contractors	2.6	4	2.7	4	3.7	5
242	Sawmills and planing mills	11.8	6	11.7	6	12.6	6
2421	Sawmills and planing mills, general	8.5	5	8.5	5	9.0	5
243	Millwork, plywood & related products	19.7	11	18.9	12	18.9	12
2431	Millwork	10.8	14	10.3	14	9.7	14
2432	Veneer and plywood	7.2	9	7.0	10	7.4	10
244	Wooden containers	5.7	19	6.0	19	6.7	19
2441,2	Wooden boxes, shooks, and crates	4.7	19	4.9	20	5.5	20
249	Miscellaneous wood products	18.9	21	18.7	22	20.1	22
25	FURNITURE AND FIXTURES	112.5	25	111.2	25	113.5	25
251	Household furniture	87.6	27	85.8	27	86.7	27
2511	Wood household furniture	38.4	24	38.4	24	37.5	23
2512	Upholstered household furniture	27.1	31	26.4	30	26.3	31
2515	Mattresses and bedsprings	10.6	29	10.7	29	10.8	29
252	Office furniture	5.1	16	5.3	16	6.3	16
254	Partitions and fixtures	6.0	12	5.9	12	5.9	12
253,9	Other furniture and fixtures	13.8	30	14.2	30	14.6	29
32	STONE, CLAY, AND GLASS PRODUCTS	100.7	16	100.1	17	106.5	17
321	Flat glass	1.7	7	1.7	7	1.7	7
322	Glass and glassware, pressed or blown	41.5	33	41.5	33	43.5	33
3221	Glass containers	26.2	36	26.1	36	27.4	37
3229	Pressed and blown glass n e c	15.3	28	15.4	29	16.1	29
324	Cement, hydraulic	1.2	4	1.3	4	1.4	4
325	Structural clay products	6.5	12	6.3	12	6.7	11
3251	Brick and structural clay tile	1.3	5	1.3	5	1.3	5
326	Pottery and related products	13.0	32	12.9	32	14.6	33
327	Concrete, gypsum, and plaster products	10.4	6	10.4	6	11.0	6
328,9	Other stone and nonmetallic mineral products	18.9	14	18.8	14	19.7	14
3291	Abrasive products	5.0	20	5.0	20	5.4	20

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

SIC Code	Industry	April 1971		January 1971		April 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.....	87.5	7	87.5	7	95.8	7
331	Blast furnace and basic steel products	27.5	4	27.4	5	29.4	5
3312	Blast furnaces and steel mills.....	21.1	4	21.0	4	22.4	4
332	Iron and steel foundries	10.9	5	11.2	5	12.2	5
3321	Gray iron foundries	5.4	4	5.4	4	6.5	4
3322	Malleable iron foundries.....	1.0	4	1.1	5	1.2	5
3323	Steel foundries.....	4.5	8	4.7	8	4.5	7
333,4	Nonferrous metals	3.5	4	3.5	4	3.7	4
3334	Primary aluminum8	3	.8	3	.9	3
335	Nonferrous rolling and drawing	31.0	15	30.3	15	33.0	15
3351	Copper rolling and drawing	3.1	8	3.2	8	3.6	8
3352	Aluminum rolling and drawing	6.6	10	6.7	10	6.8	10
3357	Nonferrous wire drawing and insulating.....	18.4	24	17.3	23	18.9	24
336	Nonferrous foundries.....	10.0	13	10.3	14	12.0	14
3361	Aluminum castings	4.2	11	4.4	11	5.1	11
3362,9	Other nonferrous castings	5.8	16	5.9	16	6.9	17
339	Miscellaneous primary metal products.....	4.6	7	4.8	7	5.5	8
3391	Iron and steel forgings.....	2.5	6	2.7	6	2.9	6
34	FABRICATED METAL PRODUCTS.....	241.5	18	240.2	18	256.1	18
341	Metal cans	11.8	17	11.6	17	11.2	16
342	Cutlery, hand tools, and hardware	49.5	32	49.6	32	51.2	32
3421,3,5	Cutlery and hand tools, incl. saws	16.3	26	16.7	26	17.5	22
3429	Hardware, n e c	33.2	37	32.9	37	33.7	37
343	Plumbing and heating, except electric	13.1	17	12.6	16	13.2	16
3431,2	Sanitary ware & plumbers' brass goods	6.9	19	6.3	18	6.8	19
3433	Heating equipment, except electric.....	6.2	14	6.3	14	6.4	14
344	Fabricated structural metal products	41.5	10	40.6	13	41.6	10
3441	Fabricated structural steel.....	5.5	5	5.6	5	5.6	5
3442	Metal doors, sash, and trim	14.2	22	12.8	21	13.2	21
3443	Fabricated plate work (boiler shops)	8.2	7	8.2	7	8.3	7
3444	Sheet metal work	9.2	12	9.7	13	10.1	13
3446,9	Architectural and misc. metal work	4.4	10	4.3	10	4.4	9
345	Screw machine products, bolts, etc.....	20.5	20	20.8	21	24.2	21
3451	Screw machine products.....	10.1	23	10.2	23	12.0	24
3452	Bolts, nuts, rivets, and washers	10.4	19	10.6	19	12.2	19
346	Metal stampings	46.4	21	45.9	20	50.7	21
347	Metal services, n e c	15.6	19	15.6	19	17.9	20
348	Misc. fabricated wire products	15.8	25	15.8	25	16.3	25
349	Misc. fabricated metal products	27.3	18	27.7	18	29.8	19
3494,8	Valves, pipe, and pipe fittings	15.8	17	15.6	17	16.5	17
35	MACHINERY, EXCEPT ELECTRICAL.....	263.3	15	267.6	15	306.3	15
351	Engines and turbines	15.9	14	14.3	13	15.0	14
3511	Steam engines and turbines	4.6	11	3.8	11	4.4	11
3519	Internal combustion engines, n e c	11.3	16	10.5	15	10.6	15
352	Farm machinery	13.5	11	12.6	10	13.8	10
353	Construction and related machinery	25.6	9	26.2	10	27.4	9
3531,2	Construction and mining machinery	11.4	8	11.5	8	12.2	8
3533	Oil field machinery	4.3	9	4.4	10	4.4	9
3535,6	Conveyors, hoists, cranes, monorails	4.3	12	4.4	11	4.8	11
3537	Industrial trucks and tractors	2.8	9	3.1	10	3.3	9
354	Metal working machinery	31.6	12	33.0	12	39.3	12
3541	Machine tools, metal cutting types	5.2	10	5.6	10	7.4	10
3544	Special dies, tools, jigs & fixtures	7.7	8	7.5	7	9.2	7
3545	Machine tool accessories	8.5	18	9.0	18	11.3	19
3542,8	Misc. metal working machinery	10.2	15	10.9	15	11.4	14
355	Special industry machinery	21.1	12	21.4	12	24.0	12
3551	Food products machinery	4.8	12	4.9	12	5.2	12
3552	Textile machinery	4.5	14	4.3	13	5.0	13
3555	Printing trades machinery	3.7	13	3.8	13	4.4	13
356	General industrial machinery	38.7	15	39.4	15	46.6	16
3561	Pumps and compressors	8.7	13	8.9	13	10.2	13
3562	Ball and roller bearings	10.5	21	10.8	21	13.9	23
3564	Blowers and fans	5.7	19	5.7	19	6.3	20
3566	Power transmission equipment	6.0	13	6.3	13	6.9	13
357	Office and computing machines	66.0	26	68.5	26	82.0	28
3573	Electronic computing equipment	42.9	25	44.2	25	53.4	27
358	Service industry machines	22.2	17	22.7	17	24.1	17
3585	Refrigeration machinery	12.8	15	13.1	15	14.3	15
359	Misc. machinery, except electrical	28.7	14	29.5	15	34.1	15

ESTABLISHMENT DATA
WOMEN EMPLOYEES

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

SIC Code	Industry	April 1971		January 1971		April 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	671.7	38	684.6	38	769.4	39
361	Electrical test & distributing equipment	60.4	30	62.9	30	71.2	32
3611	Electric measuring instruments	25.9	41	26.9	41	31.8	43
3612	Transformers	12.4	23	12.7	23	15.0	25
3613	Switchgear and switchboard apparatus	22.1	27	23.3	27	24.4	28
362	Electrical industrial apparatus	62.2	31	63.9	31	72.2	33
3621	Motors and generators	32.5	31	33.7	31	38.5	33
3622	Industrial controls	20.3	37	20.5	37	22.7	39
363	Household appliances	42.4	24	43.7	26	46.6	25
3632	Household refrigerators and freezers	9.9	17	9.5	19	9.8	16
3633	Household laundry equipment	4.1	16	4.8	17	4.5	16
3634	Electric housewares and fans	19.3	47	19.7	47	21.8	49
364	Electric lighting and wiring equipment	83.2	43	84.2	43	92.9	44
3641	Electric lamps	29.2	65	29.6	64	30.8	65
3642	Lighting fixtures	20.7	33	20.6	33	21.7	33
3643,4	Wiring devices	33.3	39	34.0	39	40.4	41
365	Radio and TV receiving equipment	69.2	53	70.5	53	69.0	53
366	Communication equipment	156.3	35	163.0	36	180.9	36
3661	Telephone and telegraph apparatus	74.3	46	77.3	47	76.1	47
3662	Radio and TV communication equipment	82.0	29	85.7	29	104.8	30
367	Electronic components and accessories	162.8	51	161.1	51	199.1	54
3671-3	Electron tubes	27.4	46	27.7	45	30.1	46
3674,9	Other electronic components	135.4	53	133.4	52	169.0	55
369	Misc. electrical equipment & supplies	35.2	31	35.3	31	37.5	32
3694	Engine electrical equipment	18.3	32	19.1	32	19.1	31
37	TRANSPORTATION EQUIPMENT	179.2	10	185.0	10	205.3	11
371	Motor vehicles and equipment	74.7	9	74.8	8	74.7	9
3711	Motor vehicles	26.6	7	26.3	7	25.9	7
3712	Passenger car bodies	2.3	4	2.4	4	1.9	3
3713	Truck and bus bodies	2.5	7	2.7	7	2.7	7
3714	Motor vehicle parts and accessories	42.1	12	42.2	11	42.8	12
3715	Truck trailers	1.2	6	1.2	6	1.4	5
372	Aircraft and parts	76.7	14	84.8	14	103.2	14
3721	Aircraft	42.8	14	48.1	14	59.8	15
3722	Aircraft engines and engine parts	20.0	13	21.9	13	25.3	13
3723,9	Other aircraft parts and equipment	13.9	14	14.8	14	18.1	14
373	Ship and boat building and repairing	9.5	6	8.8	5	9.4	5
3731	Ship building and repairing	5.5	4	5.4	4	5.7	4
3732	Boat building and repairing	4.0	11	3.4	10	3.7	9
374	Railroad equipment	3.5	7	3.7	7	3.8	7
375,9	Other transportation equipment	14.8	13	12.9	13	14.2	14
38	INSTRUMENTS AND RELATED PRODUCTS	153.7	36	156.9	36	173.6	37
381	Engineering & scientific instruments	13.7	23	14.7	24	17.7	25
382	Mechanical measuring & control devices	34.5	36	35.7	35	40.9	36
3821	Mechanical measuring devices	18.2	30	18.7	30	22.0	31
3822	Automatic temperature controls	16.3	44	17.0	45	18.9	46
383,5	Optical and ophthalmic goods	21.0	41	20.7	41	23.1	42
385	Ophthalmic goods	16.8	48	16.4	47	17.6	49
384	Medical instruments and supplies	41.2	49	41.7	49	42.2	50
386	Photographic equipment and supplies	25.2	24	25.8	24	28.4	26
387	Watches, clocks, and watchcases	18.1	61	18.3	60	21.3	62
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	172.8	43	165.6	42	184.5	44
391	Jewelry, silverware, and plated ware	19.7	40	19.4	40	20.9	40
394	Toys and sporting goods	54.3	50	47.7	48	58.5	52
3941-3	Games, toys, dolls, & play vehicles	30.6	54	26.0	51	35.1	57
3949	Sporting and athletic goods, n.e.c.	23.7	46	21.7	45	23.4	45
395	Pens, pencils, office and art supplies	16.2	51	16.5	51	18.2	53
396	Costume jewelry and notions	28.7	54	28.5	53	31.4	55
393,9	Other manufacturing industries	53.8	34	53.5	34	55.5	34
393	Musical instruments and parts	7.9	38	7.7	37	7.8	35
<i>Nondurable Goods</i>							
20	FOOD AND KINDRED PRODUCTS	415.7	24	422.0	25	431.0	25
201	Meat products	91.8	28	94.7	28	92.2	28
2011	Meat packing plants	25.1	14	25.4	14	25.5	14
2013	Sausages and other prepared meats	17.1	28	17.3	28	16.7	29
2015	Poultry dressing plants	49.6	54	52.0	54	50.0	55
202	Dairy products	38.5	16	37.7	11	39.0	16
2024	Ice cream and frozen desserts	5.4	23	4.8	22	5.4	23

ESTABLISHMENT DATA
WOMEN EMPLOYEES

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

SIC Code	Industry	April 1971		January 1971		April 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	23.2	14	23.0	14	23.9	14	
203	Canned, cured, and frozen foods	94.6	41	94.5	40	102.3	42	
2031,6	Canned, cured, and frozen sea foods	20.7	59	18.6	58	23.5	58	
2032,3	Canned food, except sea foods	31.8	30	31.9	30	33.6	31	
2037	Frozen fruits and vegetables	30.5	49	30.2	49	33.5	51	
204	Grain mill products	19.1	14	19.5	14	19.3	14	
2041	Flour and other grain mill products	3.1	11	3.2	11	3.1	11	
2042	Prepared feeds for animals and fowls	8.7	13	8.9	14	8.6	13	
205	Bakery products	68.7	25	68.6	25	70.0	25	
2051	Bread, cake, and related products	46.6	20	47.0	21	48.6	21	
2052	Cookies and crackers	22.1	47	21.6	46	21.4	47	
206	Sugar	2.5	9	3.4	8	2.8	9	
207	Confectionery and related products	36.4	47	38.7	48	38.3	47	
2071	Confectionery products	30.2	49	32.4	51	32.1	49	
208	Beverages	29.3	13	29.6	13	30.3	13	
2082	Malt liquors	3.7	6	3.7	7	3.9	7	
2086	Bottled and canned soft drinks	12.6	10	12.4	9	12.5	10	
209	Misc. foods and kindred products	34.8	25	35.3	25	36.8	26	
21	TOBACCO MANUFACTURES	27.5	41	33.1	44	31.1	44	
211	Cigarettes	12.6	32	14.0	35	14.5	35	
212	Cigars	10.9	69	11.0	69	12.3	70	
22	TEXTILE MILL PRODUCTS	426.5	45	425.5	45	446.7	46	
221	Weaving mills, cotton	89.0	41	90.3	41	90.8	41	
222	Weaving mills, synthetics	33.3	36	33.7	36	35.6	37	
223	Weaving and finishing mills, wool	11.8	36	11.8	36	15.4	37	
224	Narrow fabric mills	17.6	59	17.3	59	17.6	58	
225	Knitting mills	150.7	67	148.6	67	161.6	68	
2251	Women's hosiery, except socks	40.1	78	42.5	77	51.2	78	
2252	Hosiery, n.e.c.	23.9	72	24.4	72	25.9	73	
2253	Knit outerwear mills	50.2	72	47.0	72	48.8	72	
2254	Knit underwear mills	21.0	71	20.3	71	21.5	71	
226	Textile finishing, except wool	22.2	27	21.9	26	22.2	27	
227	Floor covering mills	18.7	36	19.4	35	19.3	35	
228	Yarn and thread mills	63.5	47	62.6	47	62.2	47	
229	Miscellaneous textile goods	19.7	28	19.9	28	22.0	29	
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,117.6	81	1,097.1	81	1,117.8	81	
231	Men's and boys' suits and coats	82.4	73	86.8	74	93.9	72	
232	Men's and boys' furnishings	323.2	84	317.1	84	317.1	84	
2321	Men's and boys' shirts and nightwear	103.9	88	103.7	88	106.5	87	
2327	Men's and boys' separate trousers	67.3	81	66.4	81	66.0	82	
2328	Men's and boys' work clothing	73.8	83	73.3	83	70.7	83	
233	Women's and misses' outerwear	379.1	85	367.7	85	364.8	85	
2331	Women's and misses' blouses and waists	47.7	88	45.9	88	47.4	88	
2335	Women's and misses' dresses	192.0	87	181.0	87	181.7	87	
2337	Women's and misses' suits and coats	55.5	78	57.7	77	53.7	77	
2339	Women's and misses' outerwear, n.e.c.	83.9	85	83.1	86	82.0	86	
234	Women's and children's undergarments	100.2	87	98.5	87	102.3	87	
2341	Women's and children's underwear	72.2	88	70.4	88	72.6	88	
2342	Corsets and allied garments	28.0	85	28.1	85	29.7	85	
235	Hats, caps, and millinery	11.8	71	12.1	71	13.1	72	
236	Children's outerwear	65.1	87	65.1	87	66.0	87	
2361	Children's dresses and blouses	28.9	89	28.4	89	29.7	90	
237,8	Fur goods and miscellaneous apparel	51.8	76	49.2	74	54.5	75	
239	Misc. fabricated textile products	104.0	64	100.6	64	106.1	65	
2391,2	Housefurnishings	46.0	72	45.2	72	46.1	73	
26	PAPER AND ALLIED PRODUCTS	141.9	21	143.0	21	151.5	21	
261,2,6	Paper and pulp mills	23.1	11	23.4	11	24.6	11	
263	Paperboard mills	5.2	8	5.6	8	5.7	8	
264	Misc. converted paper products	64.0	35	63.6	34	66.9	35	
2643	Bags, except textile bags	13.3	32	13.4	32	14.6	34	
265	Paperboard containers and boxes	49.6	23	50.4	23	54.3	24	
2651,2	Folding and setup paperboard boxes	21.1	33	21.9	33	23.5	34	
2653	Corrugated and solid fiber boxes	14.6	14	14.6	14	15.9	15	
2654	Sanitary food containers	9.4	32	9.3	32	9.8	33	

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	April 1971		January 1971		April 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.....	352.2	32	353.0	32	359.3	32
271	Newspapers.....	97.9	27	97.9	26	97.1	26
272	Periodicals.....	34.2	48	35.8	48	35.7	48
273	Books.....	48.4	48	47.6	48	48.4	48
275	Commercial printing.....	94.5	27	94.5	27	98.0	27
2751	Commercial printing, ex. lithographic.....	57.2	27	57.5	27	59.7	27
2752	Commercial printing, lithographic.....	33.0	26	33.1	26	34.3	27
278	Blankbooks and bookbinding.....	27.9	50	28.6	50	29.8	51
274,6,7,9	Other publishing & printing ind.	49.3	35	48.6	35	50.3	35
28	CHEMICALS AND ALLIED PRODUCTS.....	207.7	20	208.1	20	216.3	20
281	Industrial chemicals.....	33.8	11	34.2	11	35.2	11
2812	Alkalies and chlorines.....	1.6	8	1.7	8	1.7	8
2818	Industrial organic chemicals, n e c	15.9	13	16.3	13	17.5	13
2819	Industrial inorganic chemicals, n e c	10.2	10	10.1	10	9.8	10
282	Plastics materials and synthetics.....	36.4	17	36.3	17	37.2	17
2821	Plastics materials and resins	8.2	9	8.5	9	9.0	9
2823,4	Synthetic fibers.....	27.2	24	26.7	24	27.1	24
283	Drugs.....	58.6	38	58.3	38	59.3	39
2834	Pharmaceutical preparations.....	48.0	40	47.7	41	49.2	42
284	Soap, cleaners, and toilet goods.....	43.2	36	43.2	36	45.2	37
2841	Soap and other detergents.....	8.8	22	8.9	22	8.8	22
2844	Toile preparations.....	24.1	52	24.5	52	26.3	53
285	Paints and allied products.....	11.1	16	10.9	16	10.9	16
287	Agricultural chemicals.....	6.2	10	6.1	11	6.1	9
2871,2	Fertilizers, complere & mixing only.....	3.3	7	3.1	8	3.4	7
286,9	Other chemical products.....	18.4	19	19.1	19	22.4	20
2892	Explosives	5.5	21	6.3	22	8.8	24
29	PETROLEUM AND COAL PRODUCTS.....	18.2	10	17.5	9	17.9	9
291	Petroleum refining.....	14.1	9	13.4	9	13.6	9
295,9	Other petroleum and coal products	4.1	11	4.1	11	4.3	11
30	RUBBER AND PLASTICS PRODUCTS, NEC	175.7	31	171.9	31	184.8	32
301	Tires and inner tubes	10.8	9	10.7	9	12.8	11
302,3,6	Other rubber products	55.9	34	56.0	34	57.3	33
302	Rubber footwear	15.1	59	14.9	59	13.3	56
307	Miscellaneous plastics products	109.0	39	105.2	39	114.7	40
31	LEATHER AND LEATHER PRODUCTS.....	181.6	57	183.6	58	189.0	57
311	Leather tanning and finishing	3.5	13	3.5	13	3.8	14
314	Footwear, except rubber	134.5	64	135.5	64	138.0	63
312,3,5-7,9	Other leather products	43.6	57	44.6	57	47.2	57
316	Luggage	8.2	49	7.8	48	9.8	50
317	Handbags and personal leather goods	23.0	67	24.3	67	22.9	60
-	TRANSPORTATION AND PUBLIC UTILITIES.....	940	21	936	21	942	21
41	LOCAL AND INTERURBAN PASSENGER TRANSIT.....	31.0	11	33.0	11	31.9	11
411	Local and suburban transportation	4.7	7	4.7	6	4.9	6
412	Taxicabs.....	5.0	5	5.2	5	5.2	5
413	Intercity highway transportation	4.0	10	4.1	10	4.1	10
42	TRUCKING AND WAREHOUSING.....	98.5	9	99.5	9	97.0	9
421,3	Trucking and trucking terminals	87.4	9	87.7	9	86.0	9
422	Public warehousing	11.1	13	11.8	13	11.0	13
45	TRANSPORTATION BY AIR	83.3	25	84.3	25	87.9	25
451,2	Air transportation	80.6	27	81.4	27	85.1	27
46	PIPE LINE TRANSPORTATION	1.4	8	1.4	8	1.4	8
44	WATER TRANSPORTATION.....	15.2	7	15.0	8	16.0	7
47	TRANSPORTATION SERVICES.....	22.9	22	22.4	22	23.0	22
48	COMMUNICATION	555.2	49	547.7	49	552.0	50
481	Telephone communication	507.2	53	499.5	54	505.4	55
483	Radio and television broadcasting	33.1	24	33.2	24	32.3	24
49	ELECTRIC, GAS, AND SANITARY SERVICES	103.5	15	103.2	15	102.3	15
491	Electric companies and systems	41.9	15	42.2	15	42.1	15
492	Gas companies and systems	27.6	17	27.3	17	27.3	17

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

SIC Code	Industry	April 1971		January 1971		April 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>							
493	ELECTRIC, GAS, AND SANITARY SERVICES-Cont'd						
494-7	Combination companies and systems.....	26.9	14	26.6	14	26.1	14
	Water, steam, & sanitary systems.....	7.1	13	7.1	13	6.8	13
	WHOLESALE AND RETAIL TRADE.....	5,924	39	5,905	40	5,866	40
50	WHOLESALE TRADE	871	23	884	23	869	23
501	Motor vehicles & automotive equipment.....	64.8	19	64.2	19	61.8	19
502	Drugs, chemicals, and allied products	83.9	35	84.4	35	81.5	35
503	Dry goods and apparel.....	69.5	47	70.1	47	69.9	47
504	Groceries and related products	113.1	21	118.0	22	114.6	21
506	Electrical goods.....	83.5	24	83.8	24	78.9	24
507	Hardware; plumbing & heating equipment.....	40.1	23	40.2	23	39.7	23
508	Machinery, equipment, and supplies.....	130.0	18	131.8	18	137.6	18
509	Miscellaneous wholesalers	271.8	22	272.8	22	271.2	22
52-59	RETAIL TRADE.....	5,053	45	5,021	45	4,997	45
53	RETAIL GENERAL MERCHANDISE.....	1,594.1	69	1,657.2	70	1,552.3	69
531	Department stores.....	1,028.8	69	1,090.8	70	1,014.6	69
532	Mail order houses	69.2	61	78.3	62	74.1	61
533	Variety stores.....	270.0	80	264.4	80	251.3	78
54	FOOD STORES	620.1	35	621.2	35	608.6	35
541-3	Grocery, meat, and vegetables stores	518.5	33	520.1	33	509.8	33
56	APPAREL AND ACCESSORY STORES.....	468.9	65	476.1	65	467.5	66
561	Men's & boys' clothing & furnishings.....	52.5	42	56.7	41	52.3	41
562	Women's ready-to-wear stores	234.0	88	238.7	88	235.1	88
563	Family clothing stores.....	67.5	68	71.1	68	69.9	70
566	Shoe stores	58.6	38	53.1	37	54.3	38
57	FURNITURE AND HOME FURNISHINGS STORES.....	134.3	30	137.5	30	136.1	30
571	Furniture and home furnishings	89.0	31	90.2	31	88.4	31
58	EATING AND DRINKING PLACES	1,392.0	55	1,285.0	55	1,411.3	57
52,55,59	OTHER RETAIL TRADE.....	843.4	25	843.9	25	821.6	24
52	Building materials and farm equipment	93.4	17	93.1	17	90.4	17
55	Automotive dealers & service stations	188.5	12	186.7	12	188.7	12
551,2	Motor vehicle dealers.....	85.5	11	83.9	11	87.0	11
553,9	Other automotive & accessory dealers.....	32.9	14	32.8	14	31.5	14
59	Miscellaneous retail stores.....	561.5	45	564.1	45	542.5	44
591	Drug stores and proprietary stores	263.6	61	271.3	61	263.3	60
594	Book and stationery stores	30.0	45	31.3	46	29.9	45
596	Farm and garden supply stores	25.1	22	22.9	21	22.9	20
598	Fuel and ice dealers	19.0	18	19.3	17	18.2	17
 FINANCE, INSURANCE, AND REAL ESTATE.....							
60	Banking	1,953	52	1,933	52	1,898	52
61	Credit agencies other than banks	678.9	64	677.9	64	655.7	63
612	Savings and loan associations	213.8	56	210.7	56	204.6	55
614	Personal credit institutions	78.0	67	76.1	67	71.1	66
62	Security, commodity brokers & services	94.4	49	94.0	48	94.2	48
63	Security carriers	67.7	34	64.1	34	72.9	35
631	Insurance carriers	558.7	52	553.8	52	541.9	52
632	Life insurance	251.2	44	248.9	44	240.0	44
633	Accident and health insurance	69.7	71	69.0	71	66.9	72
64	Fire, marine, and casualty insurance	210.5	57	209.3	57	209.6	57
65	Insurance agents, brokers, and service	161.2	58	157.2	57	156.1	57
655	Real estate	229.9	35	226.0	35	225.1	35
656	Subdividers and developers	18.6	20	17.4	22	17.9	22
66,67	Operative builders	7.4	18	7.3	19	7.4	18
	Other finance, insurance, & real estate	42.7	51	42.8	50	41.5	50
 SERVICES.....							
701	Hotels and other lodging places:	6,400	54	6,284	54	6,268	54
	Hotels, tourist courts, and motels	334.0	51	316.1	51	340.5	51
72	Personal services	582.3	61	588.1	61	620.7	62
721	Laundries and dry cleaning plants	312.9	66	317.4	65	336.1	66
722	Photographic studios	22.5	60	22.1	59	23.6	59

ESTABLISHMENT DATA
WOMEN EMPLOYEES

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

SIC Code	Industry	April 1971		January 1971		April 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	518.3	33	517.8	33	523.2	34	
731	Advertising	49.4	42	49.9	42	52.5	43	
732	Credit reporting and collection	54.3	70	53.9	70	55.2	72	
734	Services to buildings	98.0	33	96.8	33	93.4	32	
76	Miscellaneous repair services	26.1	15	26.1	15	28.0	15	
78	Motion pictures	68.4	37	65.0	36	66.3	36	
781	Motion picture filming & distributing	13.7	35	14.3	32	14.4	34	
782,3	Motion picture theaters and services	54.7	38	50.7	37	51.9	36	
80	Medical and other health services	2,606.1	81	2,568.4	81	2,456.4	81	
806	Hospitals	1,580.7	81	1,565.3	81	1,508.9	81	
81	Legal services.....	153.8	63	152.0	63	146.6	63	
82	Educational services.....	585.1	48	564.6	47	575.2	48	
821	Elementary and secondary schools	251.7	60	249.8	60	244.5	61	
822	Colleges and universities	284.0	41	267.9	40	284.1	41	
89	Miscellaneous services	158.8	24	156.9	24	159.2	24	
891	Engineering & architectural services	45.1	15	44.6	15	45.9	15	
892	Nonprofit research agencies	32.8	30	31.7	30	32.3	30	
-	GOVERNMENT.....	5,700	44	5,593	43	5,505	43	
91	FEDERAL GOVERNMENT	713	27	700	27	767	27	
92,93	STATE AND LOCAL GOVERNMENT.....	4,987	48	4,893	48	4,738	48	
92	State government.....	1,163.3	41	1,136.8	41	1,115.5	42	
	State education.....	489.5	41	472.2	40	457.1	40	
	Other State government	673.8	42	664.6	42	658.4	43	
	Local government	3,824.1	50	3,756.5	50	3,622.1	50	
	Local education	2,779.2	63	2,720.3	63	2,614.8	63	
	Other local government	1,044.9	33	1,036.2	33	1,007.3	33	

**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	Mining	Contract construction	Manufacturing	Transporta- tion and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
						Total	Whole- sale trade	Retail trade			Total	Federal	State and local
1919 -----	41.1	184.8	31.8	54.8	87.1	33.2	-	-	34.4	22.4	23.5	-	-
1920 -----	41.5	202.1	26.4	54.8	93.8	32.8	-	-	36.4	23.4	22.8	-	-
1921 -----	37.0	156.9	31.5	42.5	81.2	33.7	-	-	36.1	23.9	22.2	-	-
1922 -----	39.2	151.5	36.9	46.9	82.3	36.0	-	-	35.5	24.8	22.3	-	-
1923 -----	43.1	197.7	38.3	53.0	91.1	38.9	-	-	36.9	26.6	22.9	-	-
1924 -----	42.6	179.6	41.2	49.7	89.3	39.7	-	-	38.2	27.5	23.9	-	-
1925 -----	43.7	177.7	45.1	51.1	89.8	41.0	-	-	38.2	28.4	24.6	-	-
1926 -----	45.3	193.3	48.5	52.2	92.5	42.5	-	-	40.5	30.2	25.0	-	-
1927 -----	45.5	181.7	50.1	51.4	91.4	43.4	-	-	42.4	31.4	25.6	-	-
1928 -----	45.6	171.3	50.1	51.1	89.8	43.2	-	-	44.5	32.3	26.3	-	-
1929 -----	47.6	177.3	46.7	55.0	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2
1930 -----	44.7	164.6	42.8	49.2	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2
1931 -----	40.5	142.4	37.8	42.0	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2
1932 -----	35.9	119.2	30.2	35.6	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7
1933 -----	36.0	121.4	25.2	38.0	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0
1934 -----	39.4	144.0	26.9	43.7	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5
1935 -----	41.1	146.3	28.4	46.6	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4
1936 -----	44.2	154.3	35.7	50.5	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7
1937 -----	47.1	165.6	34.7	55.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7
1938 -----	44.4	145.4	32.9	48.5	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2
1939 -----	46.5	139.3	35.8	52.9	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6
1940 -----	49.2	150.9	40.3	56.5	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9
1941 -----	55.5	156.1	55.8	67.8	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3
1942 -----	60.9	161.8	67.6	78.6	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7
1943 -----	64.5	150.9	48.8	90.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6
1944 -----	63.6	145.5	34.1	89.1	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9
1945 -----	61.3	136.4	35.3	79.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1
1946 -----	63.3	140.6	51.8	75.6	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5
1947 -----	66.6	155.8	61.8	79.9	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3
1948 -----	68.2	162.2	67.6	80.1	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6
1949 -----	66.5	151.7	67.5	74.3	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5
1950 -----	68.7	147.0	72.7	78.4	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2
1951 -----	72.7	151.5	81.1	84.3	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1
1952 -----	74.1	146.5	82.1	85.5	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3
1953 -----	76.3	141.3	81.8	90.2	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0
1954 -----	74.4	129.0	81.4	83.9	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6
1955 -----	76.9	129.2	87.3	86.8	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5
1956 -----	79.6	134.1	93.5	88.7	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4
1957 -----	80.3	135.1	91.1	88.3	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2
1958 -----	78.0	122.5	86.6	82.0	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1
1959 -----	81.0	119.4	92.3	85.7	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4
1960 -----	82.4	116.2	89.9	86.4	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1
1961 -----	82.1	109.6	87.8	84.0	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8
1962 -----	84.4	106.0	90.5	86.7	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5
1963 -----	86.1	103.6	92.4	87.4	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1
1964 -----	88.6	103.4	95.1	88.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5
1965 -----	92.3	103.1	99.3	92.9	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7
1966 -----	97.1	102.3	102.1	98.8	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
1968 -----	103.1	98.9	102.4	101.7	101.1	103.5	102.4	103.9	104.9	105.2	103.9	100.7	105.0
1969 -----	106.7	101.0	107.1	103.7	104.0	107.6	106.0	108.2	110.3	111.0	107.1	101.4	108.8
1970 -----	107.3	101.5	104.3	99.7	105.6	109.9	109.2	110.1	114.1	114.6	110.5	99.5	114.0
1970: July	107.2	100.8	103.3	99.8	106.5	109.8	109.4	109.9	114.0	114.0	110.5	98.1	114.3
Aug	106.9	101.0	103.0	99.1	106.1	109.6	108.9	109.8	113.8	114.1	110.5	97.8	114.5
Sept	107.1	101.3	101.7	99.2	105.9	110.0	109.2	110.2	114.2	115.1	110.4	97.4	114.5
Oct	106.6	101.3	102.2	96.1	105.8	110.3	109.4	110.6	114.6	115.5	111.6	97.6	116.0
Nov	106.4	102.0	103.0	95.3	105.4	109.8	109.2	110.0	115.1	115.8	112.1	97.9	116.5
Dec	106.8	102.0	103.5	96.9	104.1	109.2	109.4	109.1	115.4	116.1	112.1	97.5	116.7
1971: Jan	107.3	102.0	101.0	96.7	105.6	111.2	109.7	111.7	116.2	116.6	112.5	97.7	117.1
Feb	107.2	101.6	99.7	96.3	106.1	111.3	109.8	111.8	116.1	116.7	112.7	97.8	117.4
Mar	107.3	101.8	101.4	96.0	106.0	111.4	110.2	111.8	116.4	116.9	113.1	97.7	117.9
Apr	107.4	101.6	102.5	96.1	105.4	111.4	110.3	111.8	116.7	116.8	113.4	97.9	118.2
May	107.6	101.5	101.7	96.4	105.5	111.8	110.7	112.2	117.2	117.0	113.7	97.9	118.6
June ^b	107.3	101.3	111.7	95.8	105.2	111.5	109.8	112.1	117.7	116.6	113.5	97.6	118.4
July ^b	107.0	98.0	99.6	95.1	105.0	111.7	109.9	112.3	117.5	116.3	113.6	97.7	118.6

^a=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

(In thousands)

Industry division and group	1971							1970						
	July P	June P	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.		July
TOTAL	70,456	70,647	70,885	70,735	70,659	70,590	70,652	70,303	70,085	70,182	70,531	70,414	70,587
GOODS-PRODUCING	22,298	22,486	22,624	22,602	22,550	22,549	22,673	22,786	22,466	22,583	23,168	23,195	23,334
MINING	601	621	622	623	624	623	625	625	625	621	621	619	618
CONTRACT CONSTRUCTION....	...	3,195	3,231	3,264	3,289	3,254	3,198	3,241	3,319	3,303	3,278	3,262	3,305	3,314
MANUFACTURING	18,502	18,634	18,738	18,690	18,672	18,728	18,807	18,842	18,538	18,684	19,285	19,271	19,402
DURABLE GOODS.....	10,517	10,606	10,663	10,623	10,607	10,662	10,717	10,756	10,455	10,602	11,145	11,134	11,217
Ordnance and accessories		198	200	201	199	201	206	214	218	223	228	237	240	243
Lumber and wood products		575	575	577	574	576	576	569	571	574	575	570	570	570
Furniture and fixtures		460	459	457	453	451	449	451	450	453	454	457	453	454
Stone, clay, and glass products		620	627	629	626	623	627	625	628	624	630	635	631	628
Primary metal industries		1,211	1,249	1,261	1,260	1,256	1,255	1,255	1,249	1,273	1,315	1,298	1,301	
Fabricated metal products		1,340	1,341	1,346	1,340	1,309	1,337	1,337	1,344	1,311	1,331	1,395	1,387	1,387
Machinery, except electrical		1,753	1,763	1,777	1,783	1,795	1,805	1,818	1,846	1,855	1,878	1,926	1,939	1,969
Electrical equipment		1,769	1,782	1,796	1,790	1,793	1,786	1,794	1,808	1,803	1,841	1,896	1,903	1,934
Transportation equipment		1,767	1,771	1,780	1,761	1,763	1,776	1,802	1,785	1,515	1,534	1,839	1,841	1,853
Instruments and related products		428	430	431	428	429	432	437	439	442	447	452	453	458
Miscellaneous manufacturing		396	409	408	409	411	413	412	413	409	412	418	419	420
NONDURABLE GOODS.....	7,985	8,028	8,075	8,067	8,065	8,066	8,090	8,086	8,083	8,082	8,140	8,137	8,185
Food and kindred products		1,748	1,762	1,774	1,769	1,777	1,784	1,783	1,780	1,779	1,769	1,779	1,784	1,789
Tobacco manufactures		71	74	76	76	74	76	75	75	77	76	76	82	81
Textile mill products		935	939	946	943	942	946	952	949	945	948	955	954	955
Apparel and other textile products		1,370	1,376	1,390	1,390	1,384	1,371	1,381	1,378	1,378	1,372	1,367	1,380	1,393
Paper and allied products		673	684	685	694	694	695	698	699	700	698	706	703	706
Printing and publishing		1,094	1,085	1,090	1,088	1,092	1,096	1,099	1,100	1,100	1,102	1,105	1,103	1,105
Chemicals and allied products		1,024	1,028	1,034	1,032	1,032	1,036	1,040	1,042	1,045	1,052	1,056	1,053	1,054
Petroleum and coal products		188	190	192	192	193	192	193	192	191	190	190	191	191
Rubber and plastics products, nec		574	568	567	563	561	555	550	553	554	557	569	567	578
Leather and leather products		308	322	321	320	316	315	319	318	320	323	324	324	333
SERVICE-PRODUCING .	..	48,158	48,161	48,261	48,133	48,109	48,041	47,979	47,517	47,619	47,599	47,363	47,219	47,253
TRANSPORTATION AND PUBLIC UTILITIES	4,474	4,484	4,494	4,491	4,516	4,521	4,499	4,437	4,493	4,509	4,511	4,520	4,539
WHOLESALE AND RETAIL TRADE....	...	15,193	15,171	15,211	15,158	15,151	15,141	15,133	14,851	14,945	15,011	14,961	14,912	14,933
WHOLESALE TRADE	3,875	3,869	3,901	3,888	3,884	3,871	3,868	3,855	3,851	3,857	3,850	3,840	3,856
RETAIL TRADE	11,318	11,302	11,310	11,270	11,267	11,270	11,265	10,996	11,094	11,154	11,111	11,072	11,077
FINANCE, INSURANCE, AND REAL ESTATE	3,790	3,796	3,779	3,764	3,753	3,745	3,746	3,723	3,711	3,696	3,684	3,670	3,676
SERVICES	11,750	11,778	11,819	11,800	11,803	11,785	11,778	11,727	11,695	11,665	11,622	11,521	11,514
Hotels and other lodging places		-	754	759	760	761	759	765	763	743	746	754	715	722
Personal services		-	949	959	954	966	968	974	984	987	988	983	989	
Medical and other health services		-	3,263	3,254	3,230	3,218	3,201	3,192	3,174	3,158	3,144	3,129	3,102	3,086
Educational services		-	1,169	1,180	1,183	1,183	1,171	1,153	1,167	1,159	1,160	1,143	1,143	1,147
GOVERNMENT	12,951	12,932	12,958	12,920	12,886	12,849	12,823	12,779	12,775	12,718	12,585	12,596	12,591
FEDERAL STATE AND LOCAL	2,657	2,653	2,662	2,662	2,657	2,659	2,656	2,650	2,661	2,654	2,649	2,659	2,668
STATE AND LOCAL	10,294	10,279	10,296	10,258	10,229	10,190	10,167	10,129	10,114	10,064	9,936	9,937	9,923

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

Major industry group	1971							1970						
	July P	June P	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.		July
TOTAL	16,516	16,673	16,776	16,746	16,666	16,658	16,754	16,848	16,514	16,604	17,179	17,201		17,327
MINING	451	470	472	472	473	473	475	473	475	472	471	469		469
CONTRACT CONSTRUCTION	2,657	2,683	2,716	2,742	2,697	2,642	2,684	2,765	2,750	2,727	2,708	2,758		2,768
MANUFACTURING	13,408	13,520	13,588	13,532	13,496	13,543	13,595	13,610	13,289	13,405	14,000	13,974		14,090
DURABLE GOODS	7,564	7,632	7,670	7,626	7,592	7,642	7,679	7,700	7,386	7,504	8,039	8,019		8,082
Ordnance and accessories	99	100	101	100	102	106	110	114	118	122	128	129		131
Lumber and wood products	497	496	497	495	496	496	492	488	492	495	495	491		491
Furniture and fixtures	379	378	376	372	370	370	371	370	373	374	377	372		373
Stone, clay, and glass products	490	497	499	497	493	496	496	499	495	500	505	500		499
Primary metal industries	955	989	1,002	999	996	992	992	990	981	1,005	1,047	1,031		1,033
Fabricated metal products.	1,020	1,019	1,024	1,020	989	1,013	1,014	1,021	985	1,002	1,067	1,060		1,058
Machinery, except electrical	1,136	1,146	1,156	1,160	1,170	1,179	1,190	1,209	1,218	1,233	1,281	1,288		1,316
Electrical equipment and supplies	1,172	1,181	1,187	1,181	1,179	1,175	1,181	1,188	1,181	1,213	1,258	1,266		1,289
Transportation equipment	1,253	1,253	1,255	1,232	1,226	1,239	1,254	1,239	967	977	1,286	1,285		1,290
Instruments and related products	257	257	257	255	255	258	261	262	264	267	273	274		278
Miscellaneous manufacturing industries .	306	316	316	315	316	318	318	320	312	316	322	323		324
NONDURABLE GOODS	5,844	5,888	5,918	5,906	5,904	5,901	5,916	5,910	5,903	5,901	5,961	5,955		6,008
Food and kindred products	1,167	1,186	1,194	1,190	1,197	1,202	1,199	1,197	1,194	1,184	1,193	1,198		1,203
Tobacco manufactures	59	62	64	64	61	63	63	62	64	63	63	69		67
Textile mill products	823	825	830	827	826	830	835	831	828	830	839	837		839
Apparel and other textile products	1,198	1,204	1,219	1,217	1,212	1,199	1,208	1,207	1,200	1,196	1,210	1,206		1,223
Paper and allied products	512	523	522	530	530	532	535	536	538	535	543	540		544
Printing and publishing	669	665	666	666	670	672	673	677	675	676	680	676		680
Chemicals and allied products	594	593	595	591	591	593	595	595	597	603	606	602		605
Petroleum and coal products	116	117	117	117	118	117	117	116	116	116	115	117		118
Rubber and plastics products, nec	444	438	437	432	431	424	420	419	419	423	436	433		444
Leather and leather products	262	275	274	272	268	269	271	270	272	275	276	277		285

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

p = preliminary.

**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			
		June 1971 p	May 1971	June 1970	June 1971 p	May 1971	June 1970	June 1971 p	May 1971	June 1970	June 1971 p	May 1971	June 1970	
1	ALABAMA	1,016.6	1,013.6	1,017.6	8.0	8.0	8.3	55.9	54.4	53.3	320.8	319.2	327.2	
2	Birmingham	268.0	266.3	263.0	5.4	5.5	5.6	17.1	16.2	15.2	73.7	72.9	73.4	
3	Huntsville	(*)	77.2	78.1	(*)	(1)	(1)	(1)	(*)	2.4	2.8	(*)	12.7	13.9
4	Mobile	(*)	103.7	107.2	(*)	(1)	(1)	(1)	(*)	6.5	6.8	(*)	23.6	25.6
5	Montgomery	69.5	69.1	69.6	(1)	(1)	(1)	5.0	4.8	5.3	10.5	10.1	10.5	
6	Tuscaloosa	38.4	38.6	36.2	(1)	(1)	(1)	2.2	2.2	2.0	10.7	10.4	9.5	
7	ALASKA	100.6	93.4	100.2	2.4	2.2	2.6	8.2	6.9	9.2	11.9	8.1	13.0	
8	ARIZONA	558.5	559.7	539.4	21.8	21.4	20.8	42.2	40.5	34.5	85.6	86.0	90.1	
9	Phoenix	331.6	332.5	319.7	.2	.2	.2	23.2	22.3	19.3	65.2	65.7	70.0	
10	Tucson	110.3	110.5	103.9	7.1	7.0	6.5	11.0	10.7	8.8	9.1	9.1	9.5	
11	ARKANSAS	546.2	538.2	537.5	4.8	4.5	4.6	28.3	26.6	28.0	168.4	166.1	167.1	
12	Fayetteville	26.8	27.4	26.6	(1)	(1)	(1)	1.4	1.5	1.2	7.6	7.3	7.8	
13	Fort Smith	46.2	46.4	47.2	.6	.6	.6	2.3	2.3	3.5	17.0	16.9	17.2	
14	Little Rock-North Little Rock	123.2	122.2	124.2	(1)	(1)	(1)	7.0	6.5	8.0	27.0	27.0	27.5	
15	Pine Bluff	23.5	23.9	23.9	(1)	(1)	(1)	.8	.8	.9	5.6	5.6	5.7	
16	CALIFORNIA	7,001.2	6,944.0	7,062.6	29.5	29.5	31.8	297.6	291.9	313.7	1,453.9	1,451.2	1,567.8	
17	Anaheim-Santa Ana-Garden Grove	429.4	427.4	429.1	1.8	1.8	1.8	23.2	23.1	23.8	114.3	114.7	122.8	
18	Bakersfield	92.4	89.8	92.6	6.1	6.1	6.5	3.6	3.5	4.0	7.9	7.8	8.1	
19	Fresno	121.6	118.6	119.5	.9	.9	.9	5.0	4.8	4.8	18.0	17.6	17.5	
20	Los Angeles-Long Beach	2,852.6	2,839.5	2,911.6	10.7	10.7	11.2	104.5	103.5	115.0	744.9	743.8	814.7	
21	Modesto	53.4	52.1	53.3	.1	.1	.1	3.1	2.9	3.3	13.0	12.3	13.1	
22	Oxnard-Ventura	95.4	95.1	95.6	1.8	1.8	1.9	4.9	4.8	5.1	12.8	13.0	13.5	
23	Sacramento	266.7	265.2	266.0	.1	.1	.1	12.5	11.8	12.1	20.7	21.0	21.9	
24	Salinas-Monterey	65.8	64.2	64.1	.5	.5	.5	2.4	2.3	2.5	7.5	7.6	7.3	
25	San Bernardino-Riverside-Ontario	300.7	300.0	297.5	2.5	2.5	2.5	14.4	14.3	14.9	51.3	51.3	52.5	
26	San Diego	389.4	386.2	390.1	.5	.5	.5	20.4	19.9	21.2	61.4	61.6	67.7	
27	San Francisco-Oakland	1,267.8	1,261.0	1,269.6	1.8	1.8	1.8	62.5	60.8	62.2	194.8	193.9	203.9	
28	San Jose	383.0	378.8	386.2	.1	.1	.2	17.4	16.9	18.4	116.7	116.2	126.1	
29	Santa Barbara	81.9	81.6	83.1	1.0	1.0	1.0	3.0	2.9	3.6	10.0	10.1	10.6	
30	Santa Rosa	52.2	51.4	51.7	.3	.3	.3	2.3	2.2	2.3	7.1	6.8	7.0	
31	Stockton	91.3	89.6	91.5	.1	.1	.1	3.4	3.2	3.4	16.7	17.1	16.2	
32	Vallejo-Napa	68.9	67.6	69.6	.2	.2	.2	2.5	2.3	2.4	7.2	6.4	7.3	
33	COLORADO	762.8	752.8	748.7	13.4	13.3	14.4	42.4	41.0	40.9	116.2	114.6	118.4	
34	Denver	493.4	490.6	483.5	4.9	4.9	5.2	30.7	29.6	28.4	85.3	84.6	86.5	
35	CONNECTICUT	1,189.2	1,180.0	1,220.7	(2)	(2)	(2)	58.2	55.1	63.9	408.1	406.3	451.8	
36	Bridgeport	147.4	146.2	149.8	(2)	(2)	(2)	6.4	6.1	6.5	62.7	62.7	67.3	
37	Hartford	322.8	322.0	327.8	(2)	(2)	(2)	17.6	16.8	17.1	88.4	89.5	103.1	
38	New Britain	44.2	44.4	46.4	(2)	(2)	(2)	2.0	2.0	2.1	22.1	22.1	24.3	
39	New Haven	159.2	156.9	161.8	(2)	(2)	(2)	9.6	8.2	8.9	39.5	39.2	43.9	
40	Stamford	83.4	82.9	85.8	(2)	(2)	(2)	3.2	4.1	4.3	26.8	26.6	29.4	
41	Waterbury	77.5	76.4	79.7	(2)	(2)	(2)	4.1	3.9	4.4	34.5	34.1	37.1	
42	DELAWARE	213.3	210.5	220.8	(1)	(1)	(1)	12.1	12.3	14.1	71.8	70.7	74.0	
43	Wilmington	189.5	188.0	197.1	(1)	(1)	(1)	11.1	11.3	13.2	67.1	66.9	70.3	
44	DISTRICT OF COLUMBIA ³	705.7	692.3	691.1	(1)	(1)	(1)	21.3	20.8	20.6	17.9	18.3	18.6	
45	Washington SMSA	1,206.2	1,185.6	1,172.8	(1)	(1)	(1)	73.8	71.7	72.3	44.3	44.1	43.7	
46	FLORIDA	2,176.2	2,186.3	2,142.2	8.1	8.0	8.5	168.3	167.6	172.3	315.6	316.6	322.1	
47	Fort Lauderdale-Hollywood	170.9	173.0	173.1	(1)	(1)	(1)	20.3	20.4	24.3	18.6	18.6	20.1	
48	Jacksonville	191.3	192.2	193.5	(1)	(1)	(1)	12.0	11.9	12.2	23.7	24.5	25.0	
49	Miami	509.6	514.1	502.3	(1)	(1)	(1)	32.9	32.8	32.2	76.5	77.9	76.9	
50	Orlando	148.8	150.0	137.0	(1)	(1)	(1)	18.6	18.9	14.4	20.8	21.0	20.1	
51	Pensacola	66.7	67.7	66.6	(1)	(1)	(1)	5.1	5.2	5.3	14.1	14.2	14.4	
52	Tampa-St. Petersburg	314.4	313.1	306.9	(1)	(1)	(1)	26.4	25.4	26.2	53.7	52.3	53.3	
53	West Palm Beach	104.5	108.4	103.6	(1)	(1)	(1)	8.6	8.4	10.2	19.9	20.0	20.3	
54	GEORGIA	(*)	1,549.9	1,554.2	(*)	7.0	7.1	(*)	80.2	79.5	(*)	449.1	466.0	
55	Atlanta	(*)	614.7	614.4	(*)	(1)	(1)	(*)	34.9	33.6	(*)	114.4	124.1	

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				
June 1971	May 1971	June 1970	June p 1971	May 1971	June 1970	June 1971 p	May 1971	June 1970	June 1971 p	May 1971	June 1970	June 1971 p	May 1971	June 1970		
55.5	54.8	56.5	190.3	189.2	190.9	42.6	42.2	41.8	132.8	131.9	131.7	210.7	213.9	207.9	1	
19.0	19.0	19.2	61.2	61.1	60.3	17.3	17.2	16.8	37.6	37.3	37.2	36.7	37.1	35.3	2	
(*)	1.7	1.7	(*)	11.6	11.4	(*)	2.0	2.0	(*)	16.9	17.5	(*)	29.9	28.8	3	
(*)	9.9	10.4	(*)	25.9	26.5	(*)	5.0	5.0	(*)	16.0	16.2	(*)	16.8	16.7	4	
4.1	4.1	4.2	15.9	15.7	15.7	4.6	4.6	4.2	10.7	10.8	10.7	18.7	19.0	19.0	5	
1.6	1.6	1.6	6.4	6.4	6.3	1.3	1.3	1.2	4.0	3.7	3.8	12.2	13.0	11.8	6	
9.8	9.3	10.2	15.4	15.0	15.1	3.3	3.3	3.0	11.5	11.4	11.5	38.1	37.2	35.6	7	
31.1	30.7	30.3	130.4	131.4	126.5	31.5	31.0	30.2	90.8	92.1	91.5	125.1	126.6	115.5	8	
18.3	18.1	17.9	82.4	83.4	80.5	23.6	23.2	22.4	55.1	56.3	53.7	63.6	63.3	55.7	9	
6.1	6.0	6.0	24.3	24.6	23.4	5.0	4.9	4.8	19.0	19.5	18.7	28.7	28.7	26.2	10	
32.9	32.5	32.6	108.8	107.5	107.3	22.2	21.7	22.0	76.7	75.6	74.6	104.1	103.7	101.3	11	
2.4	2.4	2.3	5.1	5.2	5.2	.6	.6	.6	3.6	3.5	3.3	6.1	6.9	6.2	12	
2.8	2.7	2.8	9.5	9.3	9.4	1.5	1.5	1.4	7.0	7.0	6.9	5.5	6.1	5.4	13	
9.5	9.5	9.6	27.2	27.2	27.0	8.8	8.6	8.7	19.2	18.6	18.8	24.5	24.8	24.6	14	
3.3	3.3	3.1	4.7	4.7	4.6	.9	.9	.9	3.3	3.2	3.5	4.9	5.4	5.2	15	
462.2	458.1	465.4	1,569.8	1,548.5	1,552.9	395.6	393.6	384.5	1,316.0	1,305.5	1,291.1	1,476.6	1,465.7	1,455.4	16	
15.2	15.2	14.2	104.0	103.5	101.7	23.7	23.6	22.8	76.4	74.7	73.9	70.8	70.8	68.1	17	
6.3	6.0	6.3	22.0	20.8	22.0	3.7	3.7	3.6	15.8	15.3	15.7	27.0	26.6	26.4	18	
8.2	7.8	8.0	32.1	30.2	32.1	5.4	5.4	5.4	22.0	21.8	21.7	30.0	30.1	29.1	19	
174.9	173.8	177.1	648.6	644.6	643.8	175.1	174.5	172.1	561.0	556.9	548.8	432.9	431.7	428.9	20	
2.5	2.5	2.5	11.8	11.6	11.8	1.5	1.5	1.6	10.5	10.4	10.1	10.9	10.8	10.8	21	
4.1	4.1	4.3	22.6	22.5	22.8	3.7	3.6	3.5	15.6	15.6	15.6	29.9	29.7	28.9	22	
17.8	17.6	17.4	54.3	53.9	54.0	10.8	10.8	10.5	39.6	39.7	38.5	110.9	110.3	111.5	23	
4.5	4.4	4.3	17.3	16.4	17.1	2.4	2.4	2.3	12.6	12.5	12.4	18.6	18.1	17.7	24	
17.8	17.7	17.9	69.3	69.0	66.8	10.5	10.5	10.1	57.0	57.6	55.4	77.9	77.1	77.4	25	
21.0	20.6	20.4	87.5	87.2	85.8	19.1	19.0	18.3	77.6	76.1	76.9	101.9	101.3	99.3	26	
133.2	131.6	134.6	268.7	267.2	268.0	100.8	100.5	98.2	228.7	229.3	225.6	277.3	275.9	275.3	27	
17.9	17.5	17.2	75.0	73.9	72.1	14.0	13.8	13.5	78.5	77.5	77.0	63.4	62.9	61.7	28	
3.6	3.6	3.6	18.3	18.0	18.5	3.4	3.4	3.3	20.5	20.5	20.5	22.1	22.1	22.0	29	
2.7	2.7	2.6	13.1	12.9	12.8	3.3	3.3	3.2	9.5	9.3	9.4	13.9	13.9	14.1	30	
6.8	6.8	6.9	20.5	19.3	20.9	3.1	3.1	3.1	15.7	15.2	15.5	25.0	24.8	25.4	31	
3.6	3.5	3.6	12.4	12.4	12.3	1.8	1.8	1.8	11.1	11.0	10.9	30.1	30.0	31.1	32	
53.4	52.8	52.7	180.6	177.8	175.0	40.6	40.5	40.5	135.5	132.8	132.1	180.7	180.0	174.7	33	
37.0	36.9	36.8	122.6	122.5	117.9	30.0	29.8	30.3	89.8	89.7	88.9	93.1	92.6	89.5	34	
54.9	54.9	55.4	234.9	233.3	228.9	77.5	76.5	74.5	193.8	191.8	187.6	161.9	161.9	158.8	35	
6.5	6.4	6.4	29.2	28.9	28.4	5.0	4.9	4.8	21.9	21.7	21.4	15.5	15.4	15.1	36	
13.0	12.8	12.6	65.3	65.0	62.8	45.4	45.1	43.0	48.4	48.2	45.0	44.6	44.5	44.1	37	
1.5	1.4	1.5	7.2	7.2	7.3	1.3	1.3	1.2	5.4	5.3	5.2	4.8	5.1	4.8	38	
14.6	14.5	14.5	33.2	32.9	32.5	8.7	8.6	8.4	33.6	33.4	33.9	19.9	20.2	19.8	39	
3.7	3.6	3.6	17.8	17.4	17.5	5.0	5.0	4.8	18.7	18.1	18.2	8.2	8.1	8.1	40	
3.4	3.3	3.3	13.3	13.2	13.2	2.4	2.4	2.3	10.8	10.7	10.5	9.0	8.9	8.9	41	
11.3	11.3	11.2	43.3	42.9	46.2	9.7	9.6	9.4	31.8	29.8	32.6	33.3	33.9	33.3	42	
10.0	9.9	9.9	37.4	37.2	39.2	8.7	8.6	8.5	27.2	25.5	28.3	28.0	28.6	27.7	43	
29.3	29.2	31.5	78.5	78.8	81.1	33.5	33.1	34.2	139.9	141.8	137.0	385.3	370.3	368.1	44	
60.5	59.5	61.9	231.5	230.1	228.3	70.2	69.3	70.2	260.9	261.8	255.0	465.0	449.1	441.4	45	
157.4	158.1	156.7	571.4	577.0	552.3	136.4	136.0	132.3	398.1	404.1	387.6	420.9	418.9	410.4	46	
10.1	10.1	9.5	49.6	51.1	48.7	11.4	11.4	11.5	33.5	34.1	33.2	27.4	27.3	25.8	47	
20.9	20.9	20.9	52.2	52.4	52.2	19.0	18.9	18.6	30.0	30.1	30.1	33.5	33.5	34.5	48	
56.4	56.8	56.7	135.4	137.5	132.3	33.8	33.7	32.8	114.0	115.2	112.6	60.6	60.2	58.8	49	
8.8	8.8	8.4	40.1	40.7	38.5	10.2	10.0	9.5	26.4	26.9	23.7	23.9	23.7	22.4	50	
3.7	3.7	3.7	14.3	14.2	14.2	2.7	2.6	2.7	9.1	9.3	9.1	17.7	18.5	17.2	51	
22.2	22.1	21.7	90.3	91.5	86.7	18.6	18.6	18.3	57.8	58.1	56.5	45.4	45.1	44.2	52	
5.3	5.2	5.1	26.9	28.2	26.4	6.7	7.0	6.5	21.3	22.7	19.7	15.8	16.9	15.4	53	
(*)	106.9	107.7	(*)	328.2	329.0	(*)	79.7	78.0	(*)	190.0	188.4	(*)	308.8	298.5	54	
(*)	59.3	59.7	(*)	167.7	165.4	(*)	45.5	44.3	(*)	94.1	93.0	(*)	98.8	94.3	55	

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970
1	GEORGIA (continued)												
1	Augusta	(*)	88.8	86.0	(*)	(1)	(1)	(*)	5.9	4.5	(*)	29.2	29.8
2	Columbus	(*)	69.2	69.8	(*)	(1)	(1)	(*)	3.5	4.5	(*)	18.6	19.1
3	Macon	(*)	78.4	78.0	(*)	(1)	(1)	(*)	3.8	5.2	(*)	14.0	12.9
4	Savannah.....	65.9	65.1	68.2	(1)	(1)	(1)	4.2	4.2	4.7	15.2	14.9	16.4
5	HAWAII.	302.3	295.4	296.8	(1)	(1)	(1)	22.2	22.5	25.8	27.5	24.4	29.9
6	Honolulu.....	257.6	251.3	253.3	(1)	(1)	(1)	19.3	19.6	22.8	20.5	17.7	22.6
7	IDAHO.	216.5	209.9	208.8	3.6	3.5	3.6	11.4	10.4	10.7	41.0	39.5	40.2
8	Boise.....	44.1	43.2	41.9	(1)	(1)	(1)	2.7	2.5	2.8	5.1	4.9	4.8
9	ILLINOIS	4,329.6	4,293.3	4,364.9	23.3	22.8	23.5	186.2	176.0	190.8	1,287.8	1,275.9	1,352.3
10	Chicago ⁴	2,975.4	2,946.5	2,986.3	4.4	4.3	4.6	118.7	114.3	121.0	893.8	886.5	936.6
11	Chicago-Northwestern Indiana	(*)	3,170.7	3,212.0	(*)	4.3	4.7	(*)	128.1	132.9	(*)	994.8	1,047.3
12	Davenport-Rock Island-Moline	(*)	131.4	133.7	(*)	(2)	(2)	(*)	6.6	6.7	(*)	40.9	43.3
13	Pecoria	(*)	128.5	132.2	(*)	(2)	(2)	(*)	7.6	8.6	(*)	45.0	49.2
14	Rockford.....	(*)	104.8	109.7	(*)	(2)	(2)	(*)	4.2	3.1	(*)	48.7	54.4
15	INDIANA	1,845.0	1,836.5	1,874.4	7.4	7.2	7.2	73.5	71.2	81.6	703.2	696.6	726.0
16	Evansville.....	91.5	91.0	89.6	1.4	1.4	1.5	4.3	4.3	2.9	35.3	35.2	35.1
17	Fort Wayne	118.4	118.0	119.8	(1)	(1)	(1)	4.5	4.7	5.5	42.9	42.7	44.2
18	Gary-Hammond-East Chicago ⁴	222.9	222.4	225.7	(1)	(1)	(1)	11.8	11.6	11.9	107.9	107.5	110.7
19	Indianapolis	414.4	412.4	423.5	(1)	(1)	(1)	17.9	17.6	19.7	122.9	122.2	128.6
20	Muncie	46.4	46.9	47.2	(1)	(1)	(1)	1.7	1.7	1.9	17.4	17.6	18.9
21	South Bend	92.4	91.6	95.4	(1)	(1)	(1)	3.7	3.5	4.1	30.4	30.0	33.0
22	Terre Haute	54.9	56.3	55.1	1.2	1.2	1.0	3.0	3.0	3.2	15.2	15.3	15.6
23	IOWA	890.8	882.9	891.7	3.2	3.1	3.2	44.0	39.9	45.7	204.6	201.6	214.0
24	Cedar Rapids	63.6	63.0	63.9	(1)	(1)	(1)	3.6	2.7	2.7	22.6	22.3	24.7
25	Des Moines	130.1	130.6	131.3	(1)	(1)	(1)	6.3	6.5	6.3	24.1	24.2	25.7
26	Dubuque	34.1	34.2	33.6	(1)	(1)	(1)	2.0	1.8	1.6	13.8	13.5	14.0
27	Sioux City	41.8	41.9	41.3	(1)	(1)	(1)	2.4	2.4	1.3	9.8	9.6	10.3
28	Waterloo	49.3	49.6	48.6	(1)	(1)	(1)	2.3	2.2	2.2	17.2	17.3	17.1
29	KANSAS	674.8	672.7	681.8	10.7	10.5	11.2	30.8	29.0	32.7	126.8	125.0	138.3
30	Topeka	63.1	62.5	63.3	.1	.1	.1	2.7	2.7	2.9	10.0	9.9	9.8
31	Wichita	131.4	131.5	138.7	2.3	2.2	2.5	6.5	6.1	6.2	32.5	33.4	39.0
32	KENTUCKY	941.0	941.1	920.5	30.3	30.2	27.9	57.9	55.4	51.3	247.0	246.3	254.0
33	Lexington	79.3	78.9	77.8	(1)	(1)	(1)	4.7	4.5	5.2	14.9	14.9	16.3
34	Louisville	329.2	330.8	334.9	(1)	(1)	(1)	17.7	17.1	16.5	104.5	104.7	117.0
35	LOUISIANA	1,049.5	1,046.2	1,047.9	50.6	50.1	51.3	74.2	74.4	76.9	172.7	170.5	176.7
36	Baton Rouge	104.1	104.5	102.0	.5	.5	.5	11.9	12.3	11.8	18.1	18.0	18.5
37	Lake Charles	40.2	40.9	40.6	1.5	1.5	1.4	4.5	4.5	5.5	9.2	9.0	9.0
38	Monroe	37.8	37.8	36.1	.4	.4	.4	3.2	3.1	2.8	6.6	6.5	6.5
39	New Orleans	374.0	373.5	375.9	12.8	12.7	14.2	24.0	23.5	23.2	53.7	52.3	54.9
40	Shreveport	92.1	92.9	92.1	3.6	3.6	3.9	5.5	5.4	6.0	16.8	16.6	16.4
41	MAINE	336.1	327.7	341.6	(1)	(1)	(1)	18.1	16.3	18.8	105.4	102.5	112.7
42	Lewiston-Auburn	28.5	27.9	29.6	(1)	(1)	(1)	1.5	1.5	1.6	12.4	12.0	13.6
43	Portland	65.6	64.4	65.9	(1)	(1)	(1)	3.8	3.6	3.8	13.1	12.7	14.3
44	MARYLAND ³	1,335.2	1,320.3	1,319.6	1.9	1.9	2.1	94.9	89.0	92.8	257.8	256.0	275.7
45	Baltimore	818.6	812.4	816.4	.3	.3	.3	46.8	43.8	45.5	186.5	186.3	199.0
46	MASSACHUSETTS	2,239.2	2,215.9	2,282.9	(1)	(1)	(1)	101.1	95.6	101.5	598.0	593.0	653.7
47	Boston	1,289.1	1,281.8	1,317.2	(1)	(1)	(1)	58.0	55.4	60.1	260.8	259.6	284.1
48	Brockton ⁵	52.8	52.2	53.6	-	-	-	2.2	2.0	2.4	15.3	15.1	17.3
49	Fall River ⁵	46.3	45.8	47.1	(1)	(1)	(1)	(1)	(1)	(1)	20.2	20.2	20.6
50	Lawrence-Haverhill	83.3	83.0	86.4	(1)	(1)	(1)	2.5	2.3	2.7	37.4	37.1	40.9
51	Lowell	54.0	53.2	55.0	(1)	(1)	(1)	3.0	2.7	3.0	19.3	19.0	20.6
52	New Bedford ⁵	57.0	56.1	58.2	(1)	(1)	(1)	1.7	1.6	2.0	25.4	24.9	27.1
53	Springfield-Chicopee-Holyoke	189.5	187.1	196.1	(1)	(1)	(1)	8.0	7.4	8.5	60.7	59.6	67.8
54	Worcester ⁵	127.7	126.6	133.1	(1)	(1)	(1)	5.6	5.4	6.4	40.5	40.1	46.7

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			
June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	
(*)	3.8	3.8	(*)	15.6	14.9	(*)	3.1	3.1	(*)	10.5	10.5	(*)	20.7	19.4	1
(*)	3.4	3.2	(*)	13.6	13.4	(*)	4.1	4.0	(*)	9.5	9.2	(*)	16.5	16.4	2
(*)	3.3	3.5	(*)	15.3	14.5	(*)	4.3	4.2	(*)	9.4	9.4	(*)	28.3	28.3	3
7.2	6.9	7.0	14.8	14.6	15.4	3.4	3.4	3.3	9.5	9.5	9.8	11.6	11.6	11.6	4
23.7	23.4	24.2	69.8	68.9	68.3	19.1	18.7	18.3	60.3	59.3	57.5	79.7	78.2	72.8	5
20.1	19.9	20.6	59.3	58.5	58.5	17.5	17.0	16.7	51.1	50.2	48.4	69.8	68.4	63.7	6
14.7	14.4	14.3	51.1	50.2	49.6	8.3	8.2	8.0	34.8	33.3	32.7	51.6	50.4	49.7	7
3.4	3.3	3.2	11.6	11.6	11.6	3.0	2.9	2.8	7.1	7.1	6.6	11.2	10.9	10.1	8
287.9	286.2	274.0	941.4	936.6	941.6	240.8	237.5	236.3	707.4	703.3	690.4	654.8	655.0	656.0	9
211.0	208.9	193.1	671.7	665.2	667.2	188.2	185.7	184.7	518.2	515.4	508.0	369.4	366.2	371.1	10
(*)	224.0	207.3	(*)	702.0	704.1	(*)	191.7	191.0	(*)	537.3	530.7	(*)	388.6	393.9	11
(*)	7.3	7.4	(*)	29.5	29.5	(*)	5.2	5.2	(*)	19.2	18.4	(*)	22.7	23.3	12
(*)	7.1	7.4	(*)	28.2	27.7	(*)	5.3	5.4	(*)	19.2	18.4	(*)	16.0	15.5	13
(*)	3.4	3.5	(*)	20.5	20.9	(*)	3.1	3.2	(*)	14.6	14.2	(*)	10.3	10.4	14
98.8	98.7	102.5	369.6	368.2	370.5	75.9	75.1	76.7	223.5	222.6	220.7	293.0	297.1	289.3	15
5.2	5.2	5.4	19.4	19.4	19.3	3.2	3.2	3.2	13.9	13.5	13.7	8.8	8.8	8.5	16
8.6	8.4	8.4	27.8	28.0	27.4	6.8	6.7	6.6	15.3	15.2	15.4	12.5	12.3	12.3	17
14.3	14.2	14.2	36.5	36.4	36.9	6.3	6.3	6.3	23.1	23.5	22.9	23.0	22.9	22.8	18
28.3	28.3	29.1	93.2	93.0	93.8	29.1	28.8	29.1	55.1	55.1	55.2	67.9	67.4	68.0	19
2.4	2.4	2.4	9.4	9.4	8.8	1.4	1.4	1.5	5.2	5.1	5.2	8.9	9.3	8.5	20
4.8	4.8	5.0	21.0	20.9	21.1	5.0	5.0	5.0	16.4	16.3	16.6	11.1	11.1	10.6	21
4.2	4.2	4.2	13.0	13.0	13.1	1.8	1.8	1.8	6.5	6.5	6.5	10.0	11.3	9.7	22
51.5	50.4	51.6	215.4	215.2	210.6	42.8	41.9	41.9	150.5	150.4	147.3	178.9	180.5	177.3	23
3.3	3.3	3.2	13.7	13.6	13.7	3.1	3.1	3.1	9.8	10.3	9.5	7.4	7.6	7.1	24
9.6	9.5	9.5	32.2	32.4	33.1	15.6	15.2	15.1	22.3	23.0	22.1	20.0	19.9	19.5	25
1.7	1.7	1.7	7.0	6.9	6.8	1.0	1.0	.9	5.7	6.4	5.8	3.0	2.9	2.7	26
3.1	3.1	3.3	11.7	11.7	11.4	2.1	2.0	2.1	7.1	7.5	7.5	5.4	5.5	5.3	27
2.3	2.3	2.4	10.8	10.8	10.6	1.4	1.4	1.5	7.2	7.2	7.2	8.0	8.5	7.5	28
53.7	52.3	53.8	161.2	160.8	160.2	31.4	30.8	30.5	105.9	106.1	104.8	154.3	158.2	150.3	29
7.0	7.0	7.2	13.0	13.0	12.7	4.1	4.1	4.0	10.4	10.3	10.3	16.0	15.5	16.5	30
7.6	7.6	8.0	30.7	30.5	32.0	6.8	6.7	7.0	24.9	24.6	25.3	20.3	20.6	18.9	31
59.6	59.2	60.0	184.7	185.5	180.7	37.0	36.2	35.8	141.9	142.6	137.9	182.6	185.7	172.9	32
4.4	4.4	4.3	15.8	15.9	15.5	3.7	3.6	3.7	13.7	13.7	12.7	22.1	21.9	20.1	33
23.2	23.2	23.7	72.9	73.4	69.8	17.4	17.2	17.1	49.9	50.3	48.2	43.6	45.0	42.5	34
93.0	92.7	92.5	229.1	228.9	229.3	50.6	50.0	49.8	160.3	156.9	158.8	219.0	222.7	212.6	35
5.2	5.2	4.9	21.4	21.4	21.2	5.8	5.7	5.5	14.3	14.2	14.2	26.9	27.2	25.4	36
2.9	2.9	2.9	8.6	8.5	8.4	1.4	1.4	1.4	5.9	6.0	5.7	6.2	7.1	6.3	37
2.2	2.2	2.2	9.9	9.7	9.6	2.4	2.4	2.4	5.5	5.5	5.3	7.6	8.0	6.9	38
45.3	45.2	46.3	90.4	90.4	89.8	22.8	22.8	22.9	65.8	67.8	66.6	59.2	58.8	58.0	39
9.2	9.1	9.3	22.9	22.9	22.9	4.5	4.5	4.5	14.9	15.0	14.5	14.7	15.8	14.7	40
17.8	17.6	18.1	66.9	65.6	67.3	12.8	12.6	12.4	45.0	43.2	44.8	70.1	69.9	67.5	41
1.1	1.0	.9	6.2	6.2	6.3	.9	.9	.9	4.2	4.2	4.2	2.2	2.1	2.1	42
5.6	5.5	5.5	17.5	17.4	17.6	5.7	5.6	5.4	11.4	11.0	11.6	8.5	8.6	7.7	43
83.0	82.1	81.7	320.8	316.6	307.6	71.4	70.2	69.7	248.9	246.2	240.1	256.5	258.3	249.9	44
58.4	57.8	57.6	181.2	179.8	176.7	44.6	44.0	44.1	140.7	140.2	136.5	160.1	160.2	156.7	45
118.5	116.6	119.5	491.0	489.2	493.1	131.2	130.3	130.7	489.0	483.4	479.0	310.4	307.8	305.4	46
73.6	72.5	76.1	301.9	303.1	305.0	95.6	94.6	96.5	320.8	319.0	317.0	178.4	177.6	178.4	47
4.1	3.9	4.0	13.1	13.1	12.9	1.5	1.5	1.5	7.7	7.8	7.3	8.9	8.8	8.2	48
2.1	2.0	2.2	10.2	10.1	10.2	(1)	(1)	(1)	9.1	8.9	9.3	4.7	4.6	4.8	49
2.8	2.8	2.7	14.8	15.1	15.2	2.5	2.4	2.4	10.8	10.7	10.4	12.5	12.6	12.1	50
2.1	2.1	2.0	11.7	11.6	11.6	1.4	1.4	1.4	9.6	9.5	9.4	6.9	6.9	7.0	51
3.3	3.3	3.2	11.5	11.4	11.3	(1)	(1)	(1)	9.8	9.7	9.5	5.3	5.2	5.1	52
9.1	9.0	9.0	40.2	39.9	40.8	9.6	9.6	9.7	35.9	35.8	34.9	26.0	25.8	25.4	53
7.0	7.0	7.1	27.2	26.9	26.5	7.0	7.0	7.1	23.6	23.5	22.8	16.8	16.7	16.5	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing			
		June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	
1	MICHIGAN	3,003.2	2,992.3	3,044.9	12.9	12.6	12.7	111.1	107.4	107.4	1,052.5	1,046.6	1,114.9	
2	Ann Arbor ⁵	105.0	106.2	101.6	(1)	(1)	(1)	2.7	2.5	2.9	37.1	37.1	33.8	
3	Battle Creek ⁵	60.4	59.9	61.5	(1)	(1)	(1)	1.7	1.7	1.8	24.3	23.9	25.4	
4	Bay City ⁵	30.3	30.7	30.3	(1)	(1)	(1)	1.4	1.4	1.0	11.0	11.0	11.2	
5	Detroit	1,497.5	1,493.5	1,534.3	.8	.8	.9	59.3	58.3	56.2	536.0	533.9	574.9	
6	Flint ⁵	164.2	164.1	171.4	(1)	(1)	(1)	3.7	3.4	4.2	78.1	77.7	81.4	
7	Grand Rapids ⁵	190.0	189.1	192.6	(1)	(1)	(1)	8.2	7.6	9.0	69.7	69.2	73.2	
8	Jackson ⁵	44.5	44.2	45.6	(1)	(1)	(1)	1.7	1.6	1.7	15.9	15.7	16.8	
9	Kalamazoo ⁵	71.2	70.9	72.7	(1)	(1)	(1)	3.2	3.0	3.1	26.5	26.5	28.5	
10	Lansing ⁵	133.1	133.2	137.4	(1)	(1)	(1)	6.7	6.5	5.5	37.4	36.9	37.8	
11	Muskegon-Muskegon Heights ⁵	48.8	47.2	52.1	(1)	(1)	(1)	1.5	1.5	1.7	21.5	20.0	25.0	
12	Saginaw ⁵	74.9	75.4	72.3	(1)	(1)	(1)	3.5	3.4	2.2	33.3	33.3	31.8	
13	MINNESOTA	1,313.0	1,298.2	1,317.2	15.2	14.4	15.2	68.1	64.6	66.9	304.9	297.4	319.4	
14	Duluth-Superior	56.1	55.4	57.1	(1)	(1)	(1)	2.5	2.3	2.7	9.2	9.2	10.2	
15	Minneapolis-St. Paul	781.8	776.9	793.0	(1)	(1)	(1)	38.9	37.7	36.4	194.3	193.0	209.3	
16	MISSISSIPPI	583.9	585.5	576.4	6.6	6.4	6.6	35.3	33.2	35.9	185.9	184.1	181.6	
17	Jackson	93.4	93.7	91.4	.7	.7	.7	5.7	5.0	6.2	14.0	13.7	13.5	
18	MISSOURI	1,636.0	1,630.0	1,666.8	8.2	8.1	8.7	74.5	73.1	71.3	423.8	421.1	449.3	
19	Kansas City	520.2	515.2	511.1	.5	.5	.5	27.1	25.7	19.4	120.9	120.2	129.6	
20	St. Joseph	31.8	31.4	32.3	(2)	(2)	(2)	1.7	1.6	1.6	9.2	9.0	10.2	
21	St. Louis	897.4	888.5	913.1	2.2	2.2	2.3	41.4	40.6	41.1	262.1	260.6	279.9	
22	Springfield	56.2	56.3	57.2	.1	.1	.1	2.2	2.9	3.5	15.5	15.1	15.3	
23	MONTANA	210.4	202.8	209.7	6.9	6.7	7.0	12.1	11.2	13.1	24.0	23.2	24.1	
24	Billings	30.5	29.7	29.8	(1)	(1)	(1)	1.9	1.7	1.9	3.4	3.3	3.2	
25	Great Falls	25.5	24.7	25.8	(1)	(1)	(1)	2.0	1.7	2.2	2.8	2.8	3.1	
26	NEBRASKA	489.7	488.6	486.2	1.9	1.8	1.7	23.9	24.6	27.2	83.1	81.9	86.6	
27	Lincoln	73.0	72.6	71.8	-	-	-	4.2	3.9	3.7	10.6	10.3	10.3	
28	Omaha	212.6	213.5	211.8	(2)	(2)	(2)	9.4	11.2	12.2	37.3	37.5	40.7	
29	NEVADA	211.2	207.1	204.9	4.2	4.0	4.3	12.8	12.6	12.2	8.6	8.6	8.4	
30	Las Vegas	115.3	114.3	111.7	.2	.2	.1	7.7	7.8	7.3	4.3	4.3	4.2	
31	Reno	60.1	59.0	56.5	.2	.2	.2	3.9	3.8	3.6	3.1	3.0	2.9	
32	NEW HAMPSHIRE	264.4	254.1	268.9	.4	.4	.4	13.1	12.1	13.9	86.3	85.9	94.4	
33	Manchester	49.8	49.0	49.9	(1)	(1)	(1)	2.5	2.3	2.7	16.5	16.2	16.5	
34	NEW JERSEY	2,633.1	2,597.4	2,656.8	3.5	3.4	3.5	128.3	125.3	127.9	829.8	823.8	876.0	
35	Atlantic City	65.7	62.1	65.9	-	-	-	3.4	3.1	3.7	10.5	10.3	10.8	
36	Camden ⁶	260.6	259.7	253.7	.1	.1	.1	14.7	14.1	14.8	72.0	71.0	71.2	
37	Jersey City ⁷	252.7	252.2	261.6	-	-	-	7.3	7.3	7.4	102.8	101.9	109.1	
38	Long Branch	122.1	118.6	122.5	.1	.1	.1	6.0	5.8	6.5	20.9	20.7	21.7	
39	Newark ⁷	792.3	787.3	806.7	.8	.8	.8	35.5	34.8	34.2	234.9	233.4	254.0	
40	Paterson-Clifton-Passaic ⁷	512.1	506.1	514.1	.3	.3	.3	23.8	22.9	23.0	180.4	178.4	190.5	
41	Perth Amboy ⁷	281.9	280.6	283.0	.9	.9	.9	13.2	13.0	13.9	110.7	111.4	117.5	
42	Trenton	134.3	134.3	133.7	(1)	(1)	(1)	4.2	4.3	4.2	37.9	38.2	40.7	
43	NEW MEXICO	302.8	297.0	294.8	17.1	16.6	17.3	18.2	17.8	16.3	21.3	21.1	21.4	
44	Albuquerque	112.5	110.6	107.8	(1)	(1)	(1)	7.9	7.6	6.9	9.6	9.2	9.3	
45	NEW YORK	(*)	7,121.1	7,267.2	(*)	8.4	8.5	(*)	275.0	283.0	(*)	1,673.1	1,791.9	
46	Albany-Schenectady-Troy	281.3	281.4	281.4	(1)	(1)	(1)	14.6	13.6	15.2	59.9	60.8	62.0	
47	Binghamton	102.8	102.4	107.5	(1)	(1)	(1)	4.1	4.0	5.4	39.7	39.6	44.1	
48	Buffalo	493.4	491.5	505.5	(1)	(1)	(1)	19.0	18.9	18.9	163.3	162.5	174.5	
49	Elmira	37.4	37.0	39.4	(1)	(1)	(1)	1.7	1.7	2.3	14.1	13.9	15.7	
50	Monroe County ⁸	304.9	301.4	307.4	(1)	(1)	(1)	16.5	15.2	10.2	123.6	122.2	134.0	
51	Nassau and Suffolk Counties ⁹	749.5	739.0	748.7	(1)	(1)	(1)	43.1	41.7	40.6	139.8	140.4	156.8	
52	New York-Northeastern New Jersey	(*)	6,655.1	6,779.1	(*)	4.6	4.6	(*)	256.2	257.3	(*)	1,586.8	1,694.8	
53	New York SMSA ⁷	(*)	4,828.3	4,914.4	(*)	2.5	2.6	(*)	178.4	178.8	(*)	961.5	1,023.5	
54	New York City ⁹	(*)	3,714.7	3,788.5	(*)	1.9	1.9	(*)	111.1	114.1	(*)	733.9	774.4	
55	Rochester	345.6	342.0	347.9	(1)	(1)	(1)	17.9	16.4	11.3	135.9	134.5	146.5	
56	Rockland County ⁹	64.5	63.7	64.1	(1)	(1)	(1)	4.4	4.1	3.8	14.5	14.4	15.5	
57	Syracuse	227.1	225.4	227.0	(1)	(1)	(1)	10.9	10.1	10.3	59.9	59.2	64.2	
58	Utica-Rome	113.0	113.7	117.9	(1)	(1)	(1)	4.1	4.4	4.4	38.0	38.7	41.5	
59	Westchester County ⁹	317.3	311.6	313.1	(1)	(1)	(1)	22.0	21.5	20.3	72.8	72.8	76.9	

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	
152.0	150.8	153.1	602.8	600.9	594.7	120.7	119.9	120.6	430.7	429.0	429.5	520.5	525.2	512.1	1
2.4	2.4	2.4	12.5	12.7	12.8	2.6	2.6	2.5	11.2	11.0	11.2	36.3	37.8	35.9	2
2.5	2.5	2.7	9.5	9.5	9.4	3.5	3.5	3.5	8.0	8.0	7.8	10.9	10.9	10.8	3
1.3	1.5	1.8	7.3	7.3	7.2	.8	.8	.8	3.8	3.8	3.8	4.7	4.8	4.6	4
85.1	84.3	83.5	302.3	302.3	304.9	69.5	68.7	70.1	225.6	224.6	226.2	218.8	220.6	217.5	5
5.5	5.5	5.7	32.6	33.0	34.3	4.3	4.3	4.2	17.1	16.9	16.7	22.9	23.3	25.0	6
9.8	9.6	10.4	45.7	46.0	44.8	7.3	7.3	7.4	27.0	27.0	26.5	22.4	22.5	21.2	7
3.7	3.7	4.3	8.4	8.4	8.3	1.5	1.5	1.5	5.3	5.3	5.1	8.1	8.1	8.0	8
2.5	2.4	2.6	13.9	13.8	13.7	2.3	2.3	2.3	9.1	9.1	9.2	13.6	13.7	13.2	9
3.2	3.5	3.6	22.2	22.5	22.8	5.7	5.7	5.7	14.5	14.3	16.9	43.4	43.8	45.3	10
2.6	2.5	2.7	8.7	8.7	8.5	1.3	1.3	1.3	6.4	6.4	6.2	6.8	6.8	6.8	11
2.9	3.3	3.8	14.2	14.1	14.1	2.7	2.7	2.5	9.2	9.2	9.0	9.1	9.5	8.9	12
89.8	89.3	90.6	313.2	310.8	315.0	64.8	64.2	64.5	215.5	216.3	213.4	241.4	241.2	232.3	13
7.7	7.4	7.8	13.4	13.2	13.4	1.9	1.9	1.9	10.8	10.9	10.8	10.5	10.5	10.4	14
58.5	58.0	58.6	187.7	185.9	190.1	47.6	47.3	47.8	143.0	143.7	141.8	111.8	111.3	109.0	15
29.9	29.7	30.1	107.9	107.7	106.5	21.4	21.3	21.2	68.5	67.7	68.0	128.3	135.4	126.5	16
6.0	6.0	6.0	22.5	22.6	22.0	7.2	7.2	7.1	15.6	16.6	15.3	21.7	22.0	20.6	17
123.6	121.2	128.9	368.5	366.9	376.4	90.8	89.7	88.5	262.6	260.4	262.2	284.0	289.5	281.5	18
49.6	49.6	51.6	128.5	127.1	124.5	33.4	32.8	32.7	85.5	84.1	82.2	74.7	75.2	70.6	19
2.1	2.0	2.1	7.9	7.8	7.7	1.4	1.4	1.4	5.0	4.9	4.9	4.5	4.7	4.4	20
65.6	65.2	69.5	194.6	192.2	192.7	47.5	47.1	47.0	153.6	153.3	152.9	130.4	127.3	127.7	21
4.6	4.5	4.5	14.2	14.0	14.0	2.2	2.2	2.1	9.2	9.3	9.2	8.2	8.2	8.5	22
17.7	17.3	17.9	51.1	49.2	50.1	8.3	8.2	8.2	34.8	33.1	35.0	55.5	53.9	54.3	23
2.5	2.5	2.7	9.5	9.3	9.3	1.5	1.5	1.5	6.1	5.9	5.9	5.6	5.5	5.3	24
2.1	2.1	2.2	6.7	6.6	6.4	1.5	1.5	1.5	4.8	4.7	4.9	5.6	5.3	5.5	25
37.0	36.4	38.0	124.0	123.4	120.8	30.5	29.9	29.4	84.6	84.7	82.4	104.7	105.9	100.0	26
5.3	5.0	5.2	15.0	14.7	14.7	5.7	5.6	5.4	11.1	11.5	11.2	21.1	21.2	21.2	27
20.7	20.3	21.0	55.8	55.5	53.3	17.4	17.1	16.9	39.3	39.2	39.0	32.5	32.7	28.7	28
14.2	14.2	13.9	41.2	40.3	39.4	8.1	8.0	8.0	84.5	81.0	81.2	37.6	38.4	37.5	29
7.4	7.4	7.2	22.6	22.3	21.4	4.2	4.2	4.1	52.5	51.6	51.0	16.4	16.5	16.4	30
4.8	4.8	4.7	13.4	13.0	12.5	3.1	3.1	3.0	21.3	20.3	19.6	10.3	10.8	10.0	31
12.1	11.9	11.8	52.4	51.4	51.6	11.8	11.6	11.2	49.3	42.4	47.9	39.0	38.4	37.7	32
3.6	3.5	3.5	11.5	11.4	11.8	3.3	3.3	3.2	8.2	8.2	8.1	4.2	4.1	4.1	33
177.1	178.1	183.4	557.1	544.3	544.0	122.4	120.8	117.7	430.4	420.1	425.5	384.5	381.6	378.8	34
3.5	3.5	3.7	18.4	16.7	18.1	2.9	2.9	2.9	15.9	14.5	15.9	11.1	11.1	10.8	35
13.0	13.1	13.1	63.6	63.8	59.1	9.8	9.7	9.4	38.8	39.8	39.0	48.6	48.1	47.0	36
33.4	34.1	35.6	40.6	40.4	39.6	8.2	8.1	8.5	30.7	30.7	31.0	29.7	30.4	30.4	37
6.4	6.1	6.2	28.7	28.6	28.1	4.3	4.3	4.3	27.5	25.2	28.1	28.2	27.8	27.5	38
62.0	63.1	65.0	154.3	153.1	153.1	57.1	56.7	54.5	139.8	138.2	138.4	107.9	107.2	106.7	39
26.8	26.8	27.4	127.2	125.9	122.7	19.9	19.6	18.9	79.5	78.5	79.1	54.2	53.7	52.2	40
14.8	14.9	14.5	57.6	56.7	54.3	6.4	6.3	6.1	32.2	31.8	30.9	46.1	45.6	44.9	41
6.6	6.5	6.3	20.6	20.5	20.4	5.3	5.3	5.2	30.1	30.3	28.7	29.6	29.2	28.2	42
20.6	20.6	20.0	63.1	62.1	61.6	12.8	12.7	12.5	57.0	54.2	56.0	92.7	91.9	89.7	43
7.0	7.0	6.9	27.4	26.9	26.2	6.8	6.7	6.5	25.9	25.4	25.4	27.8	27.8	26.6	44
(*)	500.1	513.3	(*)	1,450.4	1,463.7	(*)	601.0	603.2	(*)	1,378.5	1,373.6	(*)	1,234.8	1,230.0	45
16.4	16.2	16.3	57.2	56.7	55.7	11.4	11.3	11.2	48.9	48.4	47.3	73.0	74.4	73.6	46
4.5	4.6	4.8	18.2	18.0	18.4	3.3	3.3	3.3	12.3	12.3	12.3	20.8	20.7	19.3	47
31.9	31.7	33.4	101.4	100.9	102.8	19.8	19.5	19.5	77.3	77.3	76.1	80.8	80.8	80.3	48
1.5	1.6	1.6	7.7	7.7	7.6	1.0	1.0	1.0	5.8	5.8	5.8	5.5	5.5	5.3	49
10.8	10.6	10.9	55.0	54.7	54.8	11.6	11.4	11.6	52.3	52.2	50.7	35.0	35.3	35.1	50
36.0	36.3	34.6	201.4	196.2	196.3	34.9	34.5	33.5	145.2	141.5	139.1	149.2	148.4	147.8	51
(*)	519.4	532.1	(*)	1,381.4	1,390.3	(*)	603.6	603.1	(*)	1,284.6	1,284.6	(*)	1,016.8	1,012.3	52
(*)	380.5	389.6	(*)	1,005.5	1,020.6	(*)	512.9	515.1	(*)	1,006.7	1,006.1	(*)	780.2	778.0	53
(*)	321.2	331.8	(*)	726.7	740.9	(*)	462.3	465.2	(*)	788.4	791.2	(*)	569.3	568.9	54
12.4	12.2	12.5	62.7	62.2	62.6	12.4	12.2	12.4	57.3	57.0	55.3	47.1	47.5	47.2	55
3.3	3.3	3.4	13.8	13.6	13.0	2.0	2.0	2.0	10.4	10.1	10.4	16.1	16.2	16.1	56
14.7	14.4	14.4	50.5	50.1	49.8	12.9	12.7	12.2	37.6	38.9	36.7	40.7	40.0	39.5	57
5.0	5.0	5.5	19.7	19.4	19.9	4.8	4.7	4.7	14.9	15.1	14.6	26.5	26.4	27.3	58
19.4	19.7	19.8	71.1	69.6	70.3	14.4	14.2	14.4	70.8	67.6	66.1	46.9	46.2	45.2	59

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

State and area	TOTAL			Mining			Contract construction			Manufacturing			
	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	
1 NORTH CAROLINA	1,779.7	1,773.3	1,778.8	3.8	3.8	3.9	97.9	92.6	103.3	709.5	701.1	717.4	
2 Asheville	-	-	-	-	-	-	-	-	-	19.6	19.1	20.1	
3 Charlotte	180.0	180.0	182.1	(1)	(1)	(1)	11.9	11.4	13.7	41.7	41.6	42.6	
4 Greensboro-Winston-Salem-High Point	262.9	262.4	263.1	(1)	(1)	(1)	15.2	14.6	15.0	111.0	109.2	113.1	
5 Raleigh	-	-	-	-	-	-	-	-	-	13.8	13.7	14.3	
6 NORTH DAKOTA	171.9	170.0	165.2	1.8	1.7	1.6	16.1	13.8	11.5	9.9	9.8	10.0	
7 Fargo-Moorhead	43.6	43.5	41.9	.1	.1	.1	3.7	3.3	3.2	3.1	2.9	2.8	
8 OHIO	3,891.4	3,875.6	3,928.8	22.1	21.7	21.4	158.0	154.0	167.3	1,343.4	1,343.7	1,417.6	
9 Akron	245.3	246.4	238.3	.3	.3	.3	8.7	8.2	9.1	92.0	92.4	88.5	
10 Canton	137.0	136.9	138.8	.4	.4	.4	4.6	4.8	5.5	59.5	59.6	61.5	
11 Cincinnati	511.4	510.7	517.6	.4	.4	.4	20.1	20.3	21.6	162.3	161.1	172.9	
12 Cleveland	856.6	849.2	865.2	1.5	1.4	1.5	35.3	35.1	31.5	276.9	276.1	301.7	
13 Columbus	384.5	380.6	385.1	.8	.8	.8	17.7	16.9	19.1	84.8	85.4	90.7	
14 Dayton	321.5	321.0	335.9	.5	.5	.5	11.7	11.3	12.5	111.2	112.2	130.6	
15 Toledo	247.7	245.3	248.3	.3	.3	.4	9.2	8.9	10.0	79.1	78.2	82.7	
16 Youngstown-Warren	204.4	204.2	199.3	.3	.3	.3	6.6	6.8	9.0	91.0	91.6	86.8	
17 OKLAHOMA	778.1	775.0	780.2	37.1	37.0	39.9	40.0	39.2	39.9	132.8	132.5	134.4	
18 Oklahoma City	264.0	261.4	260.6	6.8	6.7	7.1	14.9	14.4	14.7	37.1	37.2	38.7	
19 Tulsa	176.8	176.1	178.9	13.5	13.4	13.4	8.3	7.9	9.0	39.8	39.8	42.0	
20 OREGON	739.0	723.2	720.8	1.5	1.5	1.4	30.5	29.9	30.3	174.2	169.4	174.6	
21 Eugene	72.1	70.4	71.2	(1)	(1)	(1)	3.1	3.1	3.2	18.8	18.3	18.3	
22 Portland	391.7	384.1	383.5	(1)	(1)	(1)	17.3	17.5	17.9	85.3	81.7	85.7	
23 Salem	55.0	54.4	55.9	(1)	(1)	(1)	2.2	2.1	2.7	9.9	9.1	11.4	
24 PENNSYLVANIA	4,291.8	4,289.9	4,404.6	37.4	41.3	40.3	177.6	179.9	202.8	1,444.9	1,447.3	1,548.5	
25 Allentown-Bethlehem-Easton	213.7	213.3	221.6	.5	.5	.5	7.5	6.9	8.4	98.0	100.2	107.3	
26 Altoona	48.6	48.0	49.8	(1)	(1)	(1)	2.4	2.1	2.4	15.5	15.2	16.2	
27 Delaware Valley ⁶	1,494.7	1,503.1	1,550.5	1.4	1.4	1.4	69.8	71.0	69.5	434.9	443.8	479.7	
28 Erie	97.4	97.4	99.9	(1)	(1)	(1)	3.2	3.1	4.4	42.5	42.1	44.5	
29 Harrisburg	176.9	175.0	179.7	(1)	(1)	(1)	6.9	6.8	8.8	38.9	38.0	40.4	
30 Johnstown	79.9	79.1	79.6	5.6	5.5	5.2	3.2	2.9	3.2	25.2	25.0	26.0	
31 Lancaster	123.6	121.8	123.0	(1)	(1)	(1)	7.0	6.5	6.7	52.5	51.5	56.5	
32 Philadelphia	1,755.6	1,762.6	1,804.5	1.6	1.6	1.5	84.6	85.1	84.3	506.8	514.5	550.9	
33 Pittsburgh	884.3	876.0	886.8	9.3	9.9	9.0	44.6	42.3	44.2	272.4	270.8	282.9	
34 Reading	124.8	124.7	125.7	(1)	(1)	(1)	4.1	4.2	4.7	55.6	55.6	58.0	
35 Scranton	84.1	84.0	85.6	.4	.4	.4	2.5	2.4	2.6	32.2	31.9	33.4	
36 Wilkes-Barre-Hazleton	124.9	124.4	123.5	1.8	1.8	2.1	5.7	5.3	6.0	53.7	53.7	51.4	
37 York	132.0	131.8	136.2	(1)	(1)	(1)	7.3	8.2	10.3	58.9	57.9	62.4	
38 RHODE ISLAND	339.7	335.6	347.2	(1)	(1)	(1)	15.1	14.3	16.2	116.1	114.7	121.5	
39 Providence-Pawtucket-Warwick	352.4	348.5	359.6	(1)	(1)	(1)	15.4	14.7	16.6	132.8	131.8	138.2	
40 SOUTH CAROLINA	852.3	849.2	843.7	1.7	1.7	1.7	56.1	54.3	53.5	335.1	332.5	343.9	
41 Charleston	88.3	87.7	87.9	(1)	(1)	(1)	5.5	5.2	5.8	14.5	14.4	15.7	
42 Columbia	112.2	112.7	111.3	(1)	(1)	(1)	8.6	8.3	7.7	19.7	19.5	21.1	
43 Greenville	(*)	120.6	122.2	(*)	(1)	(1)	(*)	8.8	9.3	(*)	52.6	55.5	
44 SOUTH DAKOTA	183.4	179.8	181.4	2.4	2.2	2.4	8.7	7.6	7.7	16.3	16.0	16.0	
45 Sioux Falls	35.9	35.2	34.8	(1)	(1)	(1)	2.0	1.8	1.7	6.1	6.0	6.0	
46 TENNESSEE	1,364.6	1,352.7	1,332.1	7.3	7.3	7.2	75.7	71.3	67.0	463.0	459.9	463.6	
47 Chattanooga	130.5	130.3	125.2	.3	.3	.3	6.3	5.9	5.5	52.3	52.1	51.3	
48 Knoxville	144.5	144.9	145.5	2.0	1.9	1.8	7.3	7.2	8.1	46.2	46.4	45.4	
49 Memphis	281.7	278.3	272.5	.3	.3	.3	18.2	17.2	13.1	58.0	57.7	58.9	
50 Nashville	222.4	221.6	224.0	(1)	(1)	(1)	13.7	13.5	13.5	59.1	58.7	61.6	
51 TEXAS	3,646.0	3,645.1	3,659.1	106.0	103.2	106.9	216.6	211.2	235.7	710.8	706.1	755.1	
52 Amarillo	-	-	-	-	-	-	-	-	-	7.5	7.4	7.3	
53 Austin	119.9	120.1	113.5	(1)	(1)	(1)	8.9	8.5	8.6	11.8	11.6	11.5	
54 Beaumont-Port Arthur-Orange	106.5	107.4	106.7	(1)	(1)	(1)	7.1	7.2	8.9	37.3	37.3	36.5	
55 Corpus Christi	-	-	-	-	-	-	-	-	-	11.3	11.3	11.7	

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				
June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970		
95.0	93.5	93.1	321.8	320.5	319.5	70.3	69.9	70.4	216.1	212.8	213.2	265.3	279.1	258.0	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
18.9	18.9	18.9	47.0	46.7	47.8	13.4	13.3	13.1	26.8	26.3	26.0	20.3	21.8	20.0	3	
16.7	16.3	16.0	47.9	47.6	47.8	13.0	13.0	12.9	31.6	31.7	31.4	27.5	30.0	26.9	4	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
12.2	11.9	12.5	45.1	45.2	44.1	7.3	7.2	7.1	29.3	29.3	29.1	50.3	51.2	49.3	6	
3.1	3.0	3.2	12.7	12.8	12.6	2.5	2.5	2.4	8.0	8.6	7.9	10.4	10.4	9.8	7	
233.2	230.6	230.1	785.0	782.7	778.7	165.0	162.3	159.4	602.1	595.1	583.2	582.7	585.5	571.1	8	
14.7	14.5	14.9	48.2	48.3	48.2	7.4	7.3	7.0	37.7	37.3	35.4	36.4	38.2	34.8	9	
7.2	7.1	7.4	26.0	25.8	25.9	5.0	4.9	4.7	21.3	21.0	20.3	13.0	13.3	13.0	10	
37.6	37.1	36.9	107.2	108.4	107.7	27.6	27.2	26.6	84.4	83.5	80.6	71.9	72.6	70.8	11	
54.3	53.4	52.7	187.0	185.1	183.4	43.9	43.4	42.4	146.4	145.2	141.1	111.2	109.6	110.8	12	
22.1	21.5	21.6	80.9	80.4	79.5	26.0	25.7	25.4	69.3	68.3	65.6	83.0	81.5	82.4	13	
13.2	12.9	13.0	62.5	62.4	61.6	10.7	10.4	10.0	51.3	50.6	49.6	60.5	60.6	58.0	14	
18.3	17.9	17.8	53.6	53.2	53.1	8.4	8.4	8.1	41.6	41.4	39.8	37.2	36.9	36.5	15	
10.3	10.2	10.3	39.3	38.5	38.0	6.0	5.9	5.7	29.3	28.0	21.2	21.5	21.1	21.1	16	
52.4	51.9	53.5	170.2	169.4	170.1	37.5	36.9	37.2	119.6	118.7	117.8	188.5	189.4	187.4	17	
17.2	17.1	17.1	59.0	58.4	58.0	15.9	15.7	15.5	40.1	39.5	38.7	73.0	72.4	70.8	18	
15.1	15.0	16.0	40.6	40.5	40.1	9.5	9.3	9.5	31.9	31.7	30.8	18.1	18.5	18.1	19	
48.7	47.9	49.1	169.0	166.1	161.9	36.8	36.3	36.1	122.1	119.7	116.0	156.2	152.4	151.4	20	
4.2	4.1	4.2	15.1	14.7	14.9	3.1	3.0	2.9	10.3	10.4	10.1	17.5	16.8	17.6	21	
30.3	29.8	30.7	95.6	94.3	92.6	25.2	25.0	24.8	71.9	70.7	68.6	66.1	65.1	63.2	22	
2.0	2.0	1.9	11.1	11.0	11.2	3.2	3.2	3.1	7.5	7.5	7.5	19.1	18.1	18.1	23	
264.6	264.3	268.3	835.2	830.9	833.6	195.6	193.3	193.1	707.5	698.6	694.0	629.0	634.3	624.0	24	
12.8	12.6	12.4	35.7	35.5	36.2	7.4	7.3	7.1	30.2	29.4	28.9	21.6	20.9	20.8	25	
7.4	7.6	7.6	8.6	8.5	8.9	1.2	1.2	1.2	7.2	7.1	7.2	6.3	6.3	6.3	26	
89.1	88.9	93.0	301.5	303.3	308.6	92.2	91.2	94.2	285.6	282.7	282.6	220.2	220.8	221.5	27	
5.6	5.5	5.4	17.6	17.7	17.9	3.5	3.4	3.4	14.2	14.0	13.3	10.8	11.6	11.0	28	
14.2	14.3	14.3	35.9	35.5	35.2	9.4	9.3	9.0	27.1	26.7	26.9	44.5	44.4	45.1	29	
4.8	4.8	4.3	13.5	13.3	13.6	2.2	2.2	2.1	12.3	12.3	12.1	13.1	13.1	13.1	30	
5.8	5.6	5.5	24.7	24.5	23.1	3.1	3.0	2.9	19.5	19.3	18.0	11.0	11.4	10.3	31	
102.1	101.9	106.1	365.1	367.2	367.8	102.1	101.0	103.6	324.5	322.5	321.7	268.8	268.8	268.6	32	
60.2	59.5	59.7	183.5	179.8	178.8	38.5	38.3	38.4	161.4	161.5	161.6	114.4	113.9	112.2	33	
6.9	6.8	6.7	21.5	21.2	20.5	4.8	4.7	4.7	17.8	17.2	17.4	14.1	15.0	13.7	34	
4.8	4.8	5.1	17.0	17.0	17.0	2.6	2.6	2.6	14.8	14.9	14.5	9.8	10.0	10.0	35	
6.7	6.7	7.0	21.1	21.0	21.0	4.4	4.4	4.3	15.8	15.7	15.8	15.7	15.8	15.9	36	
6.0	5.9	5.9	26.1	25.9	24.7	3.2	3.2	3.1	16.0	16.0	15.3	14.5	14.7	14.5	37	
16.1	15.9	16.1	69.0	68.4	68.9	16.0	15.8	15.9	55.5	54.9	55.8	51.9	51.6	52.8	38	
15.7	15.5	15.6	69.7	69.1	69.7	16.1	15.8	15.8	54.6	53.9	54.9	48.1	47.7	48.8	39	
38.3	37.8	37.9	148.3	146.4	141.9	31.8	31.0	30.1	91.7	91.2	90.2	149.3	154.3	144.5	40	
6.1	5.9	6.1	18.0	17.8	17.2	3.6	3.5	3.6	10.3	10.5	10.1	30.3	30.4	29.4	41	
7.2	7.2	7.1	23.2	22.9	22.8	7.5	7.4	7.1	15.7	15.6	15.2	30.3	31.8	30.3	42	
(*)	4.5	4.7	(*)	21.7	21.4	(*)	5.0	4.9	(*)	14.2	14.3	(*)	13.8	12.1	12.1	43
10.5	10.4	10.3	46.0	45.4	46.7	7.6	7.5	7.5	33.6	32.8	33.0	58.3	57.9	57.8	44	
3.1	3.2	3.1	10.7	10.6	10.5	2.0	2.0	2.0	6.9	6.7	6.8	5.1	4.9	4.7	45	
68.8	68.3	67.2	263.2	261.8	258.8	60.1	59.0	58.1	188.2	187.0	183.2	238.3	238.1	227.0	46	
6.3	6.3	6.6	23.9	23.8	24.2	7.5	7.5	7.1	16.8	16.6	16.1	17.1	17.8	14.1	47	
6.2	6.5	6.8	29.7	29.7	30.7	5.1	5.1	5.1	18.0	18.1	18.6	30.0	30.0	29.0	48	
20.0	19.8	20.2	69.6	69.5	69.0	15.8	15.6	15.3	46.9	46.1	46.0	52.9	52.1	49.7	49	
13.7	13.6	14.0	48.3	48.2	48.3	15.2	15.1	14.6	37.2	37.1	37.2	35.2	35.4	34.8	50	
255.1	253.0	256.9	896.3	891.5	870.7	200.6	197.5	193.7	600.3	598.7	588.4	660.3	683.9	651.7	51	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	
3.8	3.8	3.4	23.8	23.8	21.9	6.1	5.8	5.8	16.0	16.1	15.2	49.5	50.5	47.1	53	
8.8	9.0	8.1	21.4	21.3	21.5	4.0	3.9	3.8	15.7	15.5	15.8	12.2	13.2	12.1	54	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

76

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970
1	TEXAS (continued)												
1	Dallas	651.6	649.4	661.2	7.9	7.7	8.0	38.9	37.6	40.7	140.9	140.0	160.0
2	El Paso	103.7	103.7	105.0	-	-	-	4.9	4.9	6.0	24.6	24.5	23.4
3	Fort Worth	256.8	257.5	272.0	1.6	1.6	1.8	12.6	12.4	11.6	73.9	74.4	90.7
4	Galveston-Texas City	-	-	-	-	-	-	-	-	-	11.4	11.4	11.8
5	Houston	786.1	786.4	768.0	29.4	28.6	29.1	68.9	66.3	70.3	145.7	145.0	150.1
6	Lubbock	-	-	-	-	-	-	-	-	-	7.3	7.3	7.2
7	San Antonio	265.0	262.6	261.2	1.3	1.2	1.5	13.0	12.7	12.4	34.1	34.0	35.0
8	Waco	-	-	-	-	-	-	-	-	-	11.3	11.3	12.5
9	Wichita Falls	-	-	-	-	-	-	-	-	-	5.0	4.8	4.5
10	UTAH	369.2	370.6	360.0	13.1	12.8	12.7	17.8	17.0	15.9	55.9	54.9	56.0
11	Salt Lake City	198.4	198.3	192.1	7.6	7.6	7.8	9.6	9.1	9.3	30.0	29.7	30.0
12	VERMONT ¹⁰	150.3	147.7	149.8	1.0	1.0	1.0	10.9	10.2	11.4	38.3	38.2	41.4
13	Burlington	38.8	38.9	38.7	-	-	-	-	-	-	9.6	9.7	10.9
14	Springfield ¹⁰	12.1	11.7	13.0	-	-	-	-	-	-	5.1	5.0	6.0
15	VIRGINIA ³	1,501.9	1,484.2	1,481.8	16.9	16.8	15.3	102.6	98.3	102.5	359.6	356.7	364.3
16	Lynchburg	53.8	53.4	53.6	(1)	(1)	(1)	3.1	3.0	3.0	23.8	23.8	25.0
17	Newport News-Hampton	99.0	97.2	96.1	(1)	(1)	(1)	6.0	5.6	5.4	26.8	25.8	25.5
18	Norfolk-Portsmouth	201.4	199.5	204.3	(1)	(1)	(1)	13.6	13.2	14.6	19.3	19.1	20.8
19	Northern Virginia ¹¹	281.0	277.8	268.9	.3	.3	.4	21.8	21.0	22.3	10.6	10.4	10.1
20	Richmond	241.9	240.2	240.2	.2	.2	.2	15.9	15.7	16.2	48.9	48.9	51.3
21	Roanoke	83.9	83.7	83.4	.1	.1	.1	4.9	4.8	5.2	19.6	19.6	19.7
22	WASHINGTON	1,049.7	1,039.7	1,099.5	1.7	1.6	1.9	49.3	49.7	56.1	210.7	205.5	241.8
23	Seattle-Everett	481.1	480.0	526.3	(1)	(1)	(1)	20.1	20.8	26.5	101.6	101.5	128.6
24	Spokane	90.2	90.8	91.1	(1)	(1)	(1)	5.6	5.5	5.3	12.0	11.9	12.6
25	Tacoma	104.1	104.2	107.1	(1)	(1)	(1)	4.1	4.5	5.2	19.4	19.3	19.1
26	WEST VIRGINIA	520.3	518.7	519.9	52.6	52.0	49.0	30.5	29.7	30.1	123.5	122.8	127.6
27	Charleston	84.9	84.9	85.4	4.2	4.2	3.9	5.8	5.8	5.5	15.8	15.7	17.0
28	Huntington-Ashland	84.1	84.1	84.9	.6	.6	.6	4.3	4.3	4.4	26.9	26.8	27.4
29	Wheeling	60.1	59.6	58.4	5.3	5.3	4.7	3.8	3.8	3.1	15.5	15.2	15.5
30	WISCONSIN	1,542.7	1,531.5	1,544.8	2.6	2.5	2.9	59.4	58.3	67.4	480.2	474.0	500.6
31	Green Bay	55.6	55.0	55.1	(1)	(1)	(1)	2.1	2.5	2.4	17.2	16.4	16.9
32	Kenosha	35.6	35.6	35.8	(1)	(1)	(1)	1.3	1.1	1.2	15.5	15.6	16.3
33	La Crosse	30.1	30.5	29.8	(1)	(1)	(1)	1.1	1.1	1.1	8.1	8.2	8.6
34	Madison	121.7	122.5	120.5	(1)	(1)	(1)	6.7	6.4	6.5	15.3	15.3	16.1
35	Milwaukee	566.6	563.1	569.9	(1)	(1)	(1)	19.3	18.5	22.0	194.2	192.6	201.4
36	Racine	53.9	53.4	56.8	(1)	(1)	(1)	1.5	1.6	1.8	23.0	22.9	25.6
37	WYOMING	114.5	109.3	112.3	12.0	11.3	11.8	8.3	7.6	7.6	6.3	6.2	7.0
38	Casper	20.2	19.4	20.0	3.2	3.2	4.1	1.6	1.4	1.1	1.6	1.6	1.6
39	Cheyenne	19.6	18.7	18.9	(1)	(1)	(1)	1.0	.8	1.1	1.1	.9	1.2

¹ Combined with services.

² Combined with construction.

³ Federal employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in the data for the District of Columbia.

⁴ Area included in Chicago-Northwestern Indiana Standard Consolidated Area.

⁵ Revised to 1970 benchmark; not strictly comparable with previously published data.

⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁷ Area included in New York-Northeastern New Jersey Standard Consolidated Area.

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.

¹¹ Subarea of Washington, D. C. Standard Metropolitan Statistical Area.

* Not available.

p = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
June 1971 ^b	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	
52.6	52.6	53.2	173.4	172.9	173.4	57.8	56.5	54.9	106.4	105.8	102.7	73.7	76.3	68.3	1
8.5	8.4	8.7	24.7	24.6	25.8	4.4	4.4	4.5	14.6	14.7	14.5	22.0	22.2	22.1	2
15.4	15.4	15.6	62.2	61.7	62.6	12.6	12.6	12.9	43.0	42.7	42.0	35.5	36.7	34.8	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
65.0	63.9	63.9	192.6	191.7	188.3	44.4	43.7	41.6	150.8	148.6	140.9	89.3	98.6	83.8	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.5	11.3	11.5	63.4	62.9	63.5	17.4	17.1	16.3	46.1	45.2	44.9	78.2	78.2	76.1	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.2	23.0	23.5	81.8	81.1	80.7	15.7	15.5	15.2	59.7	61.3	57.3	102.0	104.9	98.7	10
16.1	15.9	15.6	53.1	52.6	50.7	12.0	11.8	11.6	34.9	34.2	33.1	35.2	37.4	34.1	11
8.3	8.2	8.2	29.6	29.3	28.2	6.0	5.9	5.7	29.5	28.2	28.3	26.9	26.9	25.8	12
2.1	2.1	2.1	7.9	8.1	7.3	-	-	-	7.5	7.4	7.2	-	-	-	13
.7	.7	.8	2.0	2.0	2.0	-	-	-	1.8	1.8	1.7	-	-	-	14
100.3	98.0	99.2	309.7	307.5	303.9	71.0	69.6	69.2	229.8	227.4	223.5	312.0	309.9	303.9	15
2.6	2.6	2.6	9.1	9.0	8.6	2.3	2.2	2.2	7.0	6.9	6.5	5.9	5.9	5.7	16
4.4	4.3	4.2	16.3	16.1	16.1	2.9	2.9	3.1	13.2	13.2	12.4	29.4	29.3	29.4	17
16.3	16.0	16.8	48.8	47.8	48.7	9.6	9.6	9.7	33.0	32.0	31.9	60.8	61.8	61.8	18
21.7	21.3	21.3	64.7	63.7	62.3	16.8	16.4	16.4	50.1	49.7	50.0	95.0	95.0	86.1	19
18.8	18.6	18.6	54.0	53.8	53.5	19.2	19.0	18.7	36.3	36.0	35.6	48.6	48.0	46.1	20
11.0	11.1	11.4	19.1	19.1	18.9	4.1	4.1	4.3	14.2	14.2	13.6	10.9	10.7	10.2	21
70.6	70.0	74.7	231.7	232.1	242.7	57.9	57.4	58.3	171.9	170.2	173.0	255.9	253.2	251.0	22
38.5	37.7	40.2	108.7	109.1	117.7	34.5	34.4	35.9	81.6	81.1	83.5	96.1	95.4	93.9	23
7.3	7.3	7.5	23.0	22.8	23.5	5.6	5.5	5.4	18.3	19.1	18.5	18.4	18.7	18.3	24
6.3	6.3	7.1	22.5	22.3	23.3	6.1	6.1	6.1	19.1	19.0	18.7	26.6	26.7	27.6	25
42.2	41.8	42.1	90.9	90.8	91.3	16.2	16.1	15.8	67.8	68.1	67.4	96.7	97.5	96.4	26
9.1	9.1	9.1	19.4	19.4	19.0	4.0	4.0	4.0	13.0	13.0	13.2	13.6	13.7	13.7	27
8.4	8.3	8.5	17.9	17.9	17.9	3.0	2.9	3.0	10.6	10.6	10.8	12.5	12.7	12.3	28
3.9	3.9	3.9	12.6	12.5	12.4	2.2	2.2	2.2	10.2	10.2	9.9	6.5	6.5	6.7	29
82.4	82.9	81.8	340.9	339.6	331.0	63.5	62.7	61.7	242.5	238.9	232.8	271.1	272.6	266.6	30
4.8	4.7	4.6	13.9	13.9	13.8	1.6	1.5	1.5	8.4	8.5	8.3	7.7	7.6	7.5	31
1.3	1.4	1.3	6.9	6.9	6.6	.7	.7	.8	4.9	5.0	4.8	5.0	4.8	4.8	32
2.2	2.2	2.1	7.4	7.7	7.2	.6	.6	.6	6.2	6.1	5.8	4.5	4.6	4.3	33
5.8	5.7	5.7	24.8	24.9	24.1	6.6	6.5	6.3	19.0	18.9	18.2	43.4	44.8	43.6	34
31.7	31.9	31.8	124.9	124.7	122.1	29.5	29.3	28.9	92.0	92.1	90.6	75.1	74.0	73.1	35
2.0	2.0	2.0	9.8	9.8	10.0	1.5	1.5	1.5	8.4	8.2	8.1	7.7	7.6	7.7	36
11.4	10.9	10.9	24.2	22.6	23.6	3.9	3.7	3.7	18.2	16.6	18.0	30.2	30.4	29.7	37
1.6	1.5	1.4	4.9	4.7	4.6	.9	.9	.9	2.5	2.5	2.5	3.9	3.6	3.8	38
2.4	2.4	2.4	4.6	4.4	3.9	1.0	1.0	1.0	3.6	3.5	3.5	5.9	5.7	5.8	39

ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS

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

Year and month	Average			Average			Average			Average		
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings
	Total private ¹			Mining			Contract construction			Manufacturing		
1947.....	\$45.58	40.3	\$1.131	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$49.17	40.4	\$1.217
1948.....	49.00	40.0	1.225	65.56	39.4	1.664	65.27	38.1	1.713	53.12	40.0	1.328
1949.....	50.24	39.4	1.275	62.33	36.3	1.717	67.56	37.7	1.792	53.88	39.1	1.378
1950.....	53.13	39.8	1.335	67.16	37.9	1.772	69.68	37.4	1.863	58.32	40.5	1.440
1951.....	57.86	39.9	1.45	74.11	38.4	1.93	76.96	38.1	2.02	63.34	40.6	1.56
1952.....	60.65	39.9	1.52	77.59	38.6	2.01	82.86	38.9	2.13	67.16	40.7	1.65
1953.....	63.76	39.6	1.61	83.03	38.8	2.14	86.41	37.9	2.28	70.47	40.5	1.74
1954.....	64.52	39.1	1.65	82.60	38.6	2.14	88.91	37.2	2.39	70.49	39.6	1.78
1955.....	67.72	39.6	1.71	89.54	40.7	2.20	90.90	37.1	2.45	75.70	40.7	1.86
1956.....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95
1957.....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11
1959 ²	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19
1960.....	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32
1962.....	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53
1965.....	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.93	37.4	4.41	122.51	40.7	3.01
1969.....	114.61	37.7	3.04	154.80	43.0	3.60	181.16	37.9	4.78	129.51	40.6	3.19
1970.....	120.16	37.2	3.23	163.97	42.7	3.84	195.23	37.4	5.22	133.73	39.8	3.36
1970: July.....	121.45	37.6	3.23	163.88	42.9	3.82	200.20	38.5	5.20	134.46	39.9	3.37
August.....	122.20	37.6	3.25	163.97	42.7	3.84	204.05	38.5	5.30	134.13	39.8	3.37
September.....	121.73	37.0	3.29	164.55	42.3	3.89	194.03	36.2	5.36	135.43	39.6	3.42
October.....	121.36	37.0	3.28	168.56	43.0	3.92	203.79	37.6	5.42	133.45	39.6	3.37
November.....	121.07	36.8	3.29	168.70	42.6	3.96	196.57	36.2	5.43	134.58	39.7	3.39
December.....	122.43	37.1	3.30	170.25	43.1	3.95	203.08	37.4	5.43	138.45	39.9	3.47
1971: January.....	122.58	36.7	3.34	168.75	42.4	3.98	198.55	36.1	5.50	138.60	39.6	3.50
February.....	122.61	36.6	3.35	167.60	41.9	4.00	196.32	35.5	5.53	138.29	39.4	3.51
March.....	124.02	36.8	3.37	168.40	42.1	4.00	204.42	37.1	5.51	139.74	39.7	3.52
April.....	124.05	36.7	3.38	170.87	42.4	4.03	204.61	37.0	5.53	139.83	39.5	3.54
May.....	125.86	36.8	3.42	170.89	42.3	4.04	207.94	37.0	5.62	142.40	40.0	3.56
June P.....	127.57	37.3	3.42	172.51	42.7	4.04	212.80	38.0	5.60	143.51	40.2	3.57
July P.....	127.22	37.2	3.42	172.14	42.4	4.06	216.40	38.3	5.65	141.33	39.7	3.56
Year and month	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services		
1947.....	-	-	-	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140	-	-	-
1948.....	-	-	-	40.80	40.4	1.010	45.48	37.9	1.200	-	-	-
1949.....	-	-	-	42.93	40.5	1.060	47.63	37.8	1.260	-	-	-
1950.....	-	-	-	44.55	40.5	1.00	50.52	37.7	1.340	-	-	-
1951.....	-	-	-	47.79	40.5	1.18	54.67	37.7	1.45	-	-	-
1952.....	-	-	-	49.20	40.0	1.23	57.08	37.8	1.51	-	-	-
1953.....	-	-	-	51.35	39.5	1.30	59.57	37.7	1.58	-	-	-
1954.....	-	-	-	53.33	39.5	1.35	62.04	37.6	1.65	-	-	-
1955.....	-	-	-	55.16	39.4	1.40	63.92	37.6	1.70	-	-	-
1956.....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-
1957.....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-
1959 ²	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-
1960.....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-
1964.....	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94
1965.....	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05
1966.....	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17
1967.....	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29
1968.....	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	84.32	34.7	2.43
1969.....	147.74	40.7	3.63	91.14	35.6	2.56	108.33	37.1	2.92	91.26	34.7	2.63
1970.....	155.93	40.5	3.85	95.66	35.3	2.71	112.98	36.8	3.07	97.98	34.5	2.84
1970: July.....	159.06	41.1	3.87	98.10	36.2	2.71	112.61	36.8	3.06	98.77	34.9	2.83
August.....	159.51	40.9	3.90	98.74	36.3	2.72	113.65	36.9	3.08	99.75	35.0	2.85
September.....	159.95	40.7	3.93	97.08	35.3	2.75	113.09	36.6	3.09	99.76	34.4	2.90
October.....	159.96	40.6	3.94	96.88	35.1	2.76	114.82	36.8	3.12	99.81	34.3	2.91
November.....	159.58	40.4	3.95	96.95	35.0	2.77	115.55	36.8	3.14	100.84	34.3	2.94
December.....	158.40	39.9	3.97	97.08	35.3	2.75	115.61	36.7	3.15	101.48	34.4	2.95
1971: January.....	159.20	39.9	3.99	97.51	34.7	2.81	117.07	36.7	3.19	101.62	34.1	2.98
February.....	161.60	40.1	4.03	97.92	34.6	2.83	118.86	36.8	3.23	102.30	34.1	3.00
March.....	161.60	40.1	4.03	98.55	34.7	2.84	119.56	36.9	3.24	102.30	34.1	3.00
April.....	162.41	40.1	4.05	99.18	34.8	2.85	119.93	36.9	3.25	102.30	34.1	3.00
May.....	164.42	40.3	4.08	99.88	34.8	2.87	121.40	36.9	3.29	102.68	34.0	3.02
June P.....	166.87	40.8	4.09	101.53	35.5	2.86	120.99	37.0	3.27	102.90	34.3	3.00
July P.....	158.50	38.1	4.16	103.61	36.1	2.87	121.69	37.1	3.28	104.10	34.7	3.00

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

² Data include Alaska and Hawaii 1959.

P= preliminary

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

80

**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				
		July p 1971	June 1971 p	May 1971	July 1970	June 1970	July p 1971	June p 1971	May 1971	July 1970	June 1970
	TOTAL PRIVATE.....	\$127.22	\$127.57	\$125.86	\$121.45	\$120.05	\$3.42	\$3.42	\$3.42	\$3.23	\$3.21
	MINING.....	172.14	172.51	170.89	163.88	163.88	4.06	4.04	4.04	3.82	3.82
10	METAL MINING.....	-	172.48	169.68	166.96	166.45	-	4.03	4.04	3.91	3.88
101	Iron ores.....	-	172.48	166.78	160.55	161.24	-	4.03	3.99	3.85	3.83
102	Copper ores	-	175.31	175.71	182.66	177.51	-	4.03	4.03	4.05	3.98
11,12	COAL MINING.....	-	192.51	188.65	176.84	182.34	-	4.73	4.74	(*)	4.48
12	Biriminous coal and lignite mining ...	-	194.55	190.16	178.85	184.91	-	4.78	4.79	(*)	4.51
13	OIL AND GAS EXTRACTION.....	-	157.45	160.13	154.66	152.01	-	3.74	3.75	3.58	3.56
131,2	Crude petroleum and natural gas fields.	-	166.04	168.08	156.26	153.14	-	4.12	4.15	3.83	3.80
138	Oil and gas field services.....	-	151.03	154.61	153.11	151.75	-	3.48	3.49	3.41	3.41
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	172.05	166.90	161.35	158.81	-	3.70	3.66	3.50	3.46
142	Crushed and broken stone	-	174.24	165.43	161.77	160.01	-	3.63	3.55	3.42	3.39
	CONTRACT CONSTRUCTION.....	216.40	212.80	207.94	200.20	196.99	5.65	5.60	5.62	5.20	5.13
15	GENERAL BUILDING CONTRACTORS	-	195.29	193.49	186.98	182.66	-	5.38	5.42	5.04	4.95
16	HEAVY CONSTRUCTION CONTRACTORS	-	214.80	201.50	208.49	204.20	-	5.09	5.05	4.86	4.76
161	Highway and street construction.....	-	210.27	194.32	201.43	197.09	-	4.89	4.81	4.62	4.51
162	Heavy construction, nec.....	-	219.65	207.64	214.80	210.50	-	5.28	5.27	5.09	5.00
17	SPECIAL TRADE CONTRACTORS.....	-	221.14	219.49	203.69	201.47	-	6.02	6.03	5.52	5.46
171	Plumbing, heating, air conditioning...	-	233.63	233.32	215.46	211.48	-	6.10	6.14	5.67	5.58
172	Painting, paper hanging, decorating...	-	194.86	196.35	177.83	178.31	-	5.52	5.61	5.11	5.08
173	Electrical work	-	250.75	250.64	235.01	233.45	-	6.53	6.51	5.98	5.91
174	Masonry, stonework, and plastering...	-	203.74	195.55	186.79	182.29	-	5.94	5.89	5.43	5.33
176	Roofing and sheetmetal work.....	-	181.07	170.87	167.95	166.01	-	5.31	5.29	4.84	4.84
	MANUFACTURING	141.33	143.51	142.40	134.46	134.40	3.56	3.57	3.56	3.37	3.36
19,24,25, 32-39	DURABLE GOODS.....	151.60	155.04	153.50	143.87	144.94	3.79	3.80	3.79	3.57	3.57
20-23,26-31	NONDURABLE GOODS	128.90	128.44	127.01	121.44	119.95	3.28	3.26	3.24	3.09	3.06
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	161.44	160.51	158.53	143.28	146.11	3.89	3.84	3.82	3.60	3.59
192	Ammunition, except for small arms ..	156.59	157.59	154.42	141.29	141.55	3.81	3.77	3.73	3.55	3.53
1925	Complete guided missiles	-	187.05	184.04	171.40	174.71	-	4.30	4.28	4.13	4.14
1929	Ammunition, exc. for small arms, nec	-	134.46	131.13	124.87	123.31	-	3.32	3.27	3.21	3.17
	LUMBER AND WOOD PRODUCTS.....	124.11	129.43	125.42	118.31	119.50	3.15	3.18	3.12	2.98	2.98
24	Sawmills and planing mills	118.47	122.51	120.30	114.62	115.26	3.03	3.04	3.00	2.88	2.86
242	Sawmills and planing mills, general.	-	126.54	123.91	118.50	119.18	-	3.14	3.09	2.97	2.95
2421	Millwork, plywood & related products.	136.20	137.12	134.48	126.32	126.54	3.33	3.32	3.28	3.15	3.14
243	Millwork	-	130.82	128.72	120.96	121.66	-	3.23	3.21	3.07	3.08
2431	Veneer and plywood	-	141.12	137.19	128.79	130.19	-	3.36	3.29	3.18	3.16
244	Wooden containers	(*)	99.29	96.86	94.82	92.64	(*)	2.47	2.49	2.45	2.40
2441,2	Wooden boxes, shook, and crates	-	97.69	95.40	93.56	91.48	-	2.43	2.44	2.43	2.37
249	Miscellaneous wood products	110.95	111.93	109.89	105.30	104.09	2.76	2.73	2.72	2.60	2.57
	FURNITURE AND FIXTURES	113.87	116.18	113.76	107.86	107.92	2.89	2.89	2.88	2.78	2.76
251	Household furniture	106.23	110.42	108.11	99.84	99.85	2.71	2.74	2.73	2.60	2.58
2511	Wood household furniture	-	104.96	103.02	93.80	95.50	-	2.56	2.55	2.43	2.43
2512	Upholstered household furniture	-	115.05	111.84	105.74	102.30	-	2.92	2.92	2.79	2.75
2515	Mattresses and bedsprings	-	122.40	120.12	111.74	111.64	-	3.06	3.08	2.88	2.87
252	Office furniture	-	139.44	135.47	121.13	123.95	-	3.36	3.37	3.13	3.13
254	Partitions and fixtures	-	141.25	138.29	140.01	135.54	-	3.54	3.51	3.44	3.38
253,9	Other furniture and fixtures	120.51	121.60	118.89	118.40	119.10	3.13	3.11	3.08	2.99	2.97
	STONE, CLAY, AND GLASS PRODUCTS	155.77	154.87	151.37	141.25	141.10	3.70	3.67	3.63	3.42	3.40
321	Flat glass	-	198.90	188.55	181.48	186.61	-	4.50	4.50	4.27	4.28
322	Glass and glassware, pressed or blown	155.32	151.50	149.20	137.71	137.26	3.77	3.75	3.73	3.46	3.44
3221	Glass containers	-	159.53	156.78	143.07	142.97	-	3.91	3.90	3.55	3.53
3229	Pressed and blown glass, nec	-	139.74	138.50	129.81	129.09	-	3.52	3.48	3.32	3.31
324	Cement, hydraulic	(*)	195.25	188.90	179.33	178.08	(*)	4.66	4.53	4.28	4.25
325	Structural clay products	121.54	122.18	122.18	113.88	114.45	2.95	2.98	2.98	2.84	2.84
3251	Brick and structural clay tile	-	116.90	115.79	107.46	110.29	-	2.79	2.79	2.66	2.69
326	Pottery and related products	-	128.05	125.51	118.50	116.66	-	3.25	3.21	3.07	3.03
327	Concrete, gypsum, and plaster products	170.03	168.75	161.32	151.55	149.36	3.77	3.75	3.70	3.46	3.41
328,9	Other stone and nonmetallic mineral products	(*)	150.70	149.04	137.97	138.99	(*)	3.64	3.60	3.39	3.39
3291	Abrasive products	-	141.30	142.80	128.69	132.52	-	3.67	3.69	3.45	3.46

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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
	TOTAL PRIVATE	37.2	37.3	36.8	37.6	37.4					
	MINING	42.4	42.7	42.3	42.9	42.9					
10	METAL MINING	-	42.8	42.0	42.7	42.9					
101	Iron ores		42.8	41.8	41.7	42.1					
102	Copper ores		43.5	43.6	45.1	44.6					
11,12	COAL MINING		40.7	39.8	(*)	40.7					
12	Bituminous coal and lignite mining		40.7	39.7	(*)	41.0					
13	OIL AND GAS EXTRACTION		42.1	42.7	43.2	42.7					
131,2	Crude petroleum and natural gas fields		40.3	40.5	40.8	40.3					
138	Oil and gas field services		43.4	44.3	44.9	44.5					
14	NONMETALLIC MINERALS, EXCEPT FUELS		46.5	45.6	46.1	45.9					
142	Crushed and broken stone		48.0	46.6	47.3	47.2					
	CONTRACT CONSTRUCTION	38.3	38.0	37.0	38.5	38.4					
15	GENERAL BUILDING CONTRACTORS	-	36.3	35.7	37.1	36.9					
16	HEAVY CONSTRUCTION CONTRACTORS	-	42.2	39.9	42.9	42.9					
161	Highway and street construction		43.0	40.4	43.6	43.7					
162	Heavy construction, n e c		41.6	39.4	42.2	42.1					
17	SPECIAL TRADE CONTRACTORS		36.9	36.4	36.9	36.9					
171	Plumbing, heating, air conditioning		38.3	38.0	38.0	37.9					
172	Painting, paper hanging, decorating		35.3	35.0	34.8	35.1					
173	Electrical work		38.4	38.5	39.3	39.5					
174	Masonry, stonework, and plastering		34.3	33.2	34.4	34.2					
176	Roofing and sheet metal work		34.1	32.3	34.7	34.3					
-	MANUFACTURING	39.7	40.2	40.0	39.9	40.0	2.8	3.0	2.8	2.9	3.1
19,24,25, 32-39	DURABLE GOODS	40.0	40.8	40.5	40.3	40.6	2.6	3.0	2.8	2.9	3.2
20-23,26-31	NONDURABLE GOODS	39.3	39.4	39.2	39.3	39.2	2.9	3.0	2.9	2.9	3.0
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	41.5	41.8	41.5	39.8	40.7	2.4	2.2	2.1	2.2	
192	Ammunition, except for small arms	41.1	41.8	41.4	39.8	40.1	2.2	2.0	1.7	1.7	
1925	Complete guided missiles	-	43.5	43.0	41.5	42.2	-	-	-	-	
1929	Ammunition, exc. for small arms, nec		40.5	40.1	38.9	38.9	-	-	-	-	
24	LUMBER AND WOOD PRODUCTS	39.4	40.7	40.2	39.7	40.1	3.5	3.4	3.2	3.4	
242	Sawmills and planing mills	39.1	40.3	40.1	39.8	40.3	3.5	3.7	3.4	3.6	
2421	Sawmills and planing mills, general	-	40.3	40.1	39.9	40.4	-	-	-	-	
243	Millwork, plywood & related products	40.9	41.3	41.0	40.1	40.3	3.6	3.4	3.1	3.5	
2431	Millwork	-	40.5	40.1	39.4	39.5	-	-	-	-	
2432	Veneer and plywood	-	42.0	41.7	40.5	41.2	-	-	-	-	
244	Wooden containers	(*)	40.2	38.9	38.7	38.6	3.3	3.2	2.4	2.7	
2441,2	Wooden boxes, shoox, and crates	-	40.2	39.1	38.5	38.6	-	-	-	-	
249	Miscellaneous wood products	40.2	41.0	40.4	40.5	40.5	3.2	3.0	3.1	3.3	
25	FURNITURE AND FIXTURES	39.4	40.2	39.5	38.8	39.1	2.7	2.4	2.1	2.3	
251	Household furniture	39.2	40.3	39.6	38.4	38.7	2.8	2.4	2.0	2.2	
2511	Wood household furniture	-	41.0	40.4	38.6	39.3	-	-	-	-	
2512	Upholstered household furniture	-	39.4	38.3	37.9	37.2	-	-	-	-	
2515	Mattresses and bedsprings		40.0	39.0	38.8	38.9	-	-	-	-	
252	Office furniture	-	41.5	40.2	38.7	39.6	3.2	3.0	2.5	2.6	
254	Partitions and fixtures	-	39.9	39.4	40.7	40.1	2.4	2.0	2.8	2.5	
253,9	Other furniture and fixtures	38.5	39.1	38.6	39.6	40.1	1.9	1.7	2.4	2.7	
32	STONE, CLAY, AND GLASS PRODUCTS	42.1	42.2	41.7	41.3	41.5	4.8	4.4	4.4	4.3	
321	Flat glass	-	44.2	41.9	42.5	43.6	4.3	3.9	4.4	4.3	
322	Glass and glassware, pressed or blown	41.2	40.4	40.0	39.8	39.9	4.3	4.0	4.3	4.2	
3221	Glass containers	-	40.8	40.2	40.3	40.5	-	-	-	-	
3229	Pressed and blown glass, n e c	-	39.7	39.8	39.1	39.0	-	-	-	-	
324	Cement, hydraulic	(*)	41.9	41.7	41.9	41.9	3.3	2.8	2.9	3.0	
325	Structural clay products	41.2	41.0	41.0	40.1	40.3	4.0	3.7	3.5	3.5	
3251	Brick and structural clay tile	-	41.9	41.5	40.4	41.0	-	-	-	-	
326	Pottery and related products	39.4	39.1	38.6	38.5	-	2.1	1.8	1.7	1.8	
327	Concrete, gypsum and plaster products	45.1	45.0	43.6	43.8	43.8	7.2	6.6	6.5	6.4	
328,9	Other stone and nonmetallic mineral products	(*)	41.4	41.4	40.7	41.0	3.6	3.4	3.2	3.3	
3291	Abrasive products	-	38.5	38.7	37.3	38.3	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

82

**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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
Durable Goods--Continued											
33	PRIMARY METAL INDUSTRIES	\$172.16	\$173.86	\$170.98	\$159.96	\$159.54	\$4.23	\$4.22	\$4.16	\$3.94	\$3.92
331	Blast furnace and basic steel products ..	(*)	184.26	177.92	168.50	166.45	(*)	4.44	4.35	4.14	4.12
3312	Blast furnaces and steel mills	-	185.85	179.08	170.53	167.63	-	4.50	4.40	4.19	4.17
332	Iron and steel foundries	(*)	162.41	162.81	153.82	153.38	(*)	4.01	4.02	3.77	3.75
3321	Gray iron foundries	-	164.02	165.24	152.71	151.88	-	4.04	4.06	3.78	3.75
3322	Malleable iron foundries	-	175.03	172.86	165.57	166.03	-	4.29	4.30	4.16	4.13
3323	Steel foundries	-	154.75	153.54	152.82	152.82	-	3.84	3.81	3.63	3.63
333,4	Nonferrous metals	(*)	166.43	162.18	159.74	156.87	(*)	4.02	3.88	3.84	3.78
3334	Primary aluminum	-	180.45	172.63	170.96	167.68	-	4.50	4.19	4.18	4.13
335	Nonferrous rolling and drawing	(*)	164.30	166.92	149.78	151.98	(*)	3.94	3.90	3.68	3.68
3351	Copper rolling and drawing	-	175.20	171.83	148.37	154.01	-	4.00	3.95	3.70	3.72
3352	Aluminum rolling and drawing	-	164.02	171.90	153.38	152.56	-	4.07	3.97	3.75	3.73
3357	Nonferrous wire drawing and insulating	-	160.51	161.59	148.06	149.87	-	3.84	3.82	3.62	3.62
336	Nonferrous foundries	148.85	147.94	147.29	137.24	140.30	3.74	3.68	3.71	3.51	3.49
3361	Aluminum castings	-	151.10	150.82	137.39	140.80	-	3.74	3.78	3.55	3.52
3362,9	Other nonferrous castings	-	144.04	143.75	137.41	139.78	-	3.61	3.63	3.47	3.46
339	Miscellaneous primary metal products ..	180.50	181.93	178.16	161.92	168.06	4.49	4.47	4.41	4.12	4.16
3391	Iron and steel forgings	-	188.67	183.66	165.33	173.63	-	4.67	4.58	4.25	4.33
34	FABRICATED METAL PRODUCTS	149.95	153.38	151.84	144.79	145.49	3.73	3.75	3.74	3.54	3.54
341	Metal cans	206.09	199.35	192.66	183.06	177.76	4.59	4.50	4.47	4.05	4.04
342	Cutlery, hand tools, and hardware	140.54	144.00	143.90	130.02	133.46	3.54	3.60	3.59	3.30	3.32
3421,3,5	Cutlery and hand tools, incl. saws	-	137.66	136.91	127.01	128.95	-	3.45	3.44	3.24	3.24
3429	Hardware, n e c	-	147.97	149.08	132.66	136.89	-	3.69	3.69	3.35	3.38
343	Plumbing and heating, except electric	(*)	138.35	139.32	130.28	128.77	(*)	3.45	3.44	3.29	3.26
3431,2	Sanitary ware & plumbers' brass goods	-	140.24	143.50	131.04	130.48	-	3.48	3.50	3.36	3.32
3433	Heating equipment, except electric	-	136.46	135.60	129.85	128.16	-	3.42	3.39	3.23	3.22
344	Fabricated structural metal products	150.96	151.70	149.81	142.56	141.69	3.70	3.70	3.69	3.52	3.49
3441	Fabricated structural steel	-	157.59	155.21	146.50	143.38	-	3.77	3.74	3.53	3.48
3442	Metal doors, sash, and trim	-	126.05	124.34	117.90	117.99	-	3.12	3.14	3.00	3.01
3443	Fabricated plate work (boiler shops)	-	160.24	158.28	150.22	150.38	-	3.88	3.87	3.70	3.65
3444	Sheet metal work	-	160.79	157.21	149.23	148.83	-	3.98	3.94	3.74	3.73
3446,9	Architectural and misc. metal work	-	142.21	140.80	137.63	137.63	-	3.52	3.52	3.39	3.39
345	Screw machine products, bolts, etc	(*)	150.88	148.23	140.54	141.58	(*)	3.68	3.66	3.47	3.47
3451	Screw machine products	-	148.01	145.80	138.11	137.70	-	3.61	3.60	3.41	3.40
3452	Bolts, nuts, rivets, and washers	-	152.97	150.26	142.97	145.14	-	3.74	3.71	3.53	3.54
346	Metal stampings	(*)	168.92	167.69	168.95	171.78	(*)	4.09	4.08	3.92	3.94
347	Metal services, n e c	(*)	130.54	129.48	124.11	125.69	(*)	3.33	3.32	3.15	3.15
348	Misc. fabricated wire products	134.74	134.87	135.27	126.25	127.92	3.36	3.33	3.34	3.18	3.19
349	Misc. fabricated metal products	148.37	147.86	148.60	137.66	138.98	3.70	3.66	3.66	3.45	3.44
3494,8	Valves, pipe, and pipe fittings	-	149.54	151.40	140.58	141.45	-	3.72	3.72	3.55	3.51
35	MACHINERY, EXCEPT ELECTRICAL	160.39	162.79	160.39	153.06	155.32	3.98	3.99	3.97	3.77	3.77
351	Engines and turbines	(*)	178.45	179.29	163.94	170.14	(*)	4.45	4.46	4.14	4.17
3511	Steam engines and turbines	-	193.28	195.52	173.72	185.54	-	4.68	4.70	4.30	4.46
3519	Internal combustion engines, n e c	-	171.43	171.86	159.95	162.41	-	4.34	4.34	4.07	4.02
352	Farm machinery	-	162.81	159.59	146.20	147.29	-	4.04	3.97	3.72	3.71
353	Construction and related machinery	157.61	161.59	161.59	151.13	152.56	3.96	3.98	3.98	3.75	3.73
3531,2	Construction and mining machinery	-	168.09	170.98	157.14	157.87	-	4.13	4.16	3.88	3.86
3533	Oil field machinery	-	157.50	154.50	142.74	147.49	-	3.75	3.75	3.49	3.52
3535,6	Conveyors, hoists, cranes, monorails	-	155.54	152.00	149.11	149.74	-	3.85	3.80	3.70	3.67
3537	Industrial trucks and tractors	-	140.58	136.46	128.22	130.91	-	3.68	3.61	3.41	3.41
354	Metal working machinery	170.43	172.13	169.64	172.21	175.10	4.25	4.25	4.22	4.11	4.12
3541	Machin tools, metal cutting types	-	161.11	159.92	164.43	165.61	-	4.11	4.09	4.04	4.01
3544	Special dies, tools, jigs & fixtures	-	192.01	188.00	193.14	199.36	-	4.55	4.53	4.44	4.48
3545	Machin tool accessories	-	156.36	155.60	155.16	157.41	-	4.03	4.00	3.81	3.83
3542,8	Misc. metal working machinery	-	157.60	154.04	155.70	152.59	-	3.94	3.89	3.77	3.74
355	Special industry machinery	(*)	153.03	150.32	144.59	145.44	(*)	3.76	3.73	3.57	3.53
3551	Food products machinery	-	156.39	154.41	148.37	152.67	-	3.90	3.87	3.70	3.67
3552	Textile machinery	-	128.24	126.88	125.26	125.77	-	3.19	3.18	3.07	3.06
3555	Printing trades machinery	-	171.81	170.98	155.16	151.55	-	4.15	4.11	3.85	3.77
356	General industrial machinery	160.79	161.19	158.80	150.38	151.47	3.98	3.98	3.96	3.75	3.74
3561	Pumps and compressors	-	158.65	155.93	148.51	151.11	-	3.86	3.85	3.64	3.65
3562	Ball and roller bearings	-	166.04	162.37	149.77	149.38	-	4.12	4.09	3.87	3.84
3564	Blowers and fans	-	152.77	152.03	143.59	141.93	-	3.69	3.69	3.46	3.42
3566	Power transmission equipment	-	160.40	158.01	153.03	153.68	-	4.00	3.97	3.76	3.73
357	Office and computing machines	(*)	166.30	159.06	147.50	150.92	(*)	3.95	3.87	3.66	3.69
3573	Electronic computing equipment	-	177.72	167.45	153.18	154.34	-	4.03	3.94	3.70	3.71
358	Service industry machines	142.16	145.12	142.48	136.74	136.01	3.59	3.61	3.58	3.41	3.35
3585	Refrigeration machinery	-	148.67	146.00	138.98	137.97	-	3.68	3.65	3.44	3.39
359	Misc. machinery, except electrical	156.70	160.63	159.44	150.79	153.41	3.85	3.88	3.87	3.66	3.67

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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
<i>Durable Goods--Continued</i>											
33	PRIMARY METAL INDUSTRIES	40.7	41.2	41.1	40.6	40.7	-	3.4	3.3	3.0	3.1
331	Blast furnace and basic steel products	(*)	41.5	40.9	40.7	40.4	-	3.2	2.8	2.5	2.4
3312	Blast furnaces and steel mills	-	41.3	40.7	40.7	40.2	-	-	-	-	-
332	Iron and steel foundries	(*)	40.5	40.5	40.8	40.9	-	3.5	3.6	4.1	4.2
3321	Gray iron foundries	-	40.6	40.7	40.4	40.5	-	-	-	-	-
3322	Malleable iron foundries	-	40.8	40.2	39.8	40.2	-	-	-	-	-
3323	Steel foundries	-	40.3	40.3	42.1	42.1	-	-	-	-	-
333,4	Nonferrous metals	(*)	41.4	41.8	41.6	41.5	-	4.0	4.1	4.2	4.4
3334	Primary aluminum	-	40.1	41.2	40.9	40.6	-	-	-	-	-
335	Nonferrous rolling and drawing	(*)	41.7	42.8	40.7	41.3	-	4.2	4.7	3.2	3.7
3351	Copper rolling and drawing	-	43.8	43.5	40.1	41.4	-	-	-	-	-
3352	Aluminum rolling and drawing	-	40.3	43.3	40.9	40.9	-	-	-	-	-
3357	Nonferrous wire drawing and insulating	-	41.8	42.3	40.9	41.4	-	-	-	-	-
336	Nonferrous foundries	39.8	40.2	39.7	39.1	40.2	-	2.9	2.7	2.3	3.0
3361	Aluminum castings	-	40.4	39.9	38.7	40.0	-	-	-	-	-
3362,9	Other nonferrous castings	-	39.9	39.6	39.6	40.4	-	-	-	-	-
339	Miscellaneous primary metal products	40.2	40.7	40.4	39.3	40.4	-	3.4	3.0	2.7	3.5
3391	Iron and steel forgings	-	40.4	40.1	38.9	40.1	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	40.2	40.9	40.6	40.9	41.1	-	3.1	3.0	3.5	3.5
341	Metal cans	44.9	44.3	43.1	45.2	44.0	-	4.8	4.4	6.1	5.3
342	Cutlery, hand tools, and hardware	39.7	40.0	40.1	39.4	40.2	-	2.3	2.1	2.1	2.3
3421,3,5	Cutlery and hand tools, incl. saws	-	39.9	39.8	39.2	39.8	-	-	-	-	-
3429	Hardware, n e c	-	40.1	40.4	39.6	40.5	-	-	-	-	-
343	Plumbing and heating, except electric	(*)	40.1	40.5	39.6	39.5	-	2.6	2.5	2.4	2.3
3431,2	Sanitary ware & plumbers' brass goods	-	40.3	41.0	39.0	39.3	-	-	-	-	-
3433	Heating equipment, except electric	-	39.9	40.0	40.2	39.8	-	-	-	-	-
344	Fabricated structural metal products	40.8	41.0	40.6	40.5	40.6	-	3.1	2.8	3.1	3.0
3441	Fabricated structural steel	-	41.8	41.5	41.5	41.2	-	-	-	-	-
3442	Metal doors, sash, and trim	-	40.4	39.6	39.3	39.2	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	41.3	40.9	40.6	41.2	-	-	-	-	-
3444	Sheet metal work	-	40.4	39.9	39.9	39.9	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	40.4	40.0	40.6	40.6	-	-	-	-	-
345	Screw machine products, bolts, etc.	(*)	41.0	40.5	40.5	40.8	-	3.0	2.6	3.0	3.4
3451	Screw machine products	-	41.0	40.5	40.5	40.5	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	40.9	40.5	40.5	41.0	-	-	-	-	-
346	Metal stampings	(*)	41.3	41.1	43.1	43.6	-	3.6	3.5	5.1	5.3
347	Metal services, n e c	(*)	39.2	39.0	39.4	39.9	-	3.6	4.0	3.9	4.2
348	Misc. fabricated wire products	40.1	40.5	40.5	39.7	40.1	-	2.9	2.8	2.7	2.8
349	Misc. fabricated metal products	40.1	40.4	40.6	39.9	40.4	-	2.6	2.6	2.6	2.8
3494,8	Valves, pipe, and pipe fittings	-	40.2	40.7	39.6	40.3	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	40.3	40.8	40.4	40.6	41.2	-	2.6	2.4	2.8	3.3
351	Engines and turbines	(*)	40.1	40.2	39.6	40.8	-	2.9	3.1	3.0	3.7
3511	Steam engines and turbines	-	41.3	41.6	40.4	41.6	-	-	-	-	-
3519	Internal combustion engines, n e c	-	39.5	39.6	39.3	40.4	-	-	-	-	-
352	Farm machinery	-	40.3	40.2	39.3	39.7	-	2.2	2.0	1.8	2.4
353	Construction and related machinery	39.8	40.6	40.6	40.3	40.9	-	2.8	2.7	2.6	2.8
3531,2	Construction and mining machinery	-	40.7	41.1	40.5	40.9	-	-	-	-	-
3533	Oil field machinery	-	42.0	41.2	40.9	41.9	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	40.4	40.0	40.3	40.8	-	-	-	-	-
3537	Industrial trucks and tractors	-	38.2	37.8	37.6	38.4	-	-	-	-	-
354	Metal working machinery	40.1	40.5	40.2	41.9	42.5	-	2.4	2.2	3.9	4.5
3541	Machine tools, metal cutting types	-	39.2	39.1	40.7	41.3	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	42.2	41.5	43.5	44.5	-	-	-	-	-
3545	Machinist tool accessories	-	38.8	38.9	40.2	41.1	-	-	-	-	-
3548	Misc. metal working machinery	-	40.0	39.6	41.3	40.8	-	-	-	-	-
355	Special industry machinery	(*)	40.7	40.3	40.5	41.2	-	2.5	2.1	2.8	3.1
3551	Food products machinery	-	40.1	39.9	40.1	41.6	-	-	-	-	-
3552	Textile machinery	-	40.2	39.9	40.8	41.1	-	-	-	-	-
3555	Printing trades machinery	-	41.4	41.6	40.3	40.2	-	-	-	-	-
356	General industrial machinery	40.4	40.5	40.1	40.1	40.5	-	2.4	1.9	2.5	2.9
3561	Pumps and compressors	-	41.1	40.5	40.8	41.4	-	-	-	-	-
3562	Ball and roller bearings	-	40.3	39.7	38.7	38.9	-	-	-	-	-
3564	Blowers and fans	-	41.4	41.2	41.5	41.5	-	-	-	-	-
3566	Power transmission equipment	-	40.1	39.8	40.7	41.2	-	-	-	-	-
357	Office and computing machines	(*)	42.1	41.1	40.3	40.9	-	2.6	1.7	1.4	2.4
3573	Electronic computing equipment	-	44.1	42.5	41.4	41.6	-	-	-	-	-
358	Service industry machines	39.6	40.2	39.8	40.1	40.6	-	2.1	1.8	2.8	2.8
3585	Refrigeration machinery	-	40.4	40.0	40.4	40.7	-	-	-	-	-
359	Misc. machinery, except electrical	40.7	41.4	41.2	41.2	41.8	-	3.5	3.4	3.6	4.1

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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES...	\$138.25	\$140.35	\$139.30	\$132.14	\$130.68	\$3.50	\$3.50	\$3.50	\$3.32	\$3.30
361	Electric test & distributing equipment	153.75	148.64	149.11	141.86	139.66	3.75	3.67	3.70	3.46	3.44
3611	Electric measuring instruments	-	129.82	129.23	122.53	121.44	-	3.27	3.28	3.11	3.09
3612	Transformers	-	143.64	144.11	145.12	141.80	-	3.60	3.63	3.48	3.45
3613	Switchgear and switchboard apparatus..	-	165.59	165.21	153.50	150.84	-	3.99	4.01	3.69	3.67
362	Electrical industrial apparatus.....	(*)	143.56	142.80	139.32	137.30	(*)	3.58	3.57	3.44	3.39
3621	Motors and generators	-	145.96	145.48	143.85	141.51	-	3.64	3.61	3.50	3.46
3622	Industrial controls	-	137.66	136.62	129.20	127.59	-	3.45	3.45	3.33	3.23
363	Household appliances	(*)	153.30	150.59	140.19	140.24	(*)	3.73	3.70	3.47	3.48
3632	Household refrigerators and freezers ..	-	171.78	166.42	159.00	154.54	-	4.09	4.01	3.75	3.76
3633	Household laundry equipment	-	168.20	157.95	148.00	150.72	-	3.93	3.90	3.70	3.74
3634	Electric housewares and fans	-	119.47	120.38	110.87	112.50	-	3.04	3.04	2.85	2.87
364	Electric lighting and wiring equipment ..	126.67	130.35	130.08	121.37	123.60	3.29	3.30	3.31	3.12	3.09
3641	Electric lamps	-	131.99	131.54	125.05	127.98	-	3.35	3.33	3.19	3.16
3642	Lighting fixtures	-	132.60	132.70	121.59	126.48	-	3.40	3.42	3.15	3.17
3643,4	Wiring devices	-	127.36	127.04	118.65	118.70	-	3.20	3.20	3.05	2.99
365	Radio and TV receiving equipment	(*)	123.31	122.36	115.92	115.13	(*)	3.17	3.17	2.98	3.07
366	Communication equipment	(*)	151.13	150.75	145.20	145.71	(*)	3.75	3.75	3.63	3.58
3661	Telephone and telegraph apparatus	-	145.67	144.14	139.39	144.20	-	3.66	3.64	3.52	3.50
3662	Radio and TV communication equipment ..	-	156.20	157.08	150.29	147.50	-	3.83	3.85	3.72	3.66
367	Electronic components and accessories ..	(*)	119.99	119.08	111.94	111.93	(*)	3.03	3.03	2.90	2.87
3671-3	Electron tubes	-	132.40	131.67	127.53	126.40	-	3.31	3.30	3.27	3.20
3674,9	Other electronic components	-	116.92	115.74	108.57	108.92	-	2.96	2.96	2.82	2.80
369	Misc. electrical equipment & supplies...	156.75	157.53	155.99	141.20	143.02	3.88	3.88	3.89	3.53	3.54
3694	Engine electrical equipment	-	165.24	165.24	147.97	150.66	-	4.05	4.09	3.69	3.72
37	TRANSPORTATION EQUIPMENT	174.68	184.26	183.34	166.06	170.56	4.40	4.44	4.45	4.08	4.10
371	Motor vehicles and equipment	(*)	200.55	198.55	177.21	183.61	(*)	4.73	4.75	4.27	4.29
3711	Motor vehicles	-	204.73	203.84	178.23	188.76	-	4.84	4.90	4.39	4.40
3712	Passenger car bodies	-	222.65	225.41	191.63	191.27	-	5.19	5.17	4.72	4.62
3713	Truck and bus bodies	-	152.36	148.06	137.86	138.80	-	3.79	3.72	3.49	3.47
3714	Motor vehicle parts and accessories ..	-	200.73	196.14	182.33	185.32	-	4.69	4.67	4.26	4.27
3715	Truck trailers	-	142.00	135.93	129.36	129.10	-	3.55	3.45	3.30	3.26
372	Aircraft and parts	(*)	176.23	175.82	166.87	166.87	(*)	4.33	4.32	4.10	4.08
3721	Aircraft	-	181.79	180.48	167.68	167.69	-	4.37	4.37	4.12	4.11
3722	Aircraft engines and engine parts	-	171.35	172.30	165.22	164.42	-	4.36	4.34	4.11	4.09
3723,9	Other aircraft parts and equipment	-	168.05	169.72	167.25	167.60	-	4.17	4.17	4.03	4.00
373	Ship and boat building and repairing	(*)	155.59	153.65	148.19	148.16	(*)	3.88	3.88	3.79	3.77
3731	Ship building and repairing	-	163.61	161.15	155.24	154.06	-	4.08	4.09	3.93	3.92
3732	Boat building and repairing	-	128.32	128.47	117.81	124.19	-	3.20	3.18	3.15	3.16
374	Railroad equipment	-	184.74	187.22	165.15	169.70	-	4.63	4.60	4.16	4.19
375,9	Other transportation equipment	-	133.72	132.99	119.42	120.65	-	3.31	3.30	3.07	3.07
38	INSTRUMENTS AND RELATED PRODUCTS ...	140.10	139.70	139.70	132.87	133.39	3.52	3.51	3.51	3.33	3.31
381	Engineering & scientific instruments	-	161.98	160.78	148.16	149.92	-	4.08	4.06	3.77	3.72
382	Mechanical measuring & control devices ..	(*)	135.68	135.63	131.01	131.08	(*)	3.47	3.46	3.30	3.31
3821	Mechanical measuring devices	-	137.20	137.02	133.46	135.34	-	3.50	3.46	3.32	3.35
3822	Automatic temperature controls	-	133.82	134.25	127.20	125.51	-	3.44	3.44	3.27	3.26
383,5	Optical and ophthalmic goods	(*)	127.52	126.64	121.57	123.22	(*)	3.18	3.19	3.07	3.05
385	Ophthalmic goods	-	117.32	117.41	112.97	113.72	-	2.97	2.98	2.86	2.85
384	Medical instruments and supplies	122.93	123.29	122.89	111.27	112.90	3.12	3.09	3.08	2.89	2.88
386	Photographic equipment and supplies	168.84	170.11	170.93	162.18	161.77	4.20	4.19	4.21	3.88	3.87
387	Watches, clocks, and watchcases	-	113.29	111.25	113.02	114.62	-	2.89	2.86	2.77	2.83
39	MISC. MANUFACTURING INDUSTRIES ..	112.69	114.85	114.37	108.29	108.75	2.95	2.96	2.94	2.82	2.81
391	Jewelry, silverware, and plated ware	123.59	126.49	125.32	115.97	119.03	3.21	3.26	3.23	3.06	3.06
394	Toys and sporting goods	-	103.30	103.83	98.30	98.04	-	2.69	2.69	2.58	2.58
3941-3	Games, toys, dolls & play vehicles	-	98.17	98.04	94.12	92.63	-	2.57	2.58	2.49	2.49
3949	Sporting and athletic goods, n.e.c.	-	109.80	110.43	104.49	105.96	-	2.83	2.81	2.70	2.71
395	Pens, pencils, office and art supplies	-	118.69	116.79	107.54	112.03	-	3.02	3.01	2.86	2.88
396	Costume jewelry and notions	-	106.47	105.54	99.85	100.22	-	2.73	2.72	2.58	2.55
393,9	Other manufacturing industries	(*)	122.46	122.38	116.79	116.70	(*)	3.14	3.13	3.01	3.00
393	Musical instruments and parts	-	122.98	120.50	111.34	113.58	-	3.09	3.02	2.93	2.95
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	137.02	136.89	136.21	128.61	127.58	3.40	3.38	3.38	3.16	3.15
201	Meat products	141.80	145.49	145.25	137.76	136.26	3.51	3.54	3.56	3.36	3.33
2011	Meat packing plants	-	178.48	178.48	166.43	164.72	-	4.17	4.17	4.02	3.95
2013	Sausages and other prepared meats	-	157.99	152.48	152.72	147.60	-	3.93	3.88	3.68	3.60
2015	Poultry dressing plants	-	86.91	85.12	87.02	85.32	-	2.24	2.24	2.17	2.16

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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES .	39.5	40.1	39.8	39.8	39.6	-	2.0	1.9	2.3	2.4
361	Electric test & distributing equipment .	41.0	40.5	40.3	41.0	40.6	-	2.1	2.0	2.7	2.5
3611	Electric measuring instruments	-	39.7	39.4	39.4	39.3	-	-	-	-	-
3612	Transformers.....	-	39.9	39.7	41.7	41.1	-	-	-	-	-
3613	Switchgear and switchboard apparatus.	-	41.5	41.2	41.6	41.1	-	-	-	-	-
362	Electrical industrial apparatus	(*)	40.1	40.0	40.5	40.5	-	2.2	1.8	2.8	2.9
3621	Motors and generators	-	40.1	40.3	41.1	40.9	-	-	-	-	-
3622	Industrial controls	-	39.9	39.6	38.8	39.5	-	-	-	-	-
363	Household appliances	(*)	41.1	40.7	40.4	40.3	-	2.9	2.5	3.2	2.7
3632	Household refrigerators and freezers .	-	42.0	41.5	42.4	41.1	-	-	-	-	-
3633	Household laundry equipment.....	-	42.8	40.5	40.0	40.3	-	-	-	-	-
3634	Electric housewares and fans	-	39.3	39.6	38.9	39.2	-	-	-	-	-
364	Electric lighting and wiring equipment .	38.5	39.5	39.3	38.9	40.0	-	1.6	1.7	1.9	2.2
3641	Electric lamps	-	39.4	39.5	39.2	40.5	-	-	-	-	-
3642	Lighting fixtures	-	39.0	38.8	38.6	39.9	-	-	-	-	-
3643,4	Wiring devices	-	39.8	39.7	38.9	39.7	-	-	-	-	-
365	Radio and TV receiving equipment	(*)	38.9	38.6	38.9	37.5	-	1.7	1.6	1.7	1.0
366	Communication equipment	(*)	40.3	40.2	40.0	40.7	-	1.9	1.9	2.1	3.0
3661	Telephone and telegraph apparatus	-	39.8	39.6	39.6	41.2	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.8	40.8	40.4	40.3	-	-	-	-	-
367	Electronic components and accessories	(*)	39.6	39.3	38.6	39.0	-	1.7	1.6	1.7	1.7
3671-3	Electron tubes	-	40.0	39.9	39.0	39.5	-	-	-	-	-
3674,9	Other electronic components.....	-	39.5	39.1	38.5	38.9	-	-	-	-	-
369	Misc. electrical equipment & supplies...	40.4	40.6	40.1	40.0	40.4	-	2.3	2.2	2.1	2.3
3694	Engine electrical equipment.....	-	40.8	40.4	40.1	40.5	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT .	39.7	41.5	41.2	40.7	41.6	-	3.3	3.2	3.4	3.7
371	Motor vehicles and equipment	(*)	42.4	41.8	41.5	42.8	-	3.9	3.9	4.3	4.8
3711	Motor vehicles	-	42.3	41.6	40.6	42.9	-	-	-	-	-
3712	Passenger car bodies	-	42.9	43.6	40.6	41.4	-	-	-	-	-
3713	Truck and bus bodies	-	40.2	39.8	39.5	40.0	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	42.8	42.0	42.8	43.4	-	-	-	-	-
3715	Truck trailers	-	40.0	39.4	39.2	39.6	-	-	-	-	-
372	Aircraft and parts	(*)	40.7	40.7	40.7	40.9	-	2.0	1.9	2.5	2.5
3721	Aircraft	-	41.6	41.3	40.7	40.8	-	-	-	-	-
3722	Aircraft engines and engine parts	-	39.3	39.7	40.2	40.2	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	40.3	40.7	41.5	41.9	-	-	-	-	-
373	Ship and boat building and repairing	(*)	40.1	39.6	39.1	39.3	-	3.4	2.8	2.4	2.5
3731	Ship building and repairing	-	40.1	39.4	39.5	39.3	-	-	-	-	-
3732	Boat building and repairing	-	40.1	40.4	37.4	39.3	-	-	-	-	-
374	Railroad equipment	-	39.9	40.7	39.7	40.5	-	3.2	3.4	3.0	3.1
375,9	Other transportation equipment	-	40.4	40.3	38.9	39.3	-	2.9	2.9	2.6	2.5
38	INSTRUMENTS AND RELATED PRODUCTS..	39.8	39.8	39.8	39.9	40.3	-	1.9	1.9	2.2	2.4
381	Engineering & scientific instruments....	-	39.7	39.6	39.3	40.3	-	1.7	1.7	2.2	2.3
382	Mechanical measuring & control devices	(*)	39.1	39.2	39.7	39.6	-	1.6	1.9	2.7	2.4
3821	Mechanical measuring devices.....	-	39.2	39.6	40.2	40.4	-	-	-	-	-
3822	Automatic temperature controls	-	38.9	38.8	38.9	38.5	-	-	-	-	-
383,5	Optical and ophthalmic goods	(*)	40.1	39.7	39.6	40.4	-	2.0	1.6	2.2	2.5
385	Ophthalmic goods	-	39.5	39.4	39.5	39.9	-	1.7	1.6	2.1	2.1
384	Medical instruments and supplies.....	39.4	39.9	39.9	38.5	39.2	-	1.9	2.1	1.5	1.8
386	Photographic equipment and supplies....	40.2	40.6	40.6	41.8	41.8	-	2.3	2.2	2.2	2.6
387	Watches, clocks, and watch cases	-	39.2	38.9	40.8	40.5	-	1.4	1.4	2.1	2.7
39	MISC. MANUFACTURING INDUSTRIES .	38.2	38.8	38.9	38.4	38.7	-	2.0	2.0	1.7	2.1
391	Jewelry, silverware, and plated ware....	38.5	38.8	38.8	37.9	38.9	-	2.4	2.4	1.3	1.9
394	Toys and sporting goods.....	-	38.4	38.6	38.1	38.0	-	1.9	1.8	1.6	1.9
3941-3	Games, toys, dolls, & play vehicles	-	38.2	38.0	37.8	37.2	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.....	-	38.8	39.3	38.7	39.1	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.3	38.8	37.6	38.9	-	1.1	.8	1.1	1.6
396	Costume jewelry and notions	-	39.0	38.8	38.7	39.3	-	2.3	2.3	1.6	2.5
393,9	Other manufacturing industries	(*)	39.0	39.1	38.8	38.9	-	2.1	2.1	1.9	2.2
393	Musical instruments and parts	-	39.8	39.9	38.0	38.5	-	2.2	2.3	1.0	1.4
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	40.3	40.5	40.3	40.7	40.5	-	3.9	3.7	4.2	4.0
201	Meat products.....	40.4	41.1	40.8	41.0	40.9	-	4.5	4.4	4.5	4.5
2011	Meat packing plants	-	42.8	42.8	41.4	41.7	-	-	-	-	-
2013	Sausages and other prepared meats ...	-	40.2	39.3	41.5	41.0	-	-	-	-	-
2015	Poultry dressing plants	-	38.8	38.0	40.1	39.5	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		July 1971P	June 1971P	May 1971	July 1970	June 1970	July 1971P	June 1971P	May 1971	July 1970	June 1970	
<i>Nondurable Goods--Continued</i>												
FOOD AND KINDRED PRODUCTS--Continued												
202	Dairy products	\$144.82	\$143.64	\$140.56	\$136.63	\$135.46	\$3.44	\$3.42	\$3.42	\$3.23	\$3.21	
2024	Ice cream and frozen desserts	-	135.05	131.13	131.86	131.58	-	3.27	3.27	3.11	3.06	
2026	Fluid milk	-	150.78	149.34	144.93	141.96	-	3.59	3.59	3.41	3.38	
203	Canned, cured, and frozen foods.....	-	105.65	110.59	101.38	98.89	-	2.84	2.88	2.64	2.63	
2031,6	Canned, cured, and frozen sea foods.....	-	90.68	88.67	89.18	79.40	-	2.54	2.47	2.45	2.37	
2032,3	Canned food, except sea foods.....	-	112.55	123.24	105.69	106.58	-	3.05	3.16	2.71	2.79	
2037	Frozen fruits and vegetables	-	96.14	98.69	94.37	94.22	-	2.55	2.55	2.53	2.46	
204	Grain mill products	(*)	152.64	148.18	148.53	143.04	(*)	3.43	3.43	3.25	3.20	
2041	Flour and other grain mill products	-	163.80	156.28	155.82	147.60	-	3.60	3.56	3.38	3.28	
2042	Prepared feeds for animals and fowls..	-	137.05	132.90	132.16	126.96	-	2.96	3.00	2.80	2.76	
205	Bakery products.....	140.10	137.02	134.41	129.92	127.51	3.52	3.46	3.42	3.24	3.22	
2051	Bread, cake, and related products	-	139.39	136.37	131.60	129.17	-	3.52	3.47	3.29	3.27	
2052	Cookies and crackers	-	129.82	127.40	124.03	122.31	-	3.27	3.25	3.07	3.05	
206	Sugar.....	-	149.69	143.19	135.94	136.75	-	3.78	3.70	3.34	3.36	
207	Confectionery and related products	(*)	117.81	117.11	110.43	111.72	(*)	2.99	2.98	2.81	2.80	
2071	Confectionery products	-	114.07	113.10	105.49	107.84	-	2.91	2.90	2.74	2.73	
208	Beverages	(*)	159.51	155.59	148.42	147.33	(*)	3.90	3.88	3.62	3.62	
2082	Malt liquors	-	216.91	208.98	195.76	197.71	-	5.14	5.06	4.74	4.73	
2086	Bottled and canned soft drinks	-	119.43	114.16	116.34	111.38	-	2.92	2.89	2.79	2.75	
209	Misc. foods and kindred products	136.29	135.62	133.99	126.07	126.18	3.30	3.26	3.25	3.09	3.07	
21	TOBACCO MANUFACTURES	121.77	119.97	125.07	113.63	115.14	3.30	3.26	3.30	3.03	3.03	
211	Cigarettes	-	138.62	147.83	133.70	135.10	-	3.84	3.88	3.50	3.50	
212	Cigars	-	85.27	85.50	80.08	81.47	-	2.28	2.28	2.20	2.22	
22	TEXTILE MILL PRODUCTS	103.94	104.96	103.94	96.96	97.93	2.56	2.56	2.56	2.43	2.43	
221	Weaving mills, cotton	103.22	103.12	102.87	99.53	98.81	2.53	2.54	2.54	2.41	2.41	
222	Weaving mills, synthetics	(*)	109.36	108.58	99.38	100.78	(*)	2.61	2.61	2.46	2.47	
223	Weaving and finishing mills, wool	(*)	106.40	104.68	97.75	102.56	(*)	2.68	2.65	2.50	2.52	
224	Narrow fabric mills	99.79	101.75	101.66	94.43	97.20	2.52	2.50	2.51	2.44	2.43	
225	Knitting mills	95.45	95.31	94.33	90.30	91.48	2.46	2.45	2.45	2.37	2.37	
2251	Women's hosiery, except socks	-	85.08	82.96	87.08	88.22	-	2.37	2.35	2.36	2.34	
2252	Hosiery, n.e.c.	-	84.52	84.00	81.27	80.04	-	2.23	2.24	2.15	2.14	
2253	Knit outerwear mills	-	98.67	98.16	93.21	94.60	-	2.53	2.53	2.44	2.47	
2254	Knit underwear mills	-	88.78	89.01	81.18	82.06	-	2.30	2.30	2.20	2.20	
226	Textile finishing, except wool	113.16	117.43	115.63	104.60	106.40	2.74	2.75	2.74	2.57	2.57	
227	Floor covering mills	-	115.94	113.10	105.98	107.10	-	2.69	2.68	2.56	2.55	
228	Yarn and thread mills	98.47	101.52	100.50	89.04	90.35	2.39	2.40	2.41	2.26	2.27	
229	Miscellaneous textile goods	120.18	123.54	121.38	110.03	110.84	2.91	2.90	2.89	2.71	2.71	
23	APPAREL AND OTHER TEXTILE PRODUCTS	88.43	88.29	87.69	84.61	84.25	2.47	2.48	2.47	2.39	2.38	
231	Men's and boys' suits and coats	(*)	106.70	104.05	101.21	104.30	(*)	3.12	2.99	2.90	2.98	
232	Men's and boys' furnishings	79.34	80.72	79.64	76.13	77.17	2.15	2.17	2.17	2.08	2.08	
2321	Men's and boys' shirts and nightwear	-	77.80	76.83	74.66	75.52	-	2.12	2.14	2.04	2.03	
2327	Men's and boys' separate trousers	-	81.81	80.78	76.43	77.58	-	2.17	2.16	2.06	2.08	
2328	Men's and boys' work clothing	-	76.96	76.13	73.73	74.74	-	2.08	2.08	2.02	2.02	
233	Women's and misses' outerwear	(*)	87.91	88.97	87.02	83.74	(*)	2.64	2.64	2.59	2.53	
2331	Women's and misses' blouses and waists	-	80.83	79.87	79.22	77.40	-	2.42	2.37	2.33	2.25	
2335	Women's and misses' dresses	-	88.28	92.24	88.23	83.32	-	2.75	2.77	2.69	2.62	
2337	Women's and misses' suits and coats	-	100.50	95.48	99.87	95.08	-	3.00	2.92	2.99	2.89	
2339	Women's and misses' outerwear, n.e.c.	-	80.10	80.94	77.17	77.75	-	2.25	2.28	2.18	2.19	
234	Women's and children's undergarments	82.58	82.08	80.59	77.69	77.47	2.25	2.28	2.27	2.17	2.17	
2341	Women's and children's underwear	-	79.34	78.10	76.32	75.75	-	2.21	2.20	2.12	2.11	
2342	Corsets and allied garments	-	88.81	87.22	82.01	81.08	-	2.46	2.45	2.31	2.31	
235	Hats, caps, and millinery	-	82.04	81.00	80.71	78.98	-	2.26	2.25	2.28	2.20	
236	Children's outerwear	(*)	83.39	81.42	79.92	79.92	(*)	2.31	2.30	2.22	2.22	
2361	Children's dresses and blouses	-	82.94	81.77	77.57	79.78	-	2.26	2.31	2.21	2.21	
237,8	Fur goods and miscellaneous apparel	-	91.65	90.17	88.64	87.93	-	2.56	2.54	2.49	2.47	
239	Misc. fabricated textile products	(*)	99.82	97.88	91.14	92.88	(*)	2.62	2.61	2.45	2.49	
2391,2	Housefurnishings	-	85.05	84.07	80.72	79.27	-	2.25	2.26	2.17	2.16	
26	PAPER AND ALLIED PRODUCTS	156.77	154.82	152.04	144.70	142.61	3.68	3.66	3.62	3.47	3.42	
261,2,6	Paper and pulp mills	(*)	177.72	174.59	166.99	162.06	(*)	4.03	3.95	3.83	3.76	
263	Paperboard mills	181.63	182.82	179.08	175.95	167.14	4.10	4.09	4.07	3.91	3.79	
264	Misc. converted paper products	136.61	135.86	133.39	125.51	125.02	3.34	3.33	3.31	3.13	3.11	
2643	Bags, except textile bags	-	128.88	126.72	120.59	119.50	-	3.23	3.20	3.03	2.98	
265	Paperboard containers and boxes	(*)	139.40	136.82	127.12	128.70	(*)	3.40	3.37	3.17	3.17	
2651,2	Folding and setup paperboard boxes	-	129.12	127.76	117.41	121.00	-	3.22	3.21	2.98	3.01	
2653	Corrugated and solid fiber boxes	-	148.04	143.91	134.46	135.71	-	3.55	3.51	3.32	3.31	
2654	Sanitary food containers	-	136.04	134.97	130.21	129.37	-	3.31	3.30	3.13	3.14	

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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
<i>Nondurable Goods--Continued</i>											
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products.....	42.1	42.0	41.1	42.3	42.2	-	4.2	3.8	4.5	4.5
2024	Ice cream and frozen desserts.....	-	41.3	40.1	42.4	43.0	-	-	-	-	-
2026	Fluid milk.....	-	42.0	41.6	42.5	42.0	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	37.2	38.4	38.4	37.6	-	2.7	3.0	3.2	3.0
2031,6	Canned, cured and frozen sea foods.....	-	35.7	35.9	36.4	33.5	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	36.9	39.0	39.0	38.2	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	37.7	38.7	37.3	38.3	-	-	-	-	-
204	Grain mill products.....	(*)	44.5	43.2	45.7	44.7	-	6.2	5.3	7.4	6.5
2041	Flour and other grain mill product ..	-	45.5	43.9	46.1	45.0	-	-	-	-	-
2042	Prepared feeds for animals and fowls ..	-	46.3	44.3	47.2	46.0	-	-	-	-	-
205	Bakery products.....	39.8	39.6	39.3	40.1	39.6	-	3.3	3.2	3.7	3.4
2051	Bread, cake, and related products ..	-	39.6	39.3	40.0	39.5	-	-	-	-	-
2052	Cookies and crackers.....	-	39.7	39.2	40.4	40.1	-	-	-	-	-
206	Sugar.....	-	39.6	38.7	40.7	40.7	-	4.2	2.9	4.0	3.8
207	Confectionery and related products ..	(*)	39.4	39.3	39.3	39.9	-	2.3	2.2	2.2	2.9
2071	Confectionery products.....	-	39.2	39.0	38.5	39.5	-	-	-	-	-
208	Beverages.....	(*)	40.9	40.1	41.0	40.7	-	3.8	3.3	3.9	3.7
2082	Malt liquors	-	42.2	41.3	41.3	41.8	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	40.9	39.5	41.7	40.5	-	-	-	-	-
209	Misc. foods and kindred products.....	41.3	41.6	41.2	40.8	41.1	-	4.5	4.1	4.4	4.1
21	TOBACCO MANUFACTURES	36.9	36.8	37.9	37.5	38.0	-	1.7	2.0	1.5	1.4
211	Cigarettes.....	-	36.1	38.1	38.2	38.6	-	1.9	2.4	2.1	1.5
212	Cigars.....	-	37.4	37.5	36.4	36.7	-	1.5	1.3	.5	1.1
22	TEXTILE MILL PRODUCTS.....	40.6	41.0	40.6	39.9	40.3	-	4.0	3.7	3.1	3.3
221	Weaving mills, cotton.....	40.8	40.6	40.5	41.3	41.0	-	3.9	3.7	4.0	3.8
222	Weaving mills, synthetics	(*)	41.9	41.6	40.4	40.8	-	4.1	3.8	2.7	3.3
223	Weaving and finishing mills, wool	(*)	39.7	39.5	39.1	40.7	-	2.8	2.4	2.6	3.4
224	Narrow fabric mills.....	39.6	40.7	40.5	38.7	40.0	-	2.9	2.6	2.0	2.4
225	Knitting mills.....	38.8	38.9	38.5	38.1	38.6	-	2.8	2.7	2.5	2.7
2251	Women's hosiery, except socks.....	-	35.9	35.3	36.9	37.7	-	-	-	-	-
2252	Hosiery, n.e.c	-	37.9	37.5	37.8	37.4	-	-	-	-	-
2253	Knit outerwear mills.....	-	39.0	38.8	38.2	38.3	-	-	-	-	-
2254	Knit underwear mills.....	-	38.6	38.7	36.9	37.3	-	-	-	-	-
226	Textile finishing, except wool	41.3	42.7	42.2	40.7	41.4	-	5.2	4.6	3.4	4.0
227	Floor covering mills.....	-	43.1	42.2	41.4	42.0	-	5.0	4.5	3.6	3.6
228	Yarn and thread mills.....	41.2	42.3	41.7	39.4	39.8	-	4.8	4.6	2.9	3.3
229	Miscellaneous textile goods	41.3	42.6	42.0	40.6	40.9	-	4.7	4.2	3.3	3.6
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.8	35.6	35.5	35.4	35.4	-	1.2	1.2	1.0	1.2
231	Men's and boys' suits and coats	(*)	34.2	34.8	34.9	35.0	-	.4	.7	.3	.8
232	Men's and boys' furnishings	36.9	37.2	36.7	36.6	37.1	-	1.3	1.3	1.1	1.3
2321	Men's and boys' shirts and nightwear	-	36.7	35.9	36.6	37.2	-	-	-	-	-
2327	Men's and boys' separate trousers	-	37.7	37.4	37.1	37.3	-	-	-	-	-
2328	Men's and boys' work clothing	-	37.0	36.6	36.5	37.0	-	-	-	-	-
233	Women's and misses' outerwear	(*)	33.3	33.7	33.6	33.1	-	1.0	1.1	1.0	1.1
2331	Women's and misses' blouses and waists	-	33.4	33.7	34.0	34.4	-	-	-	-	-
2335	Women's and misses' dresses	-	32.1	33.3	32.8	31.8	-	-	-	-	-
2337	Women's and misses' suits and coats	-	33.5	32.7	33.4	32.9	-	-	-	-	-
2339	Women's and misses' outerwear, n.e.c	-	35.6	35.5	35.4	35.5	-	-	-	-	-
234	Women's and children's undergarments	36.7	36.0	35.5	35.8	35.7	-	1.2	1.0	1.2	1.1
2341	Women's and children's underwear	-	35.9	35.5	36.0	35.9	-	-	-	-	-
2342	Corsets and allied garments	-	36.1	35.6	35.5	35.1	-	-	-	-	-
235	Hats, caps, and millinery	-	36.3	36.0	35.4	35.9	-	.8	.7	.8	.9
236	Children's outerwear	(*)	36.1	35.4	36.0	36.0	-	1.3	1.2	1.2	1.3
2361	Children's dresses and blouses	-	36.7	35.4	35.1	36.1	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel	-	35.8	35.5	35.6	35.6	-	.9	1.0	.8	.9
239	Misc. fabricated textile products	(*)	38.1	37.5	37.2	37.3	-	1.9	1.7	1.5	1.6
2391,2	Housefurnishings	-	37.8	37.2	37.2	36.7	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS	42.6	42.3	42.0	41.7	41.7	-	4.5	4.3	4.4	4.5
261,2,6	Paper and pulp mills	(*)	44.1	44.2	43.6	43.1	-	5.8	5.7	5.8	5.7
263	Paperboard mills	44.3	44.7	44.0	45.0	44.1	-	7.2	7.0	7.2	6.8
264	Misc. converted paper products	40.9	40.8	40.3	40.1	40.2	-	3.2	2.9	2.9	3.0
2643	Bags, except textile bags	-	39.9	39.6	39.8	40.1	-	-	-	-	-
265	Paperboard containers and boxes	(*)	41.0	40.6	40.1	40.6	-	3.6	3.2	3.3	3.7
2651,2	Folding and setup paperboard boxes	-	40.1	39.8	39.4	40.2	-	-	-	-	-
2653	Corrugated and solid fiber boxes	-	41.7	41.0	40.5	41.0	-	-	-	-	-
2654	Sanitary food containers	-	41.1	40.9	41.6	41.2	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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**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				
		July 1971 ^p	June 1971 ^p	May 1971	July 1970	June 1970	July 1971 ^p	June 1971 ^p	May 1971	July 1970	June 1970
Nondurable Goods--Continued											
27	PRINTING AND PUBLISHING	\$157.50	\$157.96	\$157.17	\$148.18	\$147.03	\$4.20	\$4.19	\$4.18	\$3.92	\$3.90
271	Newspapers.....	162.73	164.01	161.46	149.39	151.01	4.61	4.62	4.60	4.22	4.23
272	Periodicals.....	-	173.20	165.39	168.90	168.89	-	4.33	4.23	4.16	4.17
273	Books.....	-	148.55	147.26	135.80	135.76	-	3.78	3.70	3.50	3.49
275	Commercial printing	162.35	162.86	162.09	154.81	152.86	4.25	4.23	4.21	3.99	3.96
2751	Commercial printing, ex. lithographic	-	157.47	157.44	150.54	149.00	-	4.09	4.10	3.88	3.86
2752	Commercial printing, lithographic	-	171.38	169.45	161.44	159.03	-	4.44	4.39	4.15	4.12
278	Blankbooks and bookbinding	122.11	122.05	119.76	113.84	111.89	3.18	3.17	3.16	2.98	2.96
274,6,7,9	Other publishing & printing ind.....	153.44	154.60	155.83	146.30	144.40	4.07	4.09	4.09	3.85	3.81
28	CHEMICALS AND ALLIED PRODUCTS	162.77	164.69	161.85	153.59	152.72	3.97	3.94	3.90	3.71	3.68
281	Industrial chemicals	(*)	183.98	180.14	172.18	170.10	(*)	4.37	4.32	4.08	4.05
2812	Alkalies and chlorine	-	184.46	181.45	181.77	175.10	-	4.33	4.31	4.15	4.12
2818	Industrial organic chemicals, n.e.c.	-	198.86	195.21	183.61	181.90	-	4.69	4.67	4.29	4.28
2819	Industrial inorganic chemicals, n.e.c.	-	171.39	167.69	161.93	160.22	-	4.17	4.11	3.94	3.87
282	Plastics materials and synthetics	(*)	163.70	160.82	153.04	151.01	(*)	3.87	3.82	3.67	3.63
2821	Plastics materials and resins	-	177.96	173.79	164.12	164.05	-	4.11	4.07	3.88	3.86
2823,4	Synthetic fibers	-	149.04	146.91	140.56	137.90	-	3.60	3.54	3.42	3.38
283	Drugs	(*)	153.41	153.41	141.20	142.61	(*)	3.76	3.76	3.53	3.53
2834	Pharmaceutical preparations	-	147.78	147.74	134.70	136.40	-	3.64	3.63	3.41	3.41
284	Soap, cleaners, and toilet goods	(*)	159.95	157.55	149.69	150.70	(*)	3.93	3.89	3.66	3.64
2841	Soap and other detergents	-	198.65	194.21	192.92	192.13	-	4.81	4.76	4.55	4.51
2844	Toiler preparations	-	131.38	131.53	118.50	121.47	-	3.26	3.28	2.97	2.97
285	Paints and allied products	(*)	153.92	151.98	145.25	145.18	(*)	3.70	3.68	3.50	3.49
287	Agricultural chemicals	(*)	136.50	134.51	128.96	125.05	(*)	3.25	3.18	3.13	3.05
2871,2	Fertilizers, complete & mixing only	-	130.51	129.81	124.09	118.78	-	3.10	3.04	2.99	2.89
286,9	Other chemical products	(*)	155.45	152.72	140.88	142.49	(*)	3.71	3.68	3.47	3.45
2892	Explosives	-	160.31	158.26	143.45	145.89	-	3.91	3.86	3.65	3.62
29	PETROLEUM AND COAL PRODUCTS	195.14	195.14	194.23	184.45	181.04	4.57	4.57	4.57	4.25	4.23
291	Petroleum refining	(*)	203.34	203.40	190.42	188.21	(*)	4.83	4.82	4.47	4.46
295,9	Other petroleum and coal products	(*)	167.83	164.81	166.52	158.78	(*)	3.78	3.78	3.62	3.56
30	RUBBER AND PLASTICS PRODUCTS, N.E.C.	137.89	137.16	135.81	129.68	127.26	3.43	3.37	3.37	3.21	3.15
301	Tires and inner tubes	197.77	189.98	188.55	179.35	173.44	4.61	4.47	4.50	4.26	4.22
302,3,6	Other rubber products	(*)	130.73	129.35	126.45	123.82	(*)	3.26	3.25	3.13	3.08
302	Rubber footwear	-	104.50	104.43	108.67	105.73	-	2.75	2.77	2.71	2.67
307	Miscellaneous plastics products	120.59	121.30	120.00	113.54	114.17	3.03	3.01	3.00	2.86	2.84
31	LEATHER AND LEATHER PRODUCTS	96.27	98.56	97.52	93.99	94.87	2.54	2.58	2.58	2.48	2.49
311	Leather tanning and finishing	(*)	133.65	133.32	119.34	125.33	(*)	3.30	3.30	3.06	3.11
314	Footwear, except rubber	(*)	96.00	94.50	92.83	92.83	(*)	2.50	2.50	2.43	2.43
312,3,5-7,5	Other leather products	(*)	93.24	93.73	88.45	89.06	(*)	2.52	2.54	2.43	2.42
316	Luggage	-	94.68	95.67	89.96	89.92	-	2.63	2.65	2.52	2.54
317	Handbags and personal leather goods	-	89.30	90.89	86.03	88.13	-	2.46	2.49	2.37	2.35
TRANSPORTATION AND PUBLIC UTILITIES.....											
11	RAILROAD TRANSPORTATION:	158.50	166.87	164.42	159.06	156.29	4.16	4.09	4.08	3.87	3.84
11	Class I railroads ²	(*)	(*)	176.09	174.21		(*)	(*)	3.87	3.88	
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	-	151.92	149.70	146.72	143.31	-	3.60	3.59	3.42	3.38
413	Intercity highway transportation	-	176.69	175.55	170.98	172.94	-	4.32	4.22	4.11	4.05
42	TRUCKING AND WAREHOUSING	-	181.04	176.76	164.64	161.24	-	4.28	4.28	3.92	3.83
421,3	Trucking and trucking terminals	-	185.30	180.50	167.96	164.55	-	4.36	4.36	3.98	3.89
422	Public warehousing	-	128.97	126.36	121.97	121.57	-	3.29	3.24	3.08	3.07
46	PIPE LINE TRANSPORTATION		199.07	202.37	188.48	183.19		4.82	4.96	4.52	4.49
48	COMMUNICATION		139.20	137.03	134.30	134.41		3.56	3.55	3.40	3.42
481	Telephone communication	-	136.37	133.56	132.26	132.38		3.47	3.46	3.34	3.36
4817	Switchboard operating employees ³	-	99.88	100.98	95.90	95.43		2.87	2.91	2.74	2.75
4818	Line construction employees ⁴	-	191.25	188.26	189.39	187.23		4.25	4.24	4.19	4.17
482	Telegraph communication ⁵	-	(*)	(*)	158.90	157.61		(*)	(*)	3.73	3.64
483	Radio and television broadcasting		158.00	156.49	143.64	144.02		4.18	4.14	3.77	3.79

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				
		July 1971 ^p	June 1971 ^p	May 1971	July 1970	June 1970	July 1971 ^p	June 1971 ^p	May 1971	July 1970	June 1970
<i>Nondurable Goods--Continued</i>											
27	PRINTING AND PUBLISHING	37.5	37.7	37.6	37.8	37.7	2.6	2.7	2.8	2.7	
271	Newspapers.....	35.3	35.5	35.1	35.4	35.7	2.5	2.5	2.3	2.7	
272	Periodicals.....	-	40.0	39.1	40.6	40.5	3.7	2.6	3.6	3.7	
273	Books.....	-	39.3	39.8	38.8	38.9	3.3	3.6	2.6	2.5	
275	Commercial printing	38.2	38.5	38.5	38.8	38.6	2.8	2.9	3.3	2.9	
2751	Commercial printing, ex. lithographic	-	38.5	38.4	38.8	38.6	-	-	-	-	
2752	Commercial printing, lithographic	-	38.6	38.6	38.9	38.6	-	-	-	-	
278	Blankbooks and bookbinding.....	38.4	38.5	37.9	38.2	37.8	2.0	1.8	2.0	1.7	
274,6,7,9	Other publishing & printing ind.....	37.7	37.8	38.1	38.0	37.9	2.1	2.2	2.6	2.4	
28	CHEMICALS AND ALLIED PRODUCTS..	41.0	41.8	41.5	41.4	41.5	3.3	3.1	3.0	3.1	
281	Industrial chemicals.....	(*)	42.1	41.7	42.2	42.0	3.6	3.1	3.5	3.7	
2812	Alkalies and chlorine.....	-	42.6	42.1	43.8	42.5	-	-	-	-	
2818	Industrial organic chemicals, nec....	-	42.4	41.8	42.8	42.5	-	-	-	-	
2819	Industrial inorganic chemicals, nec ..	-	41.1	40.8	41.1	41.4	-	-	-	-	
282	Plastics materials and synthetics	(*)	42.3	42.1	41.7	41.6	3.4	2.8	2.7	2.7	
2821	Plastics materials and resins.....	-	43.3	42.7	42.3	42.5	-	-	-	-	
2823,4	Synthetic fibers.....	-	41.4	41.5	41.1	40.8	-	-	-	-	
283	Drugs	(*)	40.8	40.8	40.0	40.4	2.8	2.9	2.0	2.3	
2834	Pharmaceutical preparations.....	-	40.6	40.7	39.5	40.0	-	-	-	-	
284	Soap, cleaners, and toilet goods.....	(*)	40.7	40.5	40.9	41.4	2.7	2.5	3.0	3.3	
2841	Soap and other detergents	-	41.3	40.8	42.4	42.6	-	-	-	-	
2844	Toilet preparations.....	-	40.3	40.1	39.9	40.9	-	-	-	-	
285	Paints and allied products.....	(*)	41.6	41.3	41.5	41.6	3.2	3.0	3.6	3.3	
287	Agricultural chemicals.....	(*)	42.0	42.3	41.2	41.0	3.8	5.0	3.7	3.7	
2871,2	Fertilizers, complete & mixing only..	-	42.1	42.7	41.5	41.1	-	-	-	-	
286,9	Other chemical products	(*)	41.9	41.5	40.6	41.3	3.3	3.0	2.4	2.8	
2892	Explosives	-	41.0	41.0	39.3	40.3	-	-	-	-	
29	PETROLEUM AND COAL PRODUCTS.....	42.7	42.7	42.5	43.4	42.8	3.6	3.6	4.0	3.9	
291	Petroleum refining.....	(*)	42.1	42.2	42.6	42.2	2.6	2.8	2.8	3.1	
295,9	Other petroleum and coal products.....	(*)	44.4	43.6	46.0	44.6	6.9	6.2	7.5	6.5	
30	RUBBER AND PLASTICS PRODUCTS, NEC.....	40.2	40.7	40.3	40.4	40.4	3.4	3.2	3.3	3.4	
301	Tires and inner tubes	42.9	42.5	41.9	42.1	41.1	4.3	4.3	4.8	4.5	
302,3,6	Other rubber products	(*)	40.1	39.8	40.4	40.2	2.7	2.5	2.8	3.0	
302	Rubber footwear	-	38.0	37.7	40.1	39.6	2.0	2.1	2.3	2.7	
307	Miscellaneous plastics products	39.8	40.3	40.0	39.7	40.2	3.4	3.2	3.1	3.3	
31	LEATHER AND LEATHER PRODUCTS.....	37.9	38.2	37.8	37.9	38.1	1.9	1.8	1.6	1.7	
311	Leather tanning and finishing	(*)	40.5	40.4	39.0	40.3	3.3	3.5	2.6	3.5	
314	Footwear, except rubber	(*)	38.4	37.8	38.2	38.2	1.9	1.7	1.6	1.6	
312,3,5-7,9	Other leather products	(*)	37.0	36.9	36.4	36.8	1.3	1.3	1.2	1.5	
316	Luggage	-	36.0	36.1	35.7	35.4	1.0	.9	.8	.8	
317	Handbags and personal leather goods..	-	36.3	36.5	36.3	37.5	1.1	1.1	1.5	2.0	
TRANSPORTATION AND PUBLIC UTILITIES.....											
RAILROAD TRANSPORTATION:											
1	Class I railroads ²		(*)	(*)	45.5	44.9					
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation		42.2	41.7	42.9	42.4					
413	Intercity highway transportation		40.9	41.6	41.6	42.7					
42	TRUCKING AND WAREHOUSING		42.3	41.3	42.0	42.1					
421,3	Trucking and trucking terminals	-	42.5	41.4	42.2	42.3					
422	Public warehousing	-	39.2	39.0	39.6	39.6					
46	PIPE LINE TRANSPORTATION.....		41.3	40.8	41.7	40.8					
48	COMMUNICATION.....		39.1	38.6	39.5	39.3					
481	Telephone communication		39.3	38.6	39.6	39.4					
4817	Switchboard operating employees ³	-	34.8	34.7	35.0	34.7	-	-	-	-	
4818	Line construction employees ⁴	-	45.0	44.4	45.2	44.9	-	-	-	-	
482	Telegraph communication ⁵	-	(*)	(*)	42.6	43.3	-	-	-	-	
483	Radio and television broadcasting.....		37.8	37.8	38.1	38.0					

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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**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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
TRANSPORTATION AND PUBLIC UTILITIES--Continued											
49	ELECTRIC, GAS, AND SANITARY SERVICES	\$185.12	\$182.07	\$172.22	\$169.74	-	\$4.45	\$4.43	\$4.14	\$4.11	
491	Electric companies and systems	192.47	188.10	177.24	174.72	-	4.55	4.50	4.23	4.18	
492	Gas companies and systems	168.08	166.46	156.91	154.22	-	4.06	4.08	3.79	3.78	
493	Combination companies and systems...	197.72	195.05	185.06	184.16	-	4.87	4.84	4.47	4.47	
494-7	Water, steam, & sanitary systems	156.09	152.72	146.72	143.72	-	3.69	3.68	3.51	3.48	
-	WHOLESALE AND RETAIL TRADE	\$103.61	101.53	99.88	98.10	96.12	\$2.87	2.86	2.87	2.71	2.70
50	WHOLESALE TRADE	146.77	146.00	145.33	137.83	136.80	3.66	3.65	3.67	3.42	3.42
501	Motor vehicles & automotive equipment	-	136.89	133.85	129.83	130.06	-	3.38	3.38	3.19	3.18
502	Drugs, chemicals, and allied products..	-	146.29	145.92	140.66	139.52	-	3.78	3.80	3.57	3.55
503	Dry goods and apparel.....	-	132.40	132.77	127.16	126.07	-	3.54	3.55	3.40	3.38
504	Groceries and related products	-	139.90	137.41	130.06	127.20	-	3.48	3.47	3.18	3.18
506	Electrical goods.....	-	142.80	142.31	134.97	137.19	-	3.50	3.54	3.30	3.29
507	Hardware; plumbing & heating equipment	-	140.75	140.14	132.00	131.45	-	3.51	3.53	3.30	3.27
508	Machinery, equipment, and supplies.....	-	161.15	162.39	149.19	151.33	-	3.94	3.99	3.63	3.70
509	Miscellaneous wholesalers.....	-	146.96	146.23	140.14	137.59	-	3.73	3.74	3.53	3.51
52-59	RETAIL TRADE	89.78	87.38	85.58	85.16	82.86	2.58	2.57	2.57	2.44	2.43
53	Retail general merchandise	-	79.93	77.94	78.63	75.99	-	2.49	2.49	2.39	2.36
531	Department stores.....	-	84.06	82.15	82.37	79.57	-	2.66	2.65	2.55	2.51
532	Mail order houses	-	103.68	102.03	96.63	94.98	-	2.75	2.75	2.57	2.56
533	Variety stores	-	57.82	57.02	59.52	57.19	-	1.96	1.98	1.92	1.90
54	Food stores.....	-	95.41	91.93	90.92	88.44	-	2.90	2.90	2.69	2.68
541-3	Grocery, meat, and vegetable stores ..	-	97.65	94.11	93.09	90.58	-	2.95	2.95	2.73	2.72
56	Apparel and accessory stores	-	75.92	74.42	75.14	72.77	-	2.38	2.37	2.27	2.26
561	Men's & boys' clothing & furnishings..	-	91.96	90.20	92.22	89.52	-	2.77	2.75	2.65	2.61
562	Women's ready-to-wear stores	-	67.98	66.58	66.36	64.06	-	2.20	2.19	2.10	2.08
565	Family clothing stores.....	-	74.43	73.35	72.87	70.93	-	2.17	2.17	2.10	2.08
566	Shoe stores.....	-	75.71	73.50	75.21	73.01	-	2.45	2.45	2.30	2.34
57	Furniture and home furnishings stores ..	-	115.43	113.96	110.54	109.00	-	3.07	3.08	2.94	2.93
571	Furniture and home furnishings.....	-	114.58	113.65	111.00	109.66	-	3.08	3.08	2.96	2.94
58	Eating and drinking places ⁶	-	60.84	59.48	59.94	57.96	-	1.95	1.95	1.85	1.84
52,55,59	Other retail trade	-	109.16	107.73	105.15	103.14	-	2.85	2.85	2.71	2.70
52	Building materials and farm equipment	-	120.58	118.60	114.09	112.28	-	2.97	2.98	2.81	2.80
551,2	Motor vehicle dealers.....	-	144.38	142.97	136.94	136.20	-	3.53	3.53	3.34	3.33
553,9	Other automotive & accessory dealers.	-	122.64	120.72	113.84	111.79	-	2.92	2.93	2.73	2.72
591	Drug stores and proprietary stores ..	-	78.65	77.49	78.02	74.38	-	2.45	2.46	2.35	2.31
594	Book and stationery stores	-	91.39	87.78	90.82	87.30	-	2.68	2.66	2.58	2.56
598	Fuel and ice dealers.....	-	125.83	127.20	118.28	117.99	-	3.13	3.18	2.85	2.85
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	121.69	120.99	121.40	112.61	111.57	3.28	3.27	3.29	3.06	3.04
60	Banking.....	-	106.64	107.30	102.86	101.57	-	2.89	2.89	2.78	2.76
61	Credit agencies other than banks	-	110.92	111.00	105.00	103.42	-	2.95	2.96	2.80	2.78
612	Savings and loan associations	-	107.67	108.12	102.95	100.28	-	2.91	2.93	2.76	2.74
62	Security, commodity brokers & services..	-	203.87	209.76	166.13	165.61	-	5.54	5.70	4.49	4.44
63	Insurance carriers	-	126.57	127.31	121.77	120.34	-	3.43	3.45	3.30	3.27
631	Life insurance.....	-	127.42	128.15	124.10	121.94	-	3.52	3.54	3.40	3.35
632	Accident and health insurance	-	120.80	119.78	111.94	109.93	-	3.23	3.22	3.05	3.02
633	Fire, marine, and casualty insurance..	-	127.16	128.28	121.97	121.27	-	3.40	3.43	3.27	3.26
-	SERVICES	104.10	102.90	102.68	98.77	96.95	3.00	3.00	3.02	2.83	2.81
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶ ...	-	71.74	71.32	68.45	67.57	-	2.11	2.11	1.95	1.97
	Personal Services:										
721	Laundries and dry cleaning plants....	-	82.95	81.66	78.26	78.12	-	2.33	2.32	2.18	2.17
722	Photographic studios	-	99.46	95.59	94.10	88.58	-	2.71	2.67	2.55	2.56
781	Motion pictures:										
	Motion picture filming & distributing...	-	180.79	186.50	193.52	180.91	-	4.86	4.96	4.72	4.58

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				
		July 1971 P	June 1971 P	May 1971	July 1970	June 1970	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
TRANSPORTATION AND PUBLIC UTILITIES--Continued											
49	ELECTRIC, GAS, AND SANITARY SERVICES			41.6	41.1	41.6	41.3				
491	Electric companies and systems.....		42.3	41.8	41.9	41.8					
492	Gas companies and systems.....		41.4	40.8	41.4	40.8					
493	Combination companies and systems ..		40.6	40.3	41.4	41.2					
494-7	Water, steam & sanitary systems.....		42.3	41.5	41.8	41.3					
- WHOLESALE AND RETAIL TRADE											
50	WHOLESALE TRADE	36.1	35.5	34.8	36.2	35.6					
501	Motor vehicles & automotive equipment.	40.1	40.0	39.6	40.3	40.0					
502	Drugs, chemicals, and allied products ..	-	40.5	39.6	40.7	40.9					
503	Dry goods and apparel.....	-	38.7	38.4	39.4	39.3					
504	Groceries and related products		37.4	37.4	37.4	37.3					
506	Electrical goods.....		40.2	39.6	40.9	30.0					
507	Hardware; plumbing & heating equipment		40.8	40.2	40.9	41.7					
508	Machinery, equipment, and supplies.....		40.1	39.7	40.0	40.2					
509	Miscellaneous wholesalers.....	-	40.9	40.7	41.1	40.9					
52-59	RETAIL TRADE	34.8	34.0	33.3	34.9	34.1					
53	Retail general merchandise	-	32.1	31.3	32.9	32.2					
531	Department stores	-	31.6	31.0	32.3	31.7					
532	Mail order houses		37.7	37.1	37.6	37.1					
533	Variety stores		29.5	28.8	31.0	30.1					
54	Food stores.....		32.9	31.7	33.8	33.0					
541-3	Grocery, meat, and vegetable stores		33.1	31.9	34.1	33.3					
56	Apparel and accessory stores		31.9	31.4	33.1	32.2					
561	Men's & boys' clothing & furnishings		33.2	32.8	34.8	34.3					
562	Women's ready-to-wear stores.....		30.9	30.4	31.6	30.8					
565	Family clothing stores		34.3	33.8	34.7	34.1					
566	Shoe stores.....		30.9	30.0	32.7	31.2					
57	Furniture and home furnishings stores		37.6	37.0	37.6	37.2					
571	Furniture and home furnishings.....		37.2	36.9	37.5	37.3					
58	Eating and drinking places ⁶		31.2	30.5	32.4	31.5					
52,55,59	Other retail trade		38.3	37.8	38.8	38.2					
52	Building materials and farm equipment		40.6	39.8	40.6	40.1					
551,2	Motor vehicle dealers.....		40.9	40.5	41.0	40.9					
553,9	Other automotive & accessory dealers.		42.0	41.2	41.7	41.1					
591	Drug stores and proprietary stores		32.1	31.5	33.2	32.2					
594	Book and stationery stores		34.1	33.0	35.2	34.1					
598	Fuel and ice dealers.....	-	40.2	40.0	41.5	41.4					
- FINANCE, INSURANCE, AND REAL ESTATE⁷											
60	Banking.....	37.1	37.0	36.9	36.8	36.7					
61	Credit agencies other than banks	-	36.9	37.0	37.0	36.8					
612	Savings and loan associations	-	37.6	37.5	37.5	37.2					
62	Security, commodity brokers & services.		37.0	36.9	37.3	36.6					
63	Insurance carriers		36.8	36.8	37.0	37.3					
631	Life insurance		36.9	36.9	36.9	26.8					
632	Accident and health insurance	-	36.2	36.2	36.5	36.4					
633	Fire, marine, and casualty insurance	-	37.4	37.2	36.7	36.4					
- SERVICES											
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶		34.0	33.8	35.1	34.3					
721	Personal Services:		34.7	34.3	34.0	34.5					
722	Laundries & dry cleaning plants	-	35.6	35.2	35.9	36.0					
781	Photographic studios		36.7	35.8	36.9	34.6					
Motion pictures:											
781	Motion picture filming & distributing	-	37.2	37.6	41.0	39.5	-	-	-	-	-

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

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

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

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

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

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

*Not available.

p = preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

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

Item	1971					1970							
	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	
EXECUTIVE BRANCH													
Total employment	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	2,728.6
Average weekly hours	39.2	39.2	39.3	39.5	39.3	42.9	39.7	39.6	39.4	39.2	39.3	38.9	38.2
Average overtime hours9	.8	.8	.8	.9	3.8	.9	1.0	.9	.9	.8	.8	.8
Indexes (1967=100):													
Average weekly earnings	139.6	139.0	139.5	139.8	138.8	149.5	134.8	133.1	131.9	128.8	127.0	127.3	125.8
Average hourly earnings	140.3	139.7	139.1	139.5	139.2	137.3	133.8	132.4	131.9	129.5	127.3	128.9	129.7
DEPARTMENT OF DEFENSE													
Total employment	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	1,048.1
Average weekly hours	39.9	39.8	40.1	40.1	40.0	40.0	40.2	40.2	39.9	40.0	39.9	39.3	39.7
Average overtime hours9	.7	.8	.8	.8	.8	.8	.8	.8	.7	.7	.8	.7
Indexes (1967=100):													
Average weekly earnings	141.1	140.7	141.3	141.5	140.1	136.8	135.1	132.4	131.4	128.5	127.9	129.4	131.3
Average hourly earnings	142.5	142.5	142.0	142.2	141.1	137.9	135.4	132.7	132.7	129.4	129.2	132.7	133.2
POST OFFICE DEPARTMENT													
Total employment	715.7	718.2	718.0	718.7	720.6	776.8	725.0	718.0	718.7	723.5	726.8	723.9	716.5
Average weekly hours	38.5	38.5	38.3	39.2	38.8	51.3	39.5	39.1	38.9	38.8	38.5	38.7	38.7
Average overtime hours9	.9	.7	.8	1.1	11.4	1.2	1.5	.9	.9	.7	.9	1.2
Indexes (1967=100):													
Average weekly earnings	135.9	135.6	134.6	137.8	136.1	195.7	136.3	135.6	133.7	132.7	121.6	123.2	123.8
Average hourly earnings	136.3	136.0	135.7	135.7	135.4	147.3	133.2	133.8	132.6	132.0	122.0	122.9	123.5
OTHER AGENCIES													
Total employment	905.3	903.2	892.3	890.8	881.7	876.0	879.3	879.5	879.8	892.0	901.6	904.1	964.0
Average weekly hours	39.1	39.2	39.2	39.2	39.1	39.1	39.2	39.2	39.2	38.5	39.2	38.6	36.1
Average overtime hours9	.8	.8	.8	.8	.8	.9	1.0	1.1	.9	1.0	.9	.7
Indexes (1967=100):													
Average weekly earnings	142.4	141.5	141.5	142.3	141.9	134.4	135.0	133.5	133.0	127.7	131.0	129.5	121.6
Average hourly earnings	141.3	140.1	140.1	140.8	140.8	133.4	133.7	132.2	131.7	128.7	129.7	130.2	130.7

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

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

Major industry group	Average hourly earnings excluding overtime ¹				
	July 1971 P	June 1971 P	May 1971	July 1970	June 1970
MANUFACTURING	\$3.44	\$3.44	\$3.43	\$3.25	\$3.23
DURABLE GOODS	3.66	3.67	3.66	3.45	3.44
Ordnance and accessories		3.73	3.72	3.51	3.50
Lumber and wood products		3.04	2.99	2.87	2.85
Furniture and fixtures		2.80	2.80	2.71	2.68
Stone, clay, and glass products		3.48	3.45	3.25	3.23
Primary metal industries		4.05	3.99	3.80	3.78
Fabricated metal products		3.61	3.61	3.40	3.39
Machinery, except electrical		3.87	3.85	3.65	3.62
Electrical equipment and supplies		3.41	3.42	3.23	3.21
Transportation equipment		4.27	4.28	3.92	3.92
Instruments and related products		3.43	3.43	3.24	3.22
Miscellaneous manufacturing industries	-	2.88	2.87	2.76	2.74
NONDURABLE GOODS	3.16	3.14	3.13	2.98	2.95
Food and kindred products	-	3.23	3.23	3.01	3.00
Tobacco manufactures		3.19	3.21	2.96	2.98
Textile mill products		2.44	2.45	2.34	2.34
Apparel and other textile products		2.44	2.43	2.35	2.34
Paper and allied products		3.48	3.44	3.29	3.25
Printing and publishing		(2)	(2)	(2)	(2)
Chemicals and allied products		3.79	3.76	3.58	3.54
Petroleum and coal products		4.38	4.38	4.07	4.05
Rubber and plastics products, n.e.c.	-	3.24	3.24	3.08	3.02
Leather and leather products	-	2.52	2.52	2.43	2.43

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		
	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970
TOTAL PRIVATE:									
Current dollars.....	\$127.57	\$125.86	\$120.05	\$103.14	\$101.83	\$96.38	\$111.73	\$110.39	\$105.08
1967 dollars.....	105.00	104.19	103.22	84.89	84.30	82.87	91.96	91.38	90.35
MINING:									
Current dollars.....	172.51	170.89	163.88	138.03	136.75	129.27	148.38	147.03	140.07
1967 dollars.....	141.98	141.47	140.91	113.60	113.20	111.15	122.12	121.71	120.44
CONTRACT CONSTRUCTION:									
Current dollars.....	212.80	207.94	196.99	169.73	165.92	154.24	182.01	177.96	167.29
1967 dollars.....	175.14	172.14	169.38	139.70	137.35	132.62	149.80	147.32	143.84
MANUFACTURING:									
Current dollars.....	143.51	142.40	134.40	115.34	114.49	107.13	124.48	123.59	116.43
1967 dollars.....	118.12	117.88	115.56	94.93	94.78	92.12	102.46	102.31	100.11
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars.....	166.87	164.42	156.29	133.57	131.63	123.43	143.68	140.63	133.81
1967 dollars.....	137.34	136.11	134.39	109.93	108.97	106.13	118.26	117.24	115.06
WHOLESALE AND RETAIL TRADE:									
Current dollars.....	101.53	99.88	96.12	83.64	82.41	78.38	91.44	90.14	86.23
1967 dollars.....	83.56	82.68	82.65	68.84	68.22	67.39	75.26	74.62	74.14
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars.....	120.99	121.40	111.57	98.10	98.42	90.03	106.60	106.91	98.37
1967 dollars.....	99.58	100.50	95.93	80.74	81.47	77.41	87.74	88.50	84.58
SERVICES:									
Current dollars.....	102.90	102.68	96.95	84.66	84.50	79.02	92.52	92.34	86.89
1967 dollars.....	84.69	85.00	83.36	69.68	69.95	67.94	76.15	76.44	74.71
CONSUMER PRICE INDEX (All items, 1967 = 100)	121.5	120.8	116.3	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

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

P = preliminary (applicable to earnings data only).

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

Industry	1967 = 100				
	July 1971 P	June 1971 P	May 1971	July	June
				1970	1970
TOTAL	93.4	96.4	93.8	98.6	100.4
MINING	98.7	103.5	100.2	103.6	104.1
CONTRACT CONSTRUCTION	108.4	106.1	98.3	113.3	110.7
MANUFACTURING	90.6	94.5	92.7	95.8	98.4
DURABLE GOODS	86.5	91.5	90.0	93.6	97.1
Ordnance and accessories	56.4	57.4	57.1	71.3	76.4
Lumber and wood products	97.1	100.7	95.4	96.7	99.1
Furniture and fixtures	96.6	100.7	97.0	93.7	96.4
Stone, clay, and glass products	102.1	103.5	100.0	102.0	103.4
Primary metal industries	90.3	.95.9	95.5	97.4	98.9
Fabricated metal products	92.0	96.4	94.7	97.2	100.4
Machinery, except electrical	78.1	81.0	80.4	91.2	94.4
Electrical equipment and supplies	85.4	88.7	87.7	94.7	96.5
Transportation equipment	80.7	92.6	91.5	88.1	96.9
Instruments and related products	87.3	88.2	87.3	94.6	97.5
Miscellaneous manufacturing industries	85.7	92.8	91.0	91.1	95.6
NONDURABLE GOODS	96.6	98.8	96.7	99.1	100.2
Food and kindred products	99.0	98.0	93.6	103.1	100.3
Tobacco manufactures	66.0	69.6	71.9	77.0	77.7
Textile mill products	95.1	98.6	96.5	95.4	98.9
Apparel and other textile products	92.7	97.2	96.7	93.6	97.6
Paper and allied products	97.1	99.7	96.3	101.0	103.1
Printing and publishing	98.5	98.9	98.4	100.8	101.0
Chemicals and allied products	99.4	101.5	100.6	102.3	102.4
Petroleum and coal products	105.0	104.6	101.8	108.1	106.2
Rubber and plastics products, nec.	106.5	108.9	106.3	106.9	107.4
Leather and leather products	84.2	91.4	88.5	91.6	94.8
	Payrolls				
MINING	125.6	131.1	127.0	124.2	124.7
CONTRACT CONSTRUCTION	149.0	144.4	134.3	143.4	138.1
MANUFACTURING	114.2	119.3	116.6	114.1	116.9

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

P = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS**

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

Industry	1971							1970						
	July ^p	June ^p	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
TOTAL PRIVATE	36.9	37.1	36.9	37.0	37.0	36.9	37.1	37.0	36.9	36.9	36.8	37.2	37.3	
MINING	42.0	42.2	42.2	42.4	42.9	42.7	42.8	43.0	42.8	42.7	42.0	42.2	42.5	
CONTRACT CONSTRUCTION	37.2	37.3	37.0	37.4	37.9	36.8	37.1	38.0	37.1	36.9	35.1	37.3	37.4	
MANUFACTURING	39.9	40.0	40.0	39.8	39.9	39.5	39.8	39.6	39.6	39.4	39.3	39.8	40.1	
Overtime hours	2.9	3.0	2.8	2.9	2.8	2.9	2.8	2.7	2.7	2.8	2.8	3.0	3.0	
DURABLE GOODS	40.4	40.6	40.5	40.2	40.5	40.1	40.4	40.1	40.0	39.9	39.8	40.3	40.7	
Overtime hours	2.8	3.0	2.9	2.8	2.8	2.8	2.7	2.6	2.5	2.6	2.7	2.9	3.1	
Ordnance and accessories	42.0	41.7	41.5	41.6	42.1	41.7	41.2	40.6	40.2	40.1	39.7	40.4	40.3	
Lumber and wood products	39.5	40.2	39.8	40.2	40.0	40.1	39.4	39.9	39.9	39.2	39.6	39.8	39.8	
Furniture and fixtures	39.9	40.0	39.9	39.5	39.7	39.3	39.5	39.6	39.4	39.2	38.3	39.0	39.3	
Stone, clay, and glass products	42.0	41.8	41.5	41.2	41.8	41.4	41.2	41.4	41.1	41.0	40.9	41.0	41.2	
Primary metal industries	40.8	40.9	40.9	40.8	40.7	40.6	40.3	39.9	39.6	39.9	40.9	40.4	40.7	
Fabricated metal products	40.6	40.7	40.5	40.1	40.3	40.2	40.5	40.3	40.0	40.1	39.8	40.6	41.3	
Machinery, except electrical	40.8	40.7	40.4	40.0	40.2	40.1	40.2	40.4	40.6	40.4	40.1	40.9	41.1	
Electrical equipment and supplies	40.1	40.0	39.9	39.8	39.8	39.2	39.8	39.7	39.6	39.7	39.2	39.9	40.4	
Transportation equipment	40.2	41.5	41.1	40.4	41.9	41.5	41.3	40.2	39.9	39.8	39.8	40.7	41.2	
Instruments and related products	40.2	39.7	39.9	39.7	39.7	39.3	39.7	39.6	40.0	39.8	40.0	40.0	40.3	
Miscellaneous manufacturing industries	38.9	38.7	39.0	38.7	38.8	37.8	38.8	38.8	38.6	38.3	38.1	38.6	39.1	
NONDURABLE GOODS	39.3	39.2	39.3	39.2	39.1	38.9	39.3	39.1	38.9	38.9	38.6	39.1	39.3	
Overtime hours	2.9	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	3.0	2.9	
Food and kindred products	39.8	40.3	40.5	40.5	40.4	40.7	40.8	40.5	40.4	40.5	40.0	40.7	40.2	
Tobacco manufactures	37.3	36.3	38.2	37.8	37.9	36.1	39.4	39.0	38.4	38.1	36.1	37.4	37.9	
Textile mill products	41.0	40.7	40.7	40.8	40.3	40.1	40.4	39.7	39.6	39.6	38.8	39.9	40.3	
Apparel and other textile products	35.9	35.4	35.5	35.0	35.2	34.7	35.2	35.4	35.4	34.9	34.2	35.1	35.5	
Paper and allied products	42.6	42.2	42.0	42.3	41.8	41.8	41.9	41.5	41.6	41.7	41.4	41.7	41.7	
Printing and publishing	37.6	37.7	37.7	37.5	37.5	37.3	37.7	37.6	37.5	37.4	37.4	37.6	37.9	
Chemicals and allied products	41.1	41.8	41.4	41.7	41.4	41.5	41.6	41.4	41.3	41.3	42.0	41.3	41.5	
Petroleum and coal products	41.9	42.5	42.2	42.0	42.2	43.3	42.6	43.5	43.0	43.2	43.0	43.1	42.6	
Rubber and plastics products, nec	40.6	40.7	40.4	40.3	40.2	40.0	40.1	39.5	39.4	39.6	40.0	40.4	40.8	
Leather and leather products	37.6	37.7	38.0	38.3	37.4	36.6	37.0	37.3	37.1	37.0	36.5	36.8	37.6	
TRANSPORTATION AND PUBLIC UTILITIES	37.8	40.7	40.5	40.5	40.5	40.3	40.1	39.9	40.2	40.5	40.5	40.6	40.7	
WHOLESALE AND RETAIL TRADE	35.3	35.3	35.2	35.2	35.0	35.0	35.0	35.1	35.3	35.3	35.2	35.4	35.4	
WHOLESALE TRADE	39.8	39.9	39.8	39.6	39.7	39.6	39.7	39.9	39.8	39.9	39.7	39.9	40.0	
RETAIL TRADE	33.8	33.7	33.7	33.8	33.6	33.5	33.6	33.6	33.8	33.8	33.8	33.9	33.9	
FINANCE, INSURANCE, AND REAL ESTATE	37.1	37.0	37.0	36.9	36.9	36.8	36.7	36.6	36.8	36.7	36.7	36.9	36.8	
SERVICES	34.4	34.2	34.2	34.2	34.1	34.2	34.2	34.4	34.4	34.4	34.5	34.7	34.6	

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

p = preliminary.

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

1967 = 100

Industry	1971							1970					
	July ^p	June ^p	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
TOTAL	93.0	94.2	94.4	94.0	94.0	93.2	94.1	94.6	92.1	92.4	94.6	96.6	97.9
MINING	94.8	99.2	99.7	100.1	101.5	101.1	101.7	101.8	101.7	100.8	99.0	99.0	99.7
CONTRACT CONSTRUCTION	96.9	98.1	98.5	100.5	100.2	95.3	97.6	103.0	100.0	98.6	93.1	100.8	101.4
MANUFACTURING	92.2	93.3	93.5	92.7	92.7	92.5	93.3	92.9	90.4	91.1	94.7	95.8	97.2
DURABLE GOODS	88.8	90.1	90.1	89.0	89.3	89.2	89.8	89.6	85.7	86.9	92.9	93.9	95.5
Ordnance and accessories	57.5	57.4	57.7	57.3	59.1	60.8	62.4	63.7	65.3	67.3	69.9	71.7	72.7
Lumber and wood products	94.1	95.5	94.8	95.3	95.1	95.3	92.9	93.3	94.1	93.0	93.9	93.6	93.6
Furniture and fixtures	99.9	99.9	99.1	97.1	97.0	96.1	96.8	96.8	97.1	96.9	95.4	95.8	96.8
Stone, clay, and glass products	99.0	99.9	99.6	98.5	99.1	98.7	98.3	99.3	97.8	98.6	99.3	98.6	98.9
Primary metal industries	89.5	92.9	94.1	93.6	93.1	92.5	91.8	90.7	89.2	92.1	98.3	95.7	96.5
Fabricated metal products	94.7	94.9	94.9	93.6	91.2	93.2	93.9	94.1	90.1	91.9	97.2	98.5	100.0
Machinery, except electrical	79.6	80.1	80.2	79.6	80.7	81.1	82.1	83.8	84.9	85.5	88.2	90.4	92.8
Electrical equipment and supplies	88.4	88.9	89.1	88.5	88.3	86.7	88.5	88.8	88.0	90.6	92.8	95.1	98.0
Transportation equipment	88.8	91.7	90.9	87.7	90.6	90.6	91.3	87.8	68.0	68.6	90.2	92.2	93.7
Instruments and related products	88.9	87.8	88.3	87.1	87.1	87.3	89.2	89.3	90.9	91.5	92.6	94.3	96.4
Miscellaneous manufacturing industries	89.2	91.7	92.4	91.4	91.1	90.1	92.5	93.1	90.3	90.7	92.0	93.5	95.0
NONDURABLE GOODS	97.2	98.0	98.5	98.1	97.7	97.3	98.3	97.7	97.4	97.1	97.3	98.5	99.8
Food and kindred products	95.7	98.4	99.6	99.3	99.6	100.7	100.7	99.8	99.3	98.8	98.3	100.4	99.6
Tobacco manufactures	77.3	79.0	85.8	84.9	81.2	79.8	87.1	84.9	86.3	84.3	79.8	90.6	89.2
Textile mill products	97.1	96.6	97.2	97.1	95.8	95.8	97.1	94.9	94.3	94.6	93.7	96.1	97.3
Apparel and other textile products	96.5	95.7	97.1	95.6	95.8	93.4	95.4	95.9	95.4	93.7	92.9	95.0	97.5
Paper and allied products	96.9	98.0	97.4	99.6	98.4	98.8	99.6	98.8	99.4	99.1	99.8	100.0	100.7
Printing and publishing	99.1	98.8	98.9	98.4	99.0	98.7	100.0	100.3	99.7	99.6	100.2	100.1	101.5
Chemicals and allied products	99.2	100.7	100.1	100.1	99.4	100.0	100.6	100.1	100.2	101.2	103.4	101.0	102.0
Petroleum and coal products	99.4	101.7	100.9	100.5	101.8	103.6	101.9	103.2	102.0	102.5	101.1	103.1	102.8
Rubber and plastics products, nec	109.7	108.5	107.5	106.0	105.5	103.3	102.5	100.8	100.5	102.0	106.2	106.5	110.3
Leather and leather products	85.0	89.5	89.8	89.9	86.5	84.9	86.5	86.9	87.1	87.8	86.9	88.0	92.5

¹ For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.^p= preliminary.**C-9: Man-hours of wage and salary workers in nonagricultural establishments**

Industry division	Annual rate, millions of man-hours ¹			Percent change ²		
	July 1971 p	June 1971 p	May 1971	June 1971 to July 1971	May 1971 to June 1971	July 1970 to July 1971
TOTAL - ALL INDUSTRIES	137,740	138,178	138,469	- 3.7	- 2.5	- 0.7
TOTAL - PRIVATE	111,273	111,817	112,055	- 5.7	- 2.5	- 1.5
MINING	1,313	1,363	1,365	-36.1	- 1.7	- 3.9
CONTRACT CONSTRUCTION	6,180	6,267	6,280	-15.4	- 2.5	- 4.1
MANUFACTURING	38,256	38,599	38,814	-10.2	- 6.4	- 5.0
TRANSPORTATION AND PUBLIC UTILITIES	9,306	9,490	9,464	-20.9	3.3	- 3.1
WHOLESALE AND RETAIL TRADE	27,888	27,848	27,842	1.7	0.3	1.5
FINANCE, INSURANCE, AND REAL ESTATE	7,312	7,304	7,271	1.3	5.6	4.0
SERVICES	21,018	20,946	21,019	4.2	- 4.1	1.5
GOVERNMENT	26,467	26,361	26,414	4.9	- 2.4	2.7

¹ "Annual rate" refers to total man-hours for 1 week in the month, seasonally adjusted, and expressed as an annual equivalent.² Percent change compounded at annual rates.^p= preliminary.

**OUTPUT PER MAN-HOUR
SEASONALLY ADJUSTED**

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**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	101.8	104.3	104.5	101.9	102.1	102.5	102.6	101.6	101.3	102.1	
	2d quarter	104.6	104.9	101.8	102.0	102.7	102.9	106.3	106.1	102.6	102.5	103.4	103.1	102.5	102.8	103.1	103.0
	3d quarter	105.6	105.9	102.3	102.7	103.3	103.1	108.5	108.0	103.5	103.0	105.1	104.7	102.2	102.7	104.0	103.9
	4th quarter	106.3	106.6	102.6	103.0	103.6	103.4	110.8	110.3	104.5	104.0	106.9	106.6	102.2	102.4	105.1	105.0
	Annual average ..	104.8	105.1	101.9	102.2	102.9	102.8	107.6	107.2	103.2	102.9	104.6	104.3	102.0	102.3	103.6	103.5
1969:	1st quarter	107.1	107.2	103.5	104.1	103.5	103.0	112.6	111.9	104.9	104.2	108.7	108.6	102.5	102.4	106.3	106.3
	2d quarter	107.5	107.9	104.3	105.0	103.1	102.7	114.3	113.6	104.8	104.1	110.9	110.6	102.6	102.2	107.7	107.4
	3d quarter	108.0	108.3	104.5	105.5	103.3	102.6	116.5	115.5	105.3	104.3	112.8	112.5	102.9	102.8	109.0	108.8
	4th quarter	107.6	107.8	104.1	105.3	103.3	102.4	118.8	117.4	105.8	104.7	115.0	114.7	102.7	102.2	110.2	110.0
	Annual average ..	107.5	107.8	104.1	105.0	103.3	102.7	115.6	114.6	105.3	104.4	111.9	111.6	102.6	102.4	108.3	108.1
1970:	1st quarter	106.7	107.1	103.9	105.2	102.7	101.8	120.8	119.3	106.0	104.8	117.6	117.2	102.2	101.4	111.6	111.2
	2d quarter	106.9	107.2	103.3	104.2	103.6	102.9	122.3	121.2	105.6	104.7	118.1	117.8	104.4	104.1	112.8	112.6
	3d quarter	107.3	107.7	102.2	103.4	105.0	104.3	124.9	123.7	106.7	105.7	119.0	118.6	106.5	106.7	114.1	114.1
	4th quarter	106.1	106.2	101.0	102.2	105.1	103.9	126.9	125.5	107.1	105.9	120.7	120.7	108.1	108.8	115.8	116.2
	Annual average ..	106.8	107.1	102.6	103.7	104.1	103.2	123.7	122.4	106.3	105.2	118.9	118.6	105.3	105.2	113.6	113.5
1971:	1st quarter	108.3	108.5	101.3	102.6	106.9	105.8	129.9	128.4	108.7	107.5	121.5	121.4	110.3	110.7	117.1	117.4
	2d quarter	109.4	109.6	101.9	102.9	107.4	106.5	132.0	130.8	109.3	108.3	123.0	122.8	111.0	111.5	118.4	118.5
Percent change over previous quarter at annual rate ⁴																	
1968:	1st quarter	5.6	6.1	1.0	1.5	4.5	4.5	9.0	9.6	4.7	5.2	4.3	4.8	1.7	0.6	3.3	3.3
	2d quarter	7.7	8.6	3.8	4.2	3.8	4.2	7.7	6.3	2.8	1.4	3.8	2.0	3.6	5.7	3.7	3.4
	3d quarter	4.2	3.8	2.0	2.8	2.1	1.0	8.8	7.3	3.6	2.1	6.5	6.3	-1.0	-0.4	3.6	3.7
	4th quarter	2.7	2.4	1.3	1.3	1.4	1.1	8.7	8.8	3.9	3.9	7.2	7.6	0.0	-1.1	4.4	4.3
1969:	1st quarter	3.0	2.5	3.4	4.2	-0.4	-1.6	6.4	5.9	1.4	0.9	6.8	7.7	1.0	0.0	4.6	4.7
	2d quarter	1.4	2.4	3.2	3.5	-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	7.9	7.0	2.1	1.2	7.8	8.1	-1.0	-2.2	4.5	4.4
1970:	1st quarter	-3.0	-2.7	-0.8	-0.5	-2.3	-2.1	7.1	6.6	0.8	0.4	9.6	9.0	-1.8	-3.3	5.4	4.5
	2d quarter	0.8	0.6	-2.4	-3.7	3.2	4.5	4.8	6.5	-1.6	0.0	1.6	1.9	9.0	11.2	4.1	5.1
	3d quarter	1.5	2.0	-4.0	-3.1	5.6	5.2	8.9	8.3	4.2	3.6	3.1	2.9	8.2	10.4	4.9	5.5
	4th quarter	-4.4	-5.6	-5.0	-4.4	0.6	-1.2	6.7	6.1	1.3	0.7	6.1	7.4	6.3	7.9	6.2	7.6
1971:	1st quarter	8.6	8.9	1.5	1.6	6.9	7.2	9.6	9.6	6.2	6.2	2.6	2.3	8.0	7.4	4.5	4.1
	2d quarter	3.8	3.9	2.1	1.1	1.7	2.8	6.7	7.6	2.2	3.0	5.0	4.6	2.9	4.2	4.0	4.0
Percent change over previous year ⁵																	
Year ending —	1st quarter	-0.3	-0.1	0.4	1.0	-0.8	-1.1	7.3	6.7	1.1	0.5	8.2	7.9	-0.3	-1.0	5.0	4.7
	2d quarter	-0.5	-0.6	-1.0	-0.8	0.5	0.2	6.9	6.7	0.8	0.6	6.4	6.5	1.8	1.9	4.7	4.8
	3d quarter	-0.6	-0.5	-2.2	-2.0	1.6	1.6	7.2	7.1	1.3	1.3	5.5	5.4	3.5	3.8	4.7	4.9
	4th quarter	-1.3	-1.5	-3.0	-3.0	1.7	1.5	6.9	6.9	1.1	1.1	5.0	5.3	5.3	6.4	5.2	5.7
1971:	1st quarter	1.5	1.3	-2.5	-2.4	4.1	3.9	7.5	7.6	2.5	2.6	3.3	3.6	7.9	9.2	4.9	5.5
	2d quarter	2.3	2.2	-1.4	-1.2	3.7	3.5	8.0	7.9	3.5	3.4	4.2	4.3	6.3	7.1	5.0	5.3

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

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

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

⁴ Percent change computed from original data.

⁵ Current quarter divided by comparable quarter a year ago.

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

**EMPLOYEE COMPENSATION DATA
SEASONALLY ADJUSTED**
C-11: Four-quarter changes in compensation, seasonally adjusted

Measure	Percent change over 4-quarter period ¹ ending in...								
	1971		1970				1969		
	June P	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.	June
Average hourly compensation:									
All persons, total private economy	8.0	7.5	6.9	7.2	6.9	7.3	7.2	7.4	7.6
All employees, private nonfarm economy	8.0	7.7	6.9 ²	7.0	6.6	6.6	6.4	6.9	7.0
Average hourly earnings, private nonfarm economy ² :	6.6	6.4	5.3	6.0	6.0	6.4	7.1	7.0	6.8
Mining	6.1	5.9	6.4	6.5	6.6	6.9	7.9	7.7	7.4
Contract construction	9.3	8.9	8.7	9.5	9.0	10.2	9.7	8.9	8.5
Manufacturing	6.5	6.5	4.4	5.5	5.6	5.6	6.0	6.5	5.9
Transportation and public utilities	7.4	7.3	6.5	6.1	5.3	5.8	5.9	6.3	6.2
Wholesale and retail trade	6.3	5.9	5.5	6.2	6.1	6.6	6.6	6.3	6.0
Finance, insurance, and real estate	7.7	6.1	5.5	5.3	4.6	5.0	5.4	5.4	6.4
Services	7.4	8.2	8.3	8.3	7.8	8.2	8.0	7.6	8.6
Average hourly earnings, private nonfarm economy, ²									
adjusted for overtime (in manufacturing only) and interindustry employment shifts	7.2	7.1	6.8	7.0	6.6	6.9	6.7	6.7	6.6
Mining	5.7	5.2	5.4	5.7	5.8	6.5	7.3	8.0	8.1
Contract construction	9.3	8.8	8.9	9.6	9.1	9.9	9.6	9.0	8.2
Manufacturing	6.9	7.1	6.3	6.5	6.5	6.1	6.0	6.3	5.8
Transportation and public utilities	7.5	8.0	6.5	6.3	5.5	5.5	6.0	6.1	6.3
Wholesale and retail trade	6.4	5.8	5.6	6.1	6.0	6.5	6.7	6.4	6.4
Finance, insurance, and real estate	7.6	6.3	6.2	6.3	5.7	5.6	5.9	5.4	5.9
Services	7.4	7.6	9.0	8.4	7.5	8.4	7.3	7.2	7.9
Average hourly earnings, all Federal executive branch employees ³	(*)	13.9	10.5	10.4	14.8	9.8	9.6	10.4	7.5
Average union scales, 7 building trades:									
Wages and selected benefits	12.1	13.5	13.0	12.7	12.9	10.1	10.6	9.4	9.8
Hourly wage rates	11.4	12.3	11.9	11.7	11.8	9.1	9.4	8.5	8.7
Wage rates, hired farm labor	4.8	6.2	5.6	6.2	5.1	4.5	6.6	6.6	9.0
Average weekly earnings, private nonfarm economy: ²									
Current dollars	6.1	5.3	3.6	4.3	4.4	5.7	6.6	6.4	6.7
1967 dollars	1.6	.4	-2.0	-1.4	-1.6	-.5	.7	.7	1.2
Real spendable earnings (worker and 3 dependents, 1967 dollars)	1.7	.6	-1.5	-.9	-1.3	-.4	-.5	-.7	-.2

¹ Current quarter divided by comparable quarter a year earlier.^{*} Not available.² Production and nonsupervisory workers.

P= preliminary.

³ Computed from data that are not seasonally adjusted.

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

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

Measure	Percent change over previous quarter at annual rate								
	1971		1970				1969		
	June P	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.	June
Average hourly compensation:									
All persons, total private economy	6.7	9.6	6.7	8.9	4.8	7.1	7.9	7.9	6.5
All employees, private nonfarm economy	7.4	9.7	6.5	8.4	6.4	6.3	6.9	6.7	6.4
Average hourly earnings, private nonfarm economy ¹ :	6.5	8.4	4.6	6.8	6.1	3.9	7.1	6.8	7.9
Mining	5.1	5.5	7.1	6.8	4.3	7.4	7.6	7.3	5.4
Contract construction	9.5	8.7	7.8	11.3	7.9	8.0	10.9	9.0	12.8
Manufacturing	6.2	11.8	.8	7.4	6.2	3.3	5.1	7.8	6.1
Transportation and public utilities	5.4	8.0	5.2	11.0	5.1	4.8	3.7	7.6	7.3
Wholesale and retail trade	5.3	6.9	4.5	8.7	3.6	5.2	7.4	8.2	5.5
Finance, insurance, and real estate	6.8	8.3	7.5	8.2	.4	5.9	7.0	5.2	1.9
Services	3.2	9.4	9.7	7.3	6.4	9.7	9.9	5.2	8.1
Average hourly earnings, private nonfarm economy, ¹									
adjusted for overtime (in manufacturing only) and interindustry employment shifts	6.4	7.9	6.4	8.0	6.1	6.8	7.0	6.5	7.1
Mining	6.3	5.4	5.8	5.3	4.2	6.5	6.8	5.7	6.9
Contract construction	10.3	7.9	7.6	11.3	8.5	8.2	10.4	9.4	11.7
Manufacturing	6.2	8.9	5.2	7.3	7.1	5.6	6.1	7.1	5.5
Transportation and public utilities	5.2	9.5	5.8	9.5	7.3	3.4	5.1	6.2	7.3
Wholesale and retail trade	7.0	6.6	4.8	6.9	4.9	5.7	7.1	6.5	6.7
Finance, insurance, and real estate	9.6	6.9	6.8	6.9	4.7	6.5	7.1	4.5	4.4
Services	3.6	8.1	10.0	8.1	4.2	13.8	7.7	4.5	7.8
Average hourly earnings, all Federal executive branch employees ²	(*)	3.5	3.8	2.6	5.3	1.7	3.7	4.7	2.5
Average union scales, 7 building trades:									
Wages and selected benefits	18.5	9.3	10.2	7.8	22.5	7.6	9.6	8.0	11.3
Hourly wage rates	18.8	9.0	12.5	8.5	24.9	7.1	11.2	9.3	13.0
Wage rates, hired farm labor	2.3	2.4	(3)	15.4	7.6	(3)	2.5	10.6	5.3
Average weekly earnings, private nonfarm economy: ¹									
Current dollars	6.2	10.0	2.5	5.8	3.1	2.9	5.4	6.1	8.3
1967 dollars	2.1	5.9	-3.1	1.8	-2.8	-3.8	-.6	.9	1.6
Real spendable earnings (worker and 3 dependents, 1967 dollars)	1.6	7.7	-3.3	1.1	-2.8	-1.0	-1.1	-.1	.5

¹ Production and nonsupervisory workers.^{*} Not available.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.

P= preliminary.

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

**EMPLOYEE COMPENSATION DATA
SEASONALLY ADJUSTED**

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

Measure	Percent change at annual rate over 12-month period ¹ ending in-												
	1971							1970					
	JulyP	JuneP	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Average hourly earnings, private nonfarm economy ²	5.9	6.5	6.9	6.3	6.3	6.3	6.7	5.7	5.1	5.1	5.8	6.2	5.9
Mining	6.3	5.7	6.3	6.3	5.8	6.1	5.9	6.5	6.5	6.3	6.6	6.6	6.4
Contract construction	8.6	9.2	10.2	8.6	8.9	9.3	8.5	8.0	9.1	9.1	8.8	10.4	9.4
Manufacturing	5.6	6.3	6.6	6.6	6.3	6.7	6.4	5.5	4.0	3.7	5.6	5.3	5.6
Transportation and public utilities	7.5	6.5	7.7	8.0	7.4	7.5	7.0	6.7	6.2	6.5	6.0	6.3	6.0
Wholesale and retail trade	5.9	5.9	6.7	6.4	6.0	5.6	6.1	5.3	5.3	5.7	6.2	6.2	6.3
Finance, insurance, and real estate	7.2	7.6	8.3	7.3	6.2	6.3	5.7	5.7	5.0	5.7	5.4	5.4	5.2
Services	6.0	6.7	7.8	7.5	7.5	8.3	8.8	8.5	8.1	8.2	8.6	8.7	7.6
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	6.3	6.9	7.3	7.2	6.9	7.2	7.2	7.2	6.6	6.6	7.1	7.1	6.8
Mining	5.9	5.5	5.9	5.8	4.9	5.3	5.3	5.7	5.4	5.3	5.7	6.0	5.3
Contract construction	8.5	9.0	10.0	8.8	8.8	9.3	8.4	8.1	9.3	9.3	9.0	10.3	9.5
Manufacturing	6.4	6.8	6.8	7.1	7.0	7.2	7.1	7.0	6.0	5.9	6.8	6.5	6.3
Transportation and public utilities	6.6	6.7	7.6	8.1	8.7	7.8	7.6	6.5	6.3	6.6	6.3	6.3	6.2
Wholesale and retail trade	6.0	6.3	6.6	6.2	5.8	5.9	5.8	5.4	5.4	5.9	6.1	6.3	6.0
Finance, insurance, and real estate	7.0	7.2	8.2	7.2	6.5	6.5	6.0	6.1	6.0	6.6	6.4	6.4	6.2
Services	4.8	7.2	7.6	7.5	6.3	7.7	8.8	10.8	8.2	7.9	8.6	8.9	7.7
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	8.2	9.5	13.8	14.2	13.7	11.4	10.0	9.9	9.9	9.9	11.4
Average weekly earnings, private nonfarm economy: ²													
Current dollars	4.8	6.3	6.3	5.7	5.2	5.2	5.6	4.1	3.1	3.5	3.3	4.8	4.8
1967 dollars	(*)	1.7	1.8	1.3	.5	.3	.3	-1.3	-2.3	-2.2	-2.3	-.8	-.1
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	1.8	1.9	1.5	.7	.6	.5	-.9	-1.8	-1.8	-1.8	-.4	-.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.

* Not available.

p= preliminary.

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

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

Measure	Percent change at annual rate over 6-month period ¹ ending in-												
	1971							1970					
	JulyP	JuneP	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Average hourly earnings, private nonfarm economy ²	4.8	6.1	8.7	7.5	6.8	5.6	6.9	7.0	5.1	5.1	5.7	7.1	6.5
Mining	6.2	5.7	4.6	5.7	6.3	6.3	6.3	5.8	8.1	7.0	5.3	5.9	5.4
Contract construction	8.2	10.3	9.1	8.0	8.9	6.9	9.0	8.3	11.2	9.2	8.8	11.8	8.1
Manufacturing	4.6	6.5	10.3	10.3	5.9	6.0	6.6	6.0	3.0	3.0	6.8	7.5	6.2
Transportation and public utilities	8.2	6.1	7.2	6.7	7.3	5.7	6.8	8.1	9.2	7.6	9.3	7.1	
Wholesale and retail trade	5.8	5.1	7.4	5.9	5.9	5.2	6.0	6.8	6.1	6.9	6.1	6.1	6.2
Finance, insurance, and real estate	7.1	6.4	9.1	7.2	9.2	7.2	7.3	8.8	7.4	7.4	3.3	5.4	4.0
Services	1.3	4.8	6.2	7.7	8.5	9.3	10.9	8.7	9.5	7.3	6.5	7.4	6.7
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	5.1	6.4	7.6	7.4	6.8	7.2	7.5	7.5	7.0	7.0	7.0	7.3	6.8
Mining	5.8	5.4	6.2	6.0	5.3	5.4	6.1	5.6	5.5	5.6	4.6	5.1	4.5
Contract construction	9.3	10.6	8.7	8.1	8.3	7.4	7.6	7.5	11.3	9.5	9.3	11.2	9.1
Manufacturing	5.5	6.3	8.1	8.2	6.5	7.2	7.3	7.3	5.5	6.0	7.5	7.3	6.9
Transportation and public utilities	5.3	6.7	7.8	7.4	7.4	7.5	7.9	6.6	7.4	8.9	9.9	8.2	7.2
Wholesale and retail trade	5.9	6.5	7.4	6.6	5.7	5.5	6.1	6.0	5.7	5.9	5.8	6.3	5.5
Finance, insurance, and real estate	7.6	7.8	9.3	7.6	7.4	6.9	6.4	6.6	7.2	6.9	5.7	6.1	5.5
Services	-1.1	4.6	6.1	6.7	7.5	8.6	11.1	9.9	9.1	8.3	5.2	6.9	6.5
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	4.9	5.5	5.5	7.7	9.3	6.5	6.4	3.8	7.9	6.0	4.0
Average weekly earnings, private nonfarm economy: ²													
Current dollars	3.9	7.1	9.2	8.1	8.5	4.6	5.6	5.5	3.5	3.4	2.0	5.8	5.5
1967 dollars	(*)	3.1	4.6	4.2	3.7	-.3	.6	.4	-.9	-1.4	-2.6	1.0	.1
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	4.0	5.0	4.7	3.9	.8	1.4	-.4	-1.2	-1.7	-2.4	.4	-.4

¹ Current month divided by month 6 months earlier.

² Production and nonsupervisory workers.

³ Computed from data that are not seasonally adjusted. Actual percent change rather than annual rate of change is shown where change is affected by a general salary adjustment.

* Not available.

p= preliminary.

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

**EMPLOYEE COMPENSATION DATA
SEASONALLY ADJUSTED**

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

Measure	1971								1970					
	July P	2d quarter			1st quarter			Dec.	Nov.	Oct.	4th quarter		3d quarter	
		June P	May	Apr.	Mar.	Feb.	Jan.				Sept.	Aug.	July	
Levels														
Average hourly earnings, private nonfarm economy ¹	\$ 3.42	\$ 3.42	\$ 3.42	\$ 3.39	\$ 3.38	\$ 3.35	\$ 3.34	\$ 3.32	\$ 3.28	\$ 3.27	\$ 3.27	\$ 3.26	\$ 3.23	
Mining	4.08	4.05	4.04	4.02	4.01	3.99	3.96	3.94	3.95	3.91	3.89	3.87	3.84	
Contract construction	5.69	5.67	5.64	5.58	5.53	5.51	5.47	5.40	5.40	5.37	5.30	5.33	5.24	
Manufacturing	3.57	3.57	3.56	3.54	3.52	3.50	3.49	3.46	3.39	3.37	3.42	3.40	3.38	
Transportation and public utilities	4.16	4.09	4.08	4.06	4.05	4.02	4.00	3.97	3.94	3.93	3.91	3.91	3.87	
Wholesale and retail trade	2.88	2.85	2.86	2.84	2.83	2.81	2.80	2.78	2.76	2.76	2.75	2.74	2.72	
Finance, insurance, and real estate	3.28	3.26	3.28	3.24	3.24	3.21	3.17	3.16	3.14	3.13	3.10	3.10	3.06	
Services	3.00	3.01	3.03	3.01	3.01	2.99	2.98	2.94	2.94	2.90	2.89	2.86	2.83	
Wage rates, hired farm labor (quarterly data)	1.73	-	-	1.72	-	-	1.71	-	-	1.71	-	-	1.65	
Average weekly earnings, private nonfarm economy: ¹														
Current dollars	126.09	126.81	126.24	125.43	125.15	123.97	123.69	122.55	120.83	120.64	120.17	121.23	120.37	
1967 dollars	(*)	104.37	104.40	104.35	104.35	103.62	103.56	102.80	102.07	102.25	102.47	103.80	103.24	
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	91.50	91.56	91.58	91.49	91.06	91.01	89.72	89.35	89.49	89.74	90.71	90.36	
Indexes, 1967=100														
Average hourly compensation (quarterly data):														
All persons, total private economy	.		132.0	.	-	129.9	-		126.9	.	-	-	124.9	
All employees, private nonfarm economy	.		131.0	.	-	128.7	-		125.7	.	-	-	123.8	
Average hourly earnings, private nonfarm economy, ¹ adjusted for overtime (in manufacturing only) and interindustry employment shifts														
Mining	129.2	129.2	129.0	128.2	127.4	127.0	126.1	125.2	124.4	123.7	123.3	122.7	121.6	
Contract construction	127.2	126.3	126.4	125.5	124.6	124.2	123.7	123.1	122.6	121.9	121.4	121.0	120.1	
Manufacturing	138.1	137.8	136.6	135.4	134.0	133.8	132.0	131.1	131.0	130.2	128.8	129.1	127.3	
Transportation and public utilities	127.8	127.6	126.9	126.3	125.6	125.1	124.5	123.8	122.1	121.4	121.7	120.9	120.1	
Wholesale and retail trade	127.4	126.4	126.6	125.9	125.2	124.8	124.1	122.4	121.9	121.5	120.8	120.4	119.5	
Finance, insurance, and real estate	128.3	127.8	127.9	127.0	126.0	125.5	124.7	123.8	123.4	123.0	122.5	122.2	121.1	
Services	127.2	126.8	127.3	125.6	124.6	124.0	122.6	122.1	121.8	121.1	120.2	119.9	118.8	
Average hourly earnings, all Federal executive branch employees ²	(*)	(*)	140.3	139.7	139.1	139.5	139.2	137.3	133.8	132.4	131.9	129.5	127.3	
Average union scales, 7 building trades (quarterly data):														
Wages and selected benefits	147.0	-	-	140.8	-	-	137.8	-	-	133.8	-	-	131.1	
Hourly wage rates	141.8	-	-	135.9	-	-	132.9	-	-	129.7	-	-	127.3	

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 adjusts 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

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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		
	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970
ALABAMA	\$124.42	\$122.59	\$113.20	41.2	41.0	40.0	\$3.02	\$2.99	\$2.83
Birmingham	149.87	145.08	133.93	41.4	41.1	40.1	3.62	3.53	3.34
Mobile	146.97	158.90	136.29	41.4	45.4	41.3	3.55	3.50	3.30
ALASKA	(*)	229.90	196.88	(*)	41.2	42.8	(*)	5.58	4.60
ARIZONA	149.51	144.54	128.70	41.3	40.6	39.6	3.62	3.56	3.25
Phoenix	152.07	147.02	129.75	41.1	40.5	39.2	3.70	3.63	3.31
Tucson	133.17	132.83	136.78	39.4	39.3	41.7	3.38	3.38	3.28
ARKANSAS	105.06	104.00	98.65	40.1	40.0	40.1	2.62	2.60	2.46
Fort Smith	102.21	99.94	95.44	40.4	39.5	39.6	2.53	2.53	2.41
Little Rock-North Little Rock	110.32	108.03	104.01	39.4	39.0	39.7	2.80	2.77	2.62
Pine Bluff	128.12	124.66	129.15	39.3	39.2	41.0	3.26	3.18	3.15
CALIFORNIA	161.60	158.40	150.08	39.9	39.6	39.6	4.05	4.00	3.79
Anaheim-Santa Ana-Garden Grove	158.71	157.53	151.81	40.8	40.6	40.7	3.89	3.88	3.73
Bakersfield	163.61	160.39	151.22	40.1	39.7	39.9	4.08	4.04	3.79
Fresno	137.71	136.76	127.05	38.9	39.3	38.5	3.54	3.48	3.30
Los Angeles-Long Beach	155.59	152.83	144.51	40.1	39.8	39.7	3.88	3.84	3.64
Modesto	135.77	141.26	122.33	37.3	38.7	36.3	3.64	3.65	3.37
Oxnard-Ventura	143.39	140.12	133.57	39.5	38.6	39.4	3.63	3.63	3.39
Sacramento	168.58	159.52	162.27	38.4	37.8	39.1	4.39	4.22	4.15
Salinas-Monterey	140.14	136.15	124.85	39.7	38.9	36.4	3.53	3.50	3.43
San Bernardino-Riverside-Ontario	159.53	155.19	147.26	40.8	40.1	39.8	3.91	3.87	3.70
San Diego	169.12	166.96	166.59	39.7	39.1	39.9	4.26	4.27	4.15
San Francisco-Oakland	180.64	175.70	166.60	39.1	38.7	39.2	4.62	4.54	4.25
San Jose	171.25	167.84	157.21	40.2	39.4	39.5	4.26	4.26	3.98
Santa Barbara	145.16	140.18	137.63	38.2	38.3	39.1	3.80	3.66	3.52
Santa Rosa	146.28	154.05	141.21	37.7	39.5	38.9	3.88	3.90	3.63
Stockton	168.06	161.17	152.47	40.4	39.6	39.5	4.16	4.07	3.86
Vallejo-Napa	150.91	149.11	141.38	38.4	37.0	37.6	3.93	4.03	3.76
COLORADO	153.06	149.97	141.50	40.6	40.1	40.2	3.77	3.74	3.52
Denver	158.36	155.56	143.96	40.5	40.3	40.1	3.91	3.86	3.59
CONNECTICUT	146.57	145.04	140.29	40.6	40.4	40.9	3.61	3.59	3.43
Bridgeport	154.98	147.86	140.30	42.0	40.4	40.2	3.69	3.66	3.49
Hartford	151.15	150.35	148.57	40.2	40.2	41.5	3.76	3.74	3.58
New Britain	147.53	144.87	141.00	40.2	39.8	40.4	3.67	3.64	3.49
New Haven	146.61	145.56	142.80	40.5	40.1	40.8	3.62	3.63	3.50
Stamford	151.62	147.77	155.72	39.9	39.3	42.2	3.80	3.76	3.69
Waterbury	139.93	138.10	133.31	41.4	41.1	41.4	3.38	3.36	3.22
DELAWARE	156.18	153.50	139.60	41.1	40.5	40.7	3.80	3.79	3.43
Wilmington	174.29	170.13	158.62	41.3	40.7	41.2	4.22	4.18	3.85
DISTRICT OF COLUMBIA :									
Washington SMSA	160.27	158.62	147.82	38.9	38.5	38.9	4.12	4.12	3.80
FLORIDA	126.79	124.64	118.40	41.3	41.0	41.4	3.07	3.04	2.86
Fort Lauderdale-Hollywood	127.47	128.30	130.41	39.1	39.6	41.4	3.26	3.24	3.15
Jacksonville	135.88	135.43	130.40	41.3	41.8	42.2	3.29	3.24	3.09
Miami	117.60	115.63	117.22	40.0	39.6	40.7	2.94	2.92	2.88
Orlando	123.82	122.48	126.26	41.0	41.1	42.8	3.02	2.98	2.95
Pensacola	147.70	141.64	132.40	42.2	40.7	40.0	3.50	3.48	3.31
Tampa-St. Petersburg	138.78	132.48	124.23	42.7	41.4	41.0	3.25	3.20	3.03
West Palm Beach	141.48	143.53	142.27	43.4	44.3	46.8	3.26	3.24	3.04
GEOORGIA	(*)	115.43	109.21	(*)	40.5	40.6	(*)	2.85	2.69
Atlanta	(*)	148.34	138.31	(*)	40.2	40.8	(*)	3.69	3.39
Savannah	148.52	145.25	136.69	42.8	42.1	41.8	3.47	3.45	3.27
HAWAII	125.19	135.74	117.90	39.0	40.4	39.3	3.21	3.36	3.00
Honolulu	123.38	131.87	116.42	38.8	39.6	39.2	3.18	3.33	2.97
IDAHO	138.29	130.76	135.38	39.4	37.9	40.9	3.51	3.45	3.31
ILLINOIS	157.54	156.98	146.34	40.1	40.1	40.3	3.93	3.91	3.63
Chicago	(*)	157.88	147.44	(*)	40.0	40.2	(*)	3.95	3.67
Davenport-Rock Island-Moline	(*)	178.20	163.39	(*)	40.2	40.0	(*)	4.43	4.09

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		
	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970
ILLINOIS (continued)									
Peoria	(*)	\$184.07	\$164.39	(*)	40.6	40.7	(*)	\$4.53	\$4.04
Rockford	\$155.41	153.68	147.88	40.2	40.4	41.0	\$3.87	3.81	3.60
INDIANA	165.23	162.40	149.60	41.0	40.6	40.0	4.03	4.00	3.74
Indianapolis	(*)	164.43	151.88	(*)	40.7	40.5	(*)	4.04	3.75
IOWA	161.60	160.00	143.81	40.3	40.0	39.4	4.01	4.00	3.65
Cedar Rapids	167.69	165.65	145.02	41.1	40.7	39.3	4.08	4.07	3.69
Des Moines	168.80	166.34	148.60	40.0	39.7	38.9	4.22	4.19	3.82
Dubuque	174.34	174.26	152.11	37.9	37.8	37.1	4.60	4.61	4.10
Sioux City	154.82	147.55	149.34	42.3	41.1	41.6	3.66	3.59	3.59
Waterloo	177.20	178.45	150.15	40.0	40.1	38.6	4.43	4.45	3.89
KANSAS	145.85	147.94	130.76	41.5	41.8	40.4	3.51	3.54	3.23
Topeka	155.09	165.59	99.44	41.5	43.2	30.4	3.74	3.83	3.27
Wichita	159.50	158.73	144.68	43.1	43.0	42.8	3.70	3.69	3.38
KENTUCKY	133.72	134.35	130.54	39.1	39.4	39.8	3.42	3.41	3.28
Louisville	157.61	158.79	147.20	39.6	40.2	40.0	3.98	3.95	3.68
LOUISIANA	150.51	146.09	134.37	43.5	42.1	41.6	3.46	3.47	3.23
Baron Rouge	174.71	173.06	158.42	41.4	41.7	41.8	4.22	4.15	3.79
New Orleans	144.77	144.32	134.87	41.6	41.0	40.5	3.48	3.52	3.33
Shreveport	135.56	133.40	125.15	42.1	41.3	40.9	3.22	3.23	3.06
MAINE	114.00	112.12	108.00	40.0	39.9	40.3	2.85	2.81	2.68
Lewiston-Auburn	93.24	93.73	89.30	37.0	36.9	36.9	2.52	2.54	2.42
Portland	127.84	123.86	116.57	40.2	39.7	40.9	3.18	3.12	2.85
MARYLAND	144.40	145.20	135.20	40.0	40.0	40.0	3.61	3.63	3.38
Baltimore	151.50	151.90	140.35	40.4	40.4	40.1	3.75	3.76	3.50
MASSACHUSETTS	(*)	133.62	126.80	(*)	39.3	39.5	(*)	3.40	3.21
Boston	(*)	145.86	138.20	(*)	39.0	39.6	(*)	3.74	3.49
Brockton	(*)	116.89	110.93	(*)	38.2	37.6	(*)	3.06	2.95
Fall River	(*)	100.80	93.80	(*)	36.0	35.0	(*)	2.80	2.68
Lawrence-Haverhill	(*)	127.26	121.60	(*)	40.4	40.4	(*)	3.15	3.01
Lowell	(*)	122.45	115.82	(*)	39.5	39.8	(*)	3.10	2.91
New Bedford	(*)	108.54	98.52	(*)	37.3	36.9	(*)	2.91	2.67
Springfield-Chicopee-Holyoke	(*)	133.17	127.83	(*)	39.4	39.7	(*)	3.38	3.22
Worcester	(*)	134.08	130.14	(*)	38.2	39.2	(*)	3.51	3.32
MICHIGAN	191.74	189.07	178.79	41.8	41.3	42.6	4.59	4.58	4.20
Ann Arbor	219.88	207.14	186.78	44.8	42.7	44.0	4.91	4.85	4.25
Battle Creek	172.83	172.40	165.77	40.1	40.0	40.5	4.31	4.31	4.09
Bay City	168.71	176.19	154.92	39.8	41.9	39.6	4.24	4.21	3.91
Detroit	204.00	195.84	191.49	42.5	41.1	43.8	4.80	4.77	4.37
Flint	217.24	228.16	208.59	41.6	43.0	44.4	5.22	5.31	4.70
Grand Rapids	163.64	159.04	149.88	40.9	40.5	40.4	4.00	3.93	3.71
Jackson	166.66	163.64	156.35	38.4	37.8	38.5	4.34	4.33	4.06
Kalamazoo	176.10	174.92	175.62	41.8	41.4	43.3	4.21	4.23	4.06
Lansing	197.59	218.26	181.99	40.9	43.8	41.4	4.83	4.98	4.40
Muskegon-Muskegon Heights	158.69	148.95	151.14	40.4	38.8	39.9	3.93	3.84	3.79
Saginaw	229.36	233.63	202.19	43.3	43.8	43.5	5.30	5.33	4.65
MINNESOTA	150.87	148.10	140.51	40.0	39.5	39.8	3.78	3.75	3.53
Duluth-Superior	147.98	142.18	131.33	39.8	39.3	39.2	3.72	3.62	3.35
Minneapolis-St. Paul	157.79	155.72	147.91	39.8	39.5	39.8	3.96	3.94	3.72
MISSISSIPPI	104.86	103.20	97.77	40.8	40.0	40.4	2.57	2.58	2.42
Jackson	107.19	105.66	102.66	42.2	41.6	41.9	2.54	2.54	2.45
MISSOURI	143.28	142.52	137.76	39.8	39.7	40.4	3.60	3.59	3.41
Kansas City	141.91	141.15	131.45	40.2	40.1	40.2	3.53	3.52	3.27
St. Joseph	146.60	146.38	141.17	43.5	42.8	41.4	3.37	3.42	3.41
St. Louis	163.61	164.02	155.45	40.2	40.4	40.8	4.07	4.06	3.81
Springfield	117.66	116.01	110.65	38.2	38.8	39.1	3.08	2.99	2.83
MONTANA	157.61	158.78	148.54	39.6	40.3	39.4	3.98	3.94	3.77
NEBRASKA	140.27	137.76	135.94	41.9	41.3	42.3	3.35	3.34	3.21
Lincoln	129.37	127.22	117.70	40.3	39.7	38.9	3.21	3.20	3.02
Omaha	142.90	141.13	138.66	40.6	40.5	41.4	3.52	3.48	3.35

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June p 1971	May 1971	June 1970	June p 1971	May 1971	June 1970	June p 1971	May 1971	June 1970
NEVADA.....	\$174.40	\$173.93	\$160.33	40.0	39.8	39.2	\$4.36	\$4.37	\$4.09
Las Vegas.....	(*)	194.68	175.39	(*)	40.9	40.6	(*)	4.76	4.32
NEW HAMPSHIRE.....	116.72	115.44	108.25	39.3	39.0	38.8	2.97	2.96	2.79
Manchester.....	106.47	104.43	99.04	38.3	37.7	37.8	2.78	2.77	2.62
NEW JERSEY.....	149.45	146.77	138.98	40.5	40.1	40.4	3.69	3.66	3.44
Atlantic City.....	116.12	114.67	115.08	40.6	41.1	41.1	2.86	2.79	2.80
Camden ¹	149.09	146.78	134.64	41.3	41.0	39.6	3.61	3.58	3.40
Jersey City ²	149.92	145.08	141.15	41.3	40.3	40.1	3.63	3.60	3.52
Newark.....	147.26	146.12	140.13	39.8	39.6	40.5	3.70	3.69	3.46
Paterson-Clifton-Passaic ²	145.33	144.97	136.67	39.6	39.5	39.5	3.67	3.67	3.46
Perch Amboy ²	154.00	150.13	143.92	40.0	39.3	40.2	3.85	3.82	3.58
Trenton.....	144.26	144.60	135.04	39.2	39.4	39.6	3.68	3.67	3.41
NEW MEXICO.....	107.06	108.67	103.98	39.8	40.1	38.8	2.69	2.71	2.68
Albuquerque.....	121.47	126.78	114.21	41.6	42.4	40.5	2.92	2.99	2.82
NEW YORK.....	(*)	144.69	134.55	(*)	39.0	39.0	(*)	3.71	3.45
Albany-Schenectady-Troy.....	160.79	159.56	149.33	40.4	40.6	40.8	3.98	3.93	3.66
Binghamton.....	146.73	143.67	134.31	41.1	40.7	40.7	3.57	3.53	3.30
Buffalo.....	176.73	175.48	163.14	41.1	41.0	41.3	4.30	4.28	3.95
Elmira.....	137.16	135.72	123.91	39.3	39.0	38.6	3.49	3.48	3.21
Monroe County ³	176.14	175.71	161.54	40.4	40.3	41.0	4.36	4.36	3.94
Nassau and Suffolk Counties ⁴	149.14	146.49	136.57	40.2	39.7	39.7	3.71	3.69	3.44
New York-Northeastern New Jersey.....	(*)	140.89	131.97	(*)	38.6	38.7	(*)	3.65	3.41
New York SMSA ²	(*)	137.21	127.43	(*)	37.8	37.7	(*)	3.63	3.38
New York City ⁴	(*)	134.65	124.99	(*)	37.3	37.2	(*)	3.61	3.36
Rochester.....	170.47	170.47	157.47	40.3	40.3	40.9	4.23	4.23	3.85
Rockland County ⁴	146.37	145.36	132.60	40.1	39.5	39.7	3.65	3.68	3.34
Syracuse.....	153.12	152.76	141.50	40.4	40.2	40.2	3.79	3.80	3.52
Utica-Rome.....	135.94	134.46	125.37	40.1	39.9	39.3	3.39	3.37	3.19
Westchester County ⁴	142.45	144.30	134.35	38.5	39.0	39.4	3.70	3.70	3.41
NORTH CAROLINA.....	104.52	103.08	96.62	40.2	39.8	39.6	2.60	2.59	2.44
Asheville.....	99.84	100.00	91.54	39.0	40.0	38.3	2.56	2.50	2.39
Charlotte.....	112.03	110.40	105.67	40.3	40.0	40.8	2.78	2.76	2.59
Greensboro-Winston-Salem-High Point.....	114.84	114.65	107.29	39.6	39.4	39.3	2.90	2.91	2.73
Raleigh.....	108.54	106.38	97.61	40.2	39.4	39.2	2.70	2.70	2.49
NORTH DAKOTA.....	131.24	128.99	121.17	41.7	41.4	41.4	3.15	3.11	2.93
Fargo-Moorhead.....	150.99	147.49	129.74	40.6	39.9	39.9	3.72	3.70	3.25
OHIO.....	170.98	168.92	157.80	41.5	41.2	41.2	4.12	4.10	3.83
Akron.....	177.92	174.93	158.40	40.9	40.4	39.9	4.35	4.33	3.97
Canton.....	159.53	157.16	155.01	39.1	38.9	40.9	4.08	4.04	3.79
Cincinnati.....	162.21	158.24	151.11	41.7	41.1	41.4	3.89	3.85	3.65
Cleveland.....	175.98	172.22	159.47	41.8	41.2	41.1	4.21	4.18	3.88
Columbus.....	151.69	151.31	145.93	39.4	39.3	40.2	3.85	3.85	3.63
Dayton.....	184.87	181.44	177.66	40.9	40.5	42.1	4.52	4.48	4.22
Toledo.....	181.40	181.40	168.90	41.7	41.7	41.6	4.35	4.35	4.06
Youngstown-Warren.....	189.13	189.64	162.00	42.5	43.1	40.1	4.45	4.40	4.04
OKLAHOMA.....	131.30	130.49	125.15	40.4	40.4	40.9	3.25	3.23	3.06
Oklahoma City.....	129.52	129.44	126.07	40.1	40.2	41.2	3.23	3.22	3.06
Tulsa.....	142.91	141.29	139.70	40.6	40.6	41.7	3.52	3.48	3.35
OREGON.....	165.09	161.57	148.61	39.4	39.6	38.7	4.19	4.08	3.84
Eugene.....	175.87	168.90	158.40	40.9	40.7	39.6	4.30	4.15	4.00
Portland.....	158.30	155.21	142.12	38.8	38.9	37.4	4.08	3.99	3.80
PENNSYLVANIA.....	141.81	139.91	132.38	39.5	39.3	39.4	3.59	3.56	3.36
Allentown-Bethlehem-Easton.....	139.80	134.08	126.77	38.3	38.2	38.3	3.65	3.51	3.31
Aldoona.....	115.28	115.36	109.52	38.3	38.2	38.7	3.01	3.02	2.83
Delaware Valley ¹	152.38	151.18	141.29	40.1	40.1	39.8	3.80	3.77	3.55
Erie.....	152.99	151.11	137.83	41.8	41.4	40.3	3.66	3.65	3.42
Harrisburg.....	129.10	124.80	123.72	39.6	39.0	40.3	3.26	3.20	3.07
Johnstown.....	147.07	138.36	131.22	38.1	37.7	37.6	3.86	3.67	3.49
Lancaster.....	129.89	126.29	121.18	39.6	39.1	39.6	3.28	3.23	3.06
Philadelphia.....	152.82	152.00	140.49	39.9	40.0	39.8	3.83	3.80	3.53
Pittsburgh.....	162.79	162.00	153.06	40.8	40.5	40.6	3.99	4.00	3.77
Reading.....	129.36	126.55	122.58	39.2	38.7	39.8	3.30	3.27	3.08
Scranton.....	110.29	108.47	103.51	36.4	35.8	37.1	3.03	3.03	2.79
Wilkes-Barre-Hazleton.....	105.63	105.27	96.37	36.3	36.3	35.3	2.91	2.90	2.73
York.....	131.93	130.79	123.85	41.1	41.0	41.7	3.21	3.19	2.97

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		
	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970	June 1971 P	May 1971	June 1970
RHODE ISLAND.....	\$117.11	\$116.42	\$111.72	39.3	39.2	39.2	\$2.98	\$2.97	\$2.85
Providence-Pawtucket-Warwick	118.59	117.99	112.39	39.4	39.2	39.3	3.01	3.01	2.86
SOUTH CAROLINA.....	108.50	107.30	100.44	41.1	40.8	40.5	2.64	2.63	2.48
Charleston	(*)	123.40	121.10	(*)	39.3	40.1	(*)	3.14	3.02
Greenville.....	(*)	107.68	98.49	(*)	41.1	40.2	(*)	2.62	2.45
SOUTH DAKOTA.....	137.22	137.85	131.12	43.7	43.9	44.6	3.14	3.14	2.94
Sioux Falls	167.20	169.46	153.97	47.1	47.6	46.8	3.55	3.56	3.29
TFNNNESSEE.....	118.73	116.35	108.81	40.8	40.4	40.3	2.91	2.88	2.70
Chattanooga	129.60	129.34	117.74	40.5	40.8	40.6	3.20	3.17	2.90
Knoxville	132.26	130.09	118.19	40.2	40.4	40.2	3.29	3.22	2.94
Memphis	131.70	131.22	122.51	40.9	40.5	40.7	3.22	3.24	3.01
Nashville	128.64	125.11	116.58	41.1	40.1	40.2	3.13	3.12	2.90
TEXAS.....	136.53	135.12	129.02	41.0	40.7	40.7	3.33	3.32	3.17
Amarillo	121.57	121.88	113.78	39.6	39.7	39.1	3.07	3.07	2.91
Austin	114.39	114.65	114.54	41.0	40.8	41.5	2.79	2.81	2.76
Beaumont-Port Arthur-Orange.....	178.64	176.95	162.77	40.6	39.7	44.0	4.38	4.10	
Corpus Christi	155.47	157.35	153.46	40.7	41.3	41.7	3.82	3.81	3.68
Dallas	128.43	126.67	122.82	40.9	40.6	40.4	3.14	3.12	3.04
El Paso	90.23	89.78	90.61	40.1	39.9	41.0	2.25	2.25	2.21
Fort Worth	147.35	141.45	135.12	42.1	41.0	40.7	3.50	3.45	3.32
Galveston-Texas City	205.31	204.67	197.86	41.9	42.2	43.2	4.90	4.85	4.58
Houston	162.18	161.77	153.67	41.8	41.8	42.1	3.88	3.87	3.65
Lubbock	118.68	116.47	107.36	43.0	42.2	42.1	2.76	2.76	2.55
San Antonio	107.27	106.71	106.34	41.1	41.2	41.7	2.61	2.59	2.55
Waco	113.98	114.65	111.20	38.9	39.4	40.0	2.93	2.91	2.78
Wichita Falls.....	99.25	98.14	95.59	39.7	39.1	39.5	2.50	2.51	2.42
UTAH	142.20	136.73	134.71	39.5	38.3	38.6	3.60	3.57	3.49
Salt Lake City	132.46	127.48	125.24	39.9	38.4	38.3	3.32	3.32	3.27
VERMONT	127.61	128.54	116.80	40.9	41.2	40.0	3.12	3.12	2.92
Burlington	150.94	152.51	136.96	42.4	42.6	42.8	3.56	3.58	3.20
Springfield	136.28	135.47	106.24	40.2	40.2	33.2	3.39	3.37	3.20
VIRGINIA.....	116.35	114.23	110.70	40.4	39.8	40.4	2.88	2.87	2.74
Lynchburg	115.18	112.07	107.68	40.7	39.6	41.1	2.83	2.83	2.62
Norfolk-Portsmouth	130.59	126.68	126.26	42.4	41.4	42.8	3.08	3.06	2.95
Northern Virginia	150.02	150.35	135.20	39.9	40.2	40.0	3.76	3.74	3.38
Richmond	129.44	134.13	125.55	40.2	40.4	40.5	3.22	3.32	3.10
Roanoke	106.11	106.92	103.28	39.3	39.6	40.5	2.70	2.70	2.55
WASHINGTON	169.09	166.74	160.74	39.6	39.7	39.3	4.27	4.20	4.09
Seattle-Everett	174.36	172.18	166.74	39.9	39.4	39.7	4.37	4.37	4.20
Spokane	160.36	159.08	151.71	39.4	38.8	38.9	4.07	4.10	3.90
Tacoma	169.03	167.06	154.37	39.4	39.4	38.4	4.29	4.24	4.02
WEST VIRGINIA.....	143.60	141.81	135.32	40.0	39.5	39.8	3.59	3.59	3.40
Charleston	174.72	173.89	165.87	41.9	41.8	42.1	4.17	4.16	3.94
Huntington-Ashland	154.03	151.29	146.55	39.8	39.5	39.5	3.87	3.83	3.71
Wheeling	152.40	150.84	135.80	41.3	41.1	38.8	3.69	3.67	3.50
WISCONSIN	157.26	155.98	145.96	40.6	40.4	40.5	3.88	3.86	3.60
Green Bay	160.51	156.38	150.92	42.1	41.7	42.3	3.82	3.75	3.57
Kenosha	178.83	171.19	155.25	40.3	39.2	39.0	4.43	4.37	3.98
La Crosse	134.41	132.00	124.11	41.6	41.2	41.0	3.23	3.20	3.03
Madison	185.98	178.94	164.75	42.0	40.7	40.4	4.42	4.39	4.08
Milwaukee	169.27	168.32	157.16	40.4	40.3	40.2	4.19	4.18	3.91
Racine	157.03	157.69	150.39	39.5	39.7	40.3	3.98	3.97	3.73
WYOMING	142.96	143.24	131.06	39.6	39.9	38.1	3.61	3.59	3.44
Casper	167.68	166.82	154.40	40.6	40.4	40.0	4.13	4.13	3.86
Cheyenne	147.46	142.13	110.55	38.3	37.7	33.5	3.85	3.77	3.30

¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

² Area included in New York-Northeastern New Jersey Standard Consolidated Area.

³ Subarea of Rochester Standard Metropolitan Statistical Area.

⁴ Subarea of New York Standard Metropolitan Statistical Area.

⁵ Subarea of Washington, D. C. Standard Metropolitan Statistical Area. Initial inclusion in this publication.

* Not available.

P = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
LABOR TURNOVER**

104

D-1: Labor turnover rates in manufacturing

1959 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1959.....	3.8	3.7	4.1	4.1	4.2	5.4	4.4	5.2	5.1	3.9	3.4	3.6	4.2
1960.....	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961.....	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962.....	4.1	3.6	3.8	4.0	4.3	5.0	4.6	5.1	4.9	3.9	3.0	2.4	4.1
1963.....	3.6	3.3	3.5	3.9	3.9	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964.....	3.6	3.4	3.7	3.8	3.9	5.1	4.4	5.1	4.8	4.0	3.2	2.6	4.0
1965.....	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1	4.3
1966.....	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9	5.0
1967.....	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8	4.4
1968.....	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1	4.6
1969.....	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	5.0	3.6	2.9	4.0
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	3.2	3.5	3.6	3.9	4.8p							
New hires													
1959.....	2.0	2.1	2.4	2.5	2.7	3.7	3.0	3.5	3.5	2.6	1.9	1.5	2.6
1960.....	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961.....	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962.....	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963.....	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.2	2.6	1.8	1.4	2.4
1964.....	2.0	2.0	2.2	2.4	2.5	3.6	2.9	3.4	3.5	2.8	2.2	1.6	2.6
1965.....	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2	3.1
1966.....	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1	3.8
1967.....	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0	3.3
1968.....	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2	3.5
1969.....	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1	3.7
1970.....	2.9	2.5	2.6	2.6	2.8	3.9	2.9	3.5	3.4	2.7	1.9	1.4	2.8
1971.....	2.0	1.9	2.2	2.3	2.6	3.4p							
Total separations													
1959.....	3.7	3.1	3.3	3.6	3.5	3.6	4.0	4.6	5.3	5.5	4.7	3.9	4.1
1960.....	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961.....	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962.....	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963.....	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.8	4.9	4.1	3.9	3.7	3.9
1964.....	4.0	3.3	3.5	3.5	3.6	3.5	4.4	4.3	5.1	4.2	3.6	3.7	3.9
1965.....	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1	4.1
1966.....	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2	4.6
1967.....	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9	4.6
1968.....	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8	4.6
1969.....	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.3	4.3	4.2	4.9
1970.....	4.8	4.3	4.5	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1	4.8
1971.....	4.2	3.5	3.7	3.9	3.7	3.8p							
Quits													
1959.....	1.1	1.0	1.2	1.4	1.5	1.5	1.6	2.1	2.6	1.7	1.2	1.0	1.5
1960.....	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961.....	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962.....	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963.....	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964.....	1.2	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.7	1.7	1.2	1.0	1.5
1965.....	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4	1.9
1966.....	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7	2.6
1967.....	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5	2.3
1968.....	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6	2.5
1969.....	2.3	2.1	2.4	2.6	2.7	2.6	2.6	4.0	4.4	2.9	2.1	1.6	2.7
1970.....	2.1	1.9	1.9	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2	2.1
1971.....	1.4	1.3	1.5	1.6	1.7	1.7p							
Layoffs													
1959.....	2.1	1.5	1.6	1.6	1.4	1.4	1.8	1.8	2.0	3.2	2.9	2.4	2.0
1960.....	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961.....	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962.....	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963.....	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964.....	2.0	1.6	1.6	1.4	1.4	1.3	2.1	1.4	1.5	1.8	1.7	2.1	1.7
1965.....	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9	1.4
1966.....	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7	1.2
1967.....	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6	1.4
1968.....	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4	1.2
1969.....	1.2	1.0	1.0	.9	.9	1.0	1.6	1.1	1.1	1.3	1.3	1.8	1.2
1970.....	1.7	1.6	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.3	1.8
1971.....	1.9	1.5	1.4	1.4	1.2	1.2p							

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				
		June 1971P	May 1971	June 1971P	May 1971	June 1971P	May 1971	June 1971P	May 1971			
	MANUFACTURING	.	4.8	3.9	3.4	2.6	3.8	3.7	1.7	.1.7	1.2	1.2
19,24,25,32-39	DURABLE GOODS .	..	4.3	3.6	2.9	2.3	3.5	3.3	1.4	1.4	1.2	1.1
20-23,26-31	NONDURABLE GOODS .	..	5.5	4.3	4.1	3.0	4.1	4.1	2.1	2.1	1.2	1.3
	<i>Durable Goods</i>											
	ORDNANCE AND ACCESSORIES	-	1.7	-	.7	-	2.5	-	.7	-	1.4
	Ammunition, except for small arms	-	1.5	-	.6	-	2.3	-	.5	-	1.3
24	LUMBER AND WOOD PRODUCTS	8.0	6.7	6.5	5.3	4.8	4.7	3.1	3.0	.7	.8	
242	Sawmills and planing mills	-	6.0	-	5.1	-	4.7	-	3.2	-	.7	
2421	Sawmills and planing mills, general	-	6.0	-	5.0	-	4.4	-	2.9	-	.6	
243	Millwork, plywood & related products	-	6.3	-	5.5	-	4.2	-	2.8	-	.7	
2431	Millwork	-	6.2	-	5.4	-	4.0	-	2.5	-	.6	
2432	Veneer and plywood	-	4.7	-	4.1	-	4.5	-	2.8	-	.9	
244	Wooden containers	-	9.5	-	8.2	-	5.6	-	4.0	-	.8	
2441,2	Wooden boxes, shooe, and crates	-	10.1	-	8.7	-	4.8	-	3.9	-	.2	
249	Miscellaneous wood products	-	4.9	-	3.9	-	5.4	-	2.9	-	1.2	
25	FURNITURE AND FIXTURES	5.6	5.5	4.7	4.3	4.3	4.8	2.7	3.0	.7	.8	
251	Household furniture	-	5.6	-	4.7	-	5.1	-	3.4	-	.6	
2511	Wood household furniture	-	6.3	-	5.0	-	5.0	-	3.6	-	.4	
2512	Upholstered household furniture	-	4.3	-	3.9	-	4.2	-	2.9	-	.3	
2515	Mattresses and bedsprings	-	5.3	-	4.6	-	4.8	-	3.2	-	.5	
252	Office furniture	-	4.7	-	1.7	-	2.8	-	1.5	-	.6	
32	STONE, CLAY, AND GLASS PRODUCTS	5.4	4.6	4.2	3.3	3.5	3.7	1.8	1.8	.8	1.0	
321	Flat glass	-	3.3	-	.4	-	3.8	-	.4	-	2.2	
322	Glass and glassware, pressed or blown	-	3.9	-	2.2	-	3.1	-	1.4	-	.8	
3221	Glass containers	-	3.8	-	2.5	-	3.0	-	1.6	-	.7	
3229	Pressed and blown glass, n e c	-	3.9	-	1.7	-	3.2	-	1.1	-	1.1	
324	Cement, hydraulic	-	1.9	-	1.6	-	1.2	-	.4	-	.2	
325	Structural clay products	-	6.0	-	4.7	-	4.2	-	2.8	-	.5	
3251	Brick and structural clay tile	-	7.2	-	6.3	-	4.8	-	3.4	-	.3	
326	Pottery and related products	-	3.5	-	2.6	-	4.5	-	2.0	-	1.6	
3291	Abrasives products	-	2.0	-	1.0	-	2.0	-	.7	-	.7	
33	PRIMARY METAL INDUSTRIES	3.2	3.0	2.1	2.0	3.2	2.7	1.1	1.0	1.1	.8	
331	Blast furnace and basic steel products	-	2.8	-	1.9	-	2.2	-	.7	-	.6	
3312	Blast furnaces and steel mills	-	2.8	-	1.9	-	2.2	-	.7	-	.6	
332	Iron and steel foundries	-	3.4	-	2.3	-	3.5	-	1.6	-	1.0	
3321	Gray iron foundries	-	3.4	-	2.3	-	3.0	-	1.6	-	.5	
3322	Malleable iron foundries	-	3.9	-	3.3	-	6.0	-	2.1	-	2.6	
3323	Steel foundries	-	3.3	-	1.9	-	3.9	-	1.4	-	1.4	
333,4	Nonferrous metals	-	2.8	-	1.8	-	2.8	-	1.2	-	.7	
335	Nonferrous rolling and drawing	-	2.5	-	1.6	-	2.7	-	.8	-	1.1	
3351	Copper rolling and drawing	-	3.8	-	2.6	-	1.6	-	.8	-	.1	
3352	Aluminum rolling and drawing	-	2.3	-	1.6	-	3.9	-	1.0	-	2.3	
3357	Nonferrous wire drawing, and insulating	-	2.4	-	1.2	-	2.2	-	.8	-	.6	
336	Nonferrous foundries	-	4.4	-	2.7	-	3.7	-	1.7	-	1.0	
3361	Aluminum castings	-	4.9	-	3.2	-	3.9	-	1.9	-	1.1	
3362,9	Other nonferrous castings	-	3.8	-	2.2	-	3.5	-	1.4	-	1.0	
339	Miscellaneous primary metal products	-	3.3	-	1.9	-	3.1	-	1.1	-	1.3	
3391	Iron and steel forgings	-	2.7	-	1.1	-	2.8	-	.8	-	1.5	

See footnotes at end of table.

ESTABLISHMENT DATA
LABOR TURNOVER

106

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits			
		June 1971 ^P	May 1971								
<i>Durable Goods--Continued</i>											
34	FABRICATED METAL PRODUCTS	-	4.1	-	2.7	-	3.8	-	1.6	-	1.4
341	Metal cans	-	5.6	-	1.4	-	5.1	-	.9	-	3.1
342	Cutlery, hand tools, and hardware	-	2.7	-	1.8	-	2.6	-	1.3	-	.7
3421,3,5	Cutlery and hand tools, incl. saws	-	2.7	-	2.0	-	2.9	-	1.2	-	.9
3429	Hardware, n.e.c.	-	2.6	-	1.7	-	2.4	-	1.3	-	.6
343	Plumbing and heating, except electric	-	4.4	-	3.5	-	3.5	-	1.8	-	.8
3431,2	Sanitary ware & plumbers' brass goods	-	4.5	-	3.8	-	3.5	-	2.0	-	.2
3433	Heating equipment, except electric	-	4.4	-	3.3	-	3.6	-	1.6	-	1.2
344	Fabricated structural metal products	-	4.9	-	3.5	-	4.0	-	1.8	-	1.3
3441	Fabricated structural steel	-	4.7	-	3.3	-	4.2	-	1.9	-	1.6
3443	Fabricated plate work (boiler shops)	-	2.8	-	1.9	-	3.1	-	1.2	-	1.2
3446,9	Architectural and misc. metal work	-	5.3	-	3.9	-	3.7	-	1.7	-	1.2
345	Screw machine products, bolts, etc.	-	2.5	-	1.9	-	3.2	-	1.4	-	1.1
3452	Bolts, nuts, rivets, and washers	-	1.9	-	1.5	-	2.5	-	1.0	-	.8
346	Metal stampings	-	4.1	-	1.7	-	3.8	-	1.1	-	1.9
348	Misc. fabricated wire products	-	3.9	-	2.9	-	4.3	-	2.1	-	1.4
349	Misc. fabricated metal products	-	3.0	-	2.2	-	3.4	-	1.4	-	1.2
3494,8	Valves, pipe, and pipe fittings	-	2.7	-	2.1	-	2.7	-	1.3	-	.8
35	MACHINERY, EXCEPT ELECTRICAL	3.2	2.5	1.9	1.5	2.7	3.1	1.0	.9	1.0	1.4
351	Engines and turbines	-	2.3	-	1.0	-	2.6	-	.7	-	.9
3511	Steam engines and turbines	-	1.9	-	1.0	-	2.1	-	.5	-	.7
3519	Internal combustion engines, n.e.c.	-	2.5	-	1.0	-	2.8	-	.7	-	1.1
352	Farm machinery	-	2.7	-	1.5	-	4.8	-	1.0	-	2.6
353	Construction and related machinery	-	2.4	-	1.7	-	2.8	-	.9	-	1.3
3531,2	Construction and mining machinery	-	1.9	-	1.2	-	2.3	-	.7	-	1.0
3533	Oil field machinery	-	3.7	-	3.3	-	2.6	-	1.5	-	.3
3535,6	Conveyors, hoists, cranes, monorails	-	2.3	-	1.4	-	3.0	-	.8	-	1.4
354	Metal working machinery	-	2.3	-	1.0	-	3.6	-	.7	-	2.2
3541	Machine tools, metal cutting types	-	1.5	-	.3	-	2.3	-	.5	-	1.4
3545	Machine tool accessories	-	1.8	-	.5	-	1.8	-	.5	-	.7
3542,8	Misc. metal working machinery	-	1.7	-	.7	-	2.9	-	.7	-	1.5
355	Special industry machinery	-	2.1	-	1.4	-	2.4	-	.9	-	.8
3551	Food products machinery	-	1.9	-	1.3	-	2.0	-	.8	-	.6
3552	Textile machinery	-	2.9	-	2.1	-	3.1	-	1.5	-	.9
356	General industrial machinery	-	2.6	-	1.2	-	2.6	-	.8	-	1.3
3561	Pumps and compressors	-	2.0	-	1.1	-	2.3	-	.8	-	1.0
3562	Ball and roller bearings	-	2.6	-	.5	-	2.6	-	.5	-	1.5
3566	Power transmission equipment	-	2.2	-	1.1	-	2.8	-	.9	-	1.3
357	Office and computing machines	-	1.8	-	.9	-	2.3	-	.8	-	.8
3573	Electronic computing equipment	-	1.6	-	.8	-	1.7	-	.7	-	.3
358	Service industry machines	-	3.5	-	2.5	-	3.9	-	1.3	-	1.8
3585	Refrigeration machinery	-	3.5	-	2.3	-	4.2	-	1.2	-	2.2
36	ELECTRICAL EQUIPMENT AND SUPPLIES	-	2.9	-	1.5	--	2.8	-	1.1	-	.9
361	Electric test & distributing equipment	-	2.0	-	1.1	-	2.2	-	.9	-	.5
3611	Electric measuring instruments	-	1.9	-	1.2	-	2.2	-	.9	-	.7
3612	Transformers	-	2.2	-	.8	-	2.5	-	1.0	-	.6
3613	Switchgear and switchboard apparatus	-	2.0	-	1.2	-	2.1	-	.9	-	.4
362	Electrical industrial apparatus	-	2.4	-	1.1	-	2.5	-	.8	-	1.0
3621	Motors and generators	-	2.7	-	1.2	-	2.8	-	.8	-	1.2
3622	Industrial controls	-	2.2	-	1.2	-	1.7	-	.7	-	.4
363	Household appliances	-	3.6	-	2.0	-	2.8	-	1.3	-	.7
3632	Household refrigerators and freezers	-	3.1	-	1.5	-	2.6	-	1.3	-	.5
3633	Household laundry equipment	-	3.7	-	1.4	-	2.5	-	.8	-	1.0
3634	Electric housewares and fans	-	3.7	-	1.9	-	3.6	-	1.5	-	1.3
364	Electric lighting and wiring equipment	-	3.1	-	2.0	-	2.9	-	1.4	-	.7
3641	Electric lamps	-	1.6	-	.9	-	2.4	-	.9	-	.6
3642	Lighting fixtures	-	3.9	-	2.5	-	3.2	-	1.4	-	.9
3643,4	Wiring devices	-	3.3	-	2.2	-	2.9	-	1.7	-	.5
365	Radio and TV receiving equipment	-	6.8	-	3.5	-	4.1	-	1.9	-	.9
366	Communication equipment	-	1.4	-	.6	-	2.4	-	.8	-	1.0
3661	Telephone and telegraph apparatus	-	.8	+	.4	-	2.0	-	.9	-	.4
3662	Radio and TV communication equipment	-	1.8	-	.7	-	2.6	-	.7	-	1.3
367	Electronic components and accessories	-	3.5	-	1.7	-	3.5	-	1.5	-	1.0
3671-3	Electron tubes	-	2.5	-	.4	-	3.7	-	1.1	-	1.2
3674,9	Other electronic components	-	3.7	-	2.0	-	3.5	-	1.5	-	1.0
369	Misc. electrical equipment & supplies	-	3.3	-	1.5	-	2.4	-	1.0	-	.8
3694	Engine electrical equipment	-	3.3	-	1.0	-	1.9	-	.7	-	.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	
		June 1971P	May 1971	June 1971P	May 1971	June 1971P	May 1971	June 1971P	May 1971
<i>Durable Goods--Continued</i>									
37	TRANSPORTATION EQUIPMENT	-	3.8	-	2.0	-	3.2	-	1.1
371	Motor vehicles and equipment	-	3.1	-	1.5	-	2.0	-	.8
3711	Motor vehicles	-	2.7	-	1.4	-	1.7	-	.7
3712	Passenger car bodies	-	2.6	-	1.4	-	1.5	-	.5
3713	Truck and bus bodies	-	4.1	-	3.4	-	3.0	-	1.5
3714	Motor vehicle parts and accessories	-	3.2	-	1.1	-	2.2	-	.7
372	Aircraft and parts	-	2.0	-	.7	-	2.8	-	.6
3721	Aircraft	-	2.3	-	.6	-	2.2	-	.5
3722	Aircraft engines and engine parts	-	1.1	-	.3	-	3.2	-	.6
3723,9	Other aircraft parts and equipment	-	2.3	-	1.4	-	4.2	-	.8
373	Ship and boat building and repairing	-	9.0	-	5.0	-	8.5	-	2.6
3731	Ship building and repairing	-	9.3	-	4.3	-	9.1	-	2.1
374	Railroad equipment	-	4.4	-	2.1	-	3.6	-	.8
375,9	Other transportation equipment	-	9.9	-	8.6	-	6.3	-	3.6
38	INSTRUMENTS AND RELATED PRODUCTS	3.8	2.8	2.8	2.0	2.5	2.6	1.1	1.1
381	Engineering & scientific instruments	-	2.4	-	1.2	-	2.2	-	.8
382	Mechanical measuring & control devices	-	2.5	-	1.7	-	2.2	-	1.0
3821	Mechanical measuring devices	-	1.8	-	1.2	-	1.9	-	1.0
3822	Automatic temperature controls	-	3.6	-	2.4	-	2.6	-	1.1
383,5	Optical and ophthalmic goods	-	3.5	-	2.7	-	3.8	-	1.4
384	Medical instruments and supplies	-	3.8	-	3.1	-	3.2	-	1.4
386	Photographic equipment and supplies	-	1.3	-	1.0	-	1.5	-	.7
387	Watches, clocks, and watchcases	-	5.9	-	3.5	-	5.3	-	2.0
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	7.3	5.7	5.9	4.3	4.8	4.5	2.3	2.4
391	Jewelry, silverware, and plated ware	-	3.0	-	2.2	-	3.7	-	2.0
394	Toys and sporting goods	-	10.3	-	7.9	-	6.4	-	3.6
3941-3	Games, toys, dolls, & play vehicles	-	13.9	-	10.1	-	7.0	-	4.1
3949	Sporting and athletic goods, n.e.c.	-	6.0	-	5.2	-	5.7	-	3.0
395	Pens, pencils, office and art supplies	-	3.1	-	2.2	-	3.3	-	1.5
396	Costume jewelry and notions	-	5.6	-	4.1	-	4.6	-	2.7
393,9	Other manufacturing industries	-	3.7	-	2.9	-	3.6	-	1.6
<i>Nondurable Goods</i>									
20	FOOD AND KINDRED PRODUCTS	8.5	5.9	6.0	3.9	5.0	5.4	2.5	2.4
201	Meat products	-	7.5	-	4.5	-	6.2	-	3.2
2011	Meat packing plants	-	7.0	-	2.8	-	6.1	-	1.7
2015	Poultry dressing plants	-	11.2	-	9.0	-	8.7	-	7.2
204	Grain mill products	-	3.9	-	2.7	-	3.1	-	1.6
2041	Flour and other grain mill products	-	3.2	-	2.0	-	2.4	-	1.2
2042	Prepared feeds for animals and fowls	-	5.3	-	4.0	-	4.0	-	2.3
205	Bakery products	-	4.4	-	3.4	-	4.1	-	2.2
2051	Bread, cake, and related products	-	4.6	-	3.7	-	3.8	-	2.3
2052	Cookies and crackers	-	3.6	-	2.0	-	5.5	-	1.8
207	Confectionery and related products	-	5.8	-	3.1	-	5.3	-	1.9
2071	Confectionery products	-	6.8	-	3.5	-	6.3	-	2.2
208	Beverages	-	5.2	-	3.9	-	4.2	-	2.0
2082	Malt liquors	-	3.7	-	1.3	-	3.0	-	.3
21	TOBACCO MANUFACTURES	4.7	2.7	2.5	1.7	2.4	2.3	1.1	1.1
211	Cigarettes	-	1.6	-	.7	-	1.2	-	.4
212	Cigars	-	3.6	-	3.0	-	4.2	-	3.0

See footnotes at end of table.

ESTABLISHMENT DATA
LABOR TURNOVER

108

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits			
		June 1971 P	May 1971	June 1971 P	May 1971	June 1971 P	May 1971	June 1971 P	May 1971		
<i>Nondurable Goods--Continued</i>											
22	TEXTILE MILL PRODUCTS.....	5.8	5.3	4.7	4.2	5.0	5.2	3.3	3.4	0.7	0.8
221	Weaving mills, cotton	-	5.0	-	4.0	-	5.8	-	3.9	-	.7
222	Weaving mills, synthetics.....	-	4.8	-	3.7	-	5.1	-	3.1	-	1.0
223	Weaving and finishing mills, wool.....	-	5.2	-	3.2	-	5.4	-	2.5	-	1.8
224	Narrow fabric mills	-	5.0	-	3.7	-	4.2	-	2.8	-	.6
225	Knitting mills	-	5.3	-	4.0	-	4.6	-	3.1	-	.7
2251	Women's hosiery, except socks	-	3.3	-	1.9	-	3.7	-	2.6	-	.5
2252	Hosiery, n e c	-	5.3	-	4.4	-	4.7	-	3.3	-	.7
2254	Knit underwear mills	-	4.5	-	3.5	-	3.7	-	3.1	-	.2
226	Textile finishing, except wool.....	-	4.6	-	3.7	-	4.3	-	2.6	-	.7
227	Floor covering mills	-	4.6	-	3.7	-	4.6	-	2.5	-	1.2
228	Yarn and thread mills	-	7.1	-	5.8	-	6.8	-	5.0	-	.5
229	Miscellaneous textile goods	-	5.3	-	4.1	-	4.4	-	2.6	-	.7
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.7	5.4	3.9	3.5	5.8	5.2	2.6	2.6	2.4	1.9
231	Men's and boys' suits and coats	-	4.1	-	1.8	-	2.6	-	1.2	-	1.0
232	Men's and boys' furnishings	-	5.9	-	4.7	-	5.5	-	3.8	-	.9
2321	Men's and boys' shirts and nightwear	-	5.6	-	4.3	-	5.4	-	3.4	-	1.2
2327	Men's and boys' separate trousers	-	5.5	-	4.6	-	5.9	-	4.2	-	.8
2328	Men's and boys' work clothing	-	5.5	-	4.6	-	5.3	-	4.4	-	.3
234	Women's and children's undergarments	-	3.5	-	2.4	-	3.3	-	1.9	-	1.0
2341	Women's and children's underwear	-	3.1	-	2.3	-	3.1	-	1.8	-	.9
2342	Corsets and allied garments	-	4.4	-	2.8	-	3.9	-	2.0	-	1.3
26	PAPER AND ALLIED PRODUCTS	4.4	3.0	3.4	2.1	2.6	2.6	1.4	1.3	.4	.6
261,2,6	Paper and pulp mills	-	2.0	-	1.2	-	1.8	-	.6	-	.6
263	Paperboard mills	-	2.0	-	1.6	-	1.9	-	1.0	-	.4
264	Misc. converted paper products	-	3.2	-	2.5	-	2.9	-	1.6	-	.7
2643	Bags, except textile bags	-	4.1	-	3.1	-	4.2	-	2.4	-	1.0
265	Paperboard containers and boxes	-	4.0	-	2.9	-	3.4	-	1.9	-	.7
2651,2	Folding and setup paperboard boxes	-	4.0	-	2.7	-	3.7	-	1.9	-	.8
2653	Corrugated and solid fiber boxes	-	3.7	-	2.9	-	3.2	-	2.0	-	.4
	PRINTING AND PUBLISHING	3.7	2.7	2.8	2.1	2.9	2.7	1.6	1.5	.8	.7
28	CHEMICALS AND ALLIED PRODUCTS	3.0	2.0	2.3	1.4	2.3	2.2	.9	.9	.7	.7
281	Industrial chemicals	-	1.1	-	.7	-	1.5	-	.5	-	.5
282	Plastics materials and synthetics	-	1.8	-	1.3	-	1.5	-	.8	-	.1
2821	Plastics materials and resins	-	1.6	-	1.1	-	1.4	-	.7	-	.1
2823,4	Synthetic fibers	-	2.0	-	1.4	-	1.6	-	.9	-	.1
283	Drugs	-	1.8	-	1.4	-	1.5	-	.7	-	.3
2834	Pharmaceutical preparations	-	2.0	-	1.6	-	1.6	-	.8	-	.4
284	Soap, cleaners, and toilet goods	-	3.1	-	1.9	-	2.5	-	1.1	-	.8
2841	Soap and other detergents	-	2.5	-	.9	-	1.8	-	.5	-	.8
2844	Toilet preparations	-	4.0	-	2.4	-	3.1	-	1.4	-	.8
285	Paints and allied products	-	2.6	-	2.2	-	1.9	-	1.0	-	.3
286,9	Other chemical products	-	2.6	-	1.6	-	2.7	-	1.0	-	1.0
29	PETROLEUM AND COAL PRODUCTS.....	3.3	2.2	2.8	1.8	1.8	1.8	.8	.7	.5	.5
291	Petroleum refining	-	1.5	-	1.2	-	1.3	-	.3	-	.5
295,9	Other petroleum and coal products	-	5.0	-	4.1	-	3.6	-	2.1	-	.6
30	RUBBER AND PLASTICS PRODUCTS, N E C.....	5.4	4.4	3.9	3.2	3.7	4.0	2.0	2.0	.7	1.0
301	Tires and inner tubes	-	2.1	-	1.1	-	1.5	-	.5	-	.3
302,3,6	Other rubber products	-	3.9	-	2.6	-	3.7	-	1.8	-	.9
307	Miscellaneous plastics products	-	5.7	-	4.4	-	5.1	-	2.7	-	1.3

See footnotes at end of table.

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates			
		Total		New hires		Total		Quits	
		June 1971 ^b	May 1971						
<i>Nondurable Goods--Continued</i>									
31	LEATHER AND LEATHER PRODUCTS	5.8	6.2	4.4	4.3	5.2	5.9	2.9	3.1
311	Leather tanning and finishing	-	5.3	-	3.7	-	4.3	-	2.4
314	Footwear, except rubber.....	-	6.2	-	4.4	-	5.8	-	3.3
NONMANUFACTURING									
10	METAL MINING.....	5.6	3.2	5.0	2.4	2.9	2.9	2.0	1.8
101	Iron ores.....	-	3.5	-	1.6	-	2.3	-	.7
102	Copper ores	-	2.5	-	2.0	-	2.3	-	1.4
11,12	COAL MINING.....	2.0	1.9	1.6	1.5	1.6	1.5	.8	.9
12	Bituminous coal and lignite mining	-	1.9	-	1.6	-	1.5	-	.9
COMMUNICATION:									
481	Telephone communication	-	1.7	-	1. ⁴	-	1. ⁵	-	1. ¹
482	Telegraph communication ²	-	(¹)						

¹ Not available.² Data relate to all employees except messengers.^bPreliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

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

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1959.....	4.0	4.3	4.6	4.3	4.1	4.2	4.1	4.1	4.0	3.8	4.2	5.6
1960.....	4.2	4.1	3.7	3.6	3.8	3.7	3.6	3.9	3.8	3.5	3.6	3.6
1961.....	3.9	3.7	4.4	4.2	4.2	4.0	4.0	4.1	3.8	4.3	4.3	4.1
1962.....	4.3	4.2	4.1	4.2	4.2	4.0	4.2	4.0	4.0	3.9	3.8	3.8
1963.....	3.8	3.9	3.8	4.1	3.8	3.8	3.9	3.8	3.9	3.9	3.6	4.0
1964.....	3.8	4.0	4.0	4.0	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.1
1965.....	4.0	4.1	4.3	4.1	4.1	4.3	4.1	4.3	4.5	4.4	4.8	4.9
1966.....	4.9	5.0	5.3	5.0	5.1	5.1	4.7	5.1	5.0	4.9	4.8	4.6
1967.....	4.6	4.3	4.2	4.2	4.6	4.4	4.4	4.4	4.3	4.5	4.5	4.4
1968.....	4.5	4.6	4.3	4.7	4.7	4.4	4.7	4.7	4.6	4.8	4.8	4.9
1969.....	4.9	4.7	4.8	4.9	4.8	4.9	4.7	4.5	4.8	4.7	4.4	4.6
1970.....	4.2	4.3	3.9	4.0	4.2	4.0	4.1	4.1	3.8	3.6	3.7	3.8
1971.....	3.7	3.9	3.8	3.9	3.9	3.6p						
New hires												
1959.....	2.4	2.6	2.9	2.8	2.7	2.7	2.6	2.6	2.6	2.4	2.4	2.7
1960.....	2.6	2.8	2.4	2.2	2.3	2.2	2.1	2.2	2.1	1.9	1.9	1.8
1961.....	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.5	2.5	2.5
1962.....	2.6	2.6	2.6	2.6	2.7	2.5	2.6	2.4	2.4	2.3	2.3	2.1
1963.....	2.3	2.2	2.4	2.5	2.4	2.4	2.4	2.4	2.5	2.4	2.2	2.5
1964.....	2.4	2.5	2.6	2.6	2.4	2.6	2.6	2.6	2.7	2.6	2.7	2.8
1965.....	2.8	3.0	3.3	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.5	3.7
1966.....	3.7	3.8	4.3	3.9	4.0	3.9	3.7	3.8	3.7	3.8	3.8	3.5
1967.....	3.5	3.3	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.4
1968.....	3.4	3.3	3.3	3.5	3.5	3.3	3.5	3.5	3.6	3.6	3.5	3.7
1969.....	3.8	3.7	3.9	3.8	3.7	3.8	3.8	3.5	3.8	3.6	3.4	3.5
1970.....	3.3	3.1	3.0	2.8	2.7	2.7	2.8	2.9	2.7	2.4	2.3	2.3
1971.....	2.3	2.4	2.5	2.5	2.5	2.4p						
Total separations												
1959.....	3.6	3.6	3.6	3.8	3.8	3.9	4.0	4.2	4.2	5.1	4.7	4.1
1960.....	3.5	4.1	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.3	4.5	5.0
1961.....	4.6	4.6	4.2	3.6	3.8	4.0	4.0	3.7	4.1	3.9	4.0	4.1
1962.....	3.9	4.0	4.0	3.9	4.2	4.2	4.2	4.4	3.9	4.1	3.9	
1963.....	4.0	3.8	3.9	3.9	3.9	3.8	3.9	4.1	3.8	3.8	4.0	3.9
1964.....	4.0	4.0	3.9	3.8	3.9	3.9	4.1	3.6	3.9	4.0	3.8	3.9
1965.....	3.8	3.7	3.8	4.1	3.9	4.0	4.0	4.2	4.2	4.3	4.2	4.3
1966.....	4.1	4.3	4.6	4.7	4.7	4.9	4.9	4.7	4.9	4.5	4.7	4.5
1967.....	4.6	4.8	5.1	4.7	4.6	4.7	4.4	4.3	4.6	4.5	4.5	4.1
1968.....	4.6	4.7	4.6	4.5	4.6	4.5	4.6	4.9	4.6	4.7	4.6	4.1
1969.....	4.7	4.8	4.9	4.9	5.0	5.0	4.9	5.0	4.8	5.0	4.8	4.5
1970.....	5.0	5.1	5.0	5.2	5.0	4.8	4.9	4.5	4.4	5.0	4.8	4.4
1971.....	4.4	4.2	4.1	4.3	4.0	4.1p						
Quits												
1959.....	1.4	1.3	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
1960.....	1.5	1.6	1.5	1.5	1.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961.....	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962.....	1.3	1.4	1.4	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.3
1963.....	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
1964.....	1.4	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.5	1.6
1965.....	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	2.0	2.0	2.1	2.2
1966.....	2.2	2.3	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.7
1967.....	2.5	2.4	2.4	2.3	2.3	2.4	2.2	2.3	2.3	2.3	2.4	2.4
1968.....	2.4	2.4	2.4	2.3	2.5	2.4	2.5	2.7	2.5	2.6	2.6	2.5
1969.....	2.7	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.6	2.7	2.6	2.5
1970.....	2.5	2.4	2.2	2.2	2.1	2.2	2.2	2.1	2.0	1.9	1.7	1.9
1971.....	1.6	1.7	1.7	1.7	1.7	1.8p						
Layoffs												
1959.....	1.8	1.7	1.7	1.7	1.6	1.7	1.9	2.0	2.0	2.9	2.5	1.9
1960.....	1.5	1.9	2.3	2.4	2.3	2.5	2.4	2.6	2.5	2.6	2.7	2.8
1961.....	2.7	3.0	2.5	2.1	2.2	2.3	2.2	2.0	2.2	1.9	1.9	2.0
1962.....	1.8	1.9	1.7	1.8	2.0	2.0	2.0	2.4	2.0	2.0	2.0	1.9
1963.....	1.9	1.8	1.9	1.8	1.8	1.7	1.7	2.0	1.9	1.8	1.8	1.7
1964.....	1.8	1.8	1.8	1.6	1.7	1.6	1.7	1.5	1.6	1.7	1.5	1.6
1965.....	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.3	1.4	1.4
1966.....	1.2	1.1	1.1	1.2	1.1	1.3	1.5	1.2	1.1	1.1	1.2	1.3
1967.....	1.3	1.4	1.7	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2
1968.....	1.3	1.3	1.2	1.2	1.2	1.1	1.3	1.4	1.2	1.2	1.1	1.1
1969.....	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.3	1.3	1.4
1970.....	1.5	1.7	1.8	2.0	1.9	1.9	1.6	1.8	1.9	2.2	2.0	1.8
1971.....	1.7	1.6	1.6	1.6	1.5	1.5p						

p = preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**
D-4: Labor turnover rates in manufacturing for selected States and areas

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total	New hires	Total	Quits			Layoffs			
	May 1971 P	Apr. 1971	May 1971 P	Apr. 1971	May 1971 P	Apr. 1971	May 1971 P	Apr. 1971	May 1971 P	Apr. 1971
ALABAMA:										
Birmingham	3.2	3.2	2.5	2.2	2.6	3.1	1.4	1.4	0.5	0.9
Mobile 1	5.9	5.1	1.8	1.7	5.3	9.7	1.6	1.8	.4	7.0
ALASKA	35.5	22.4	22.3	13.3	10.4	7.6	6.4	5.5	3.1	1.6
ARIZONA	4.8	5.2	3.1	3.1	5.1	4.4	2.2	2.0	1.6	1.2
Phoenix	4.6	4.7	3.0	2.8	4.7	4.1	2.2	1.9	1.3	1.3
ARKANSAS	7.7	6.7	6.2	5.2	5.9	5.6	4.0	3.9	.9	.8
Fort Smith	8.0	7.5	6.4	6.6	8.0	7.8	5.6	5.3	1.3	1.1
Little Rock-North Little Rock	7.1	6.6	6.3	5.7	6.5	5.8	4.1	4.0	1.2	.8
Pine Bluff	4.0	5.7	3.3	4.5	4.3	3.6	3.0	2.7	.6	.1
COLORADO	5.3	5.0	3.8	3.9	4.0	4.2	2.1	2.0	1.0	1.4
Denver	5.7	5.3	4.3	4.4	4.2	4.1	2.4	2.2	.9	1.1
CONNECTICUT	2.6	2.2	1.7	1.3	2.8	3.5	1.1	1.1	1.1	1.6
Hartford	1.8	1.5	1.2	.9	3.1	4.1	1.1	.8	1.4	2.6
DELAWARE ¹	3.4	2.5	2.4	1.2	2.4	1.9	1.2	.8	.4	.4
Wilmington ¹	3.4	1.9	2.5	1.0	2.3	2.0	1.1	.8	.4	.4
DISTRICT OF COLUMBIA:										
Washington SMSA	(*)	2.3	(*)	2.2	(*)	2.7	(*)	2.1	(*)	.2
FLORIDA	6.1	5.9	4.9	4.3	7.7	6.5	3.6	3.3	3.0	2.0
Fort Lauderdale-Hollywood	6.6	6.7	5.3	5.8	5.9	7.7	3.2	4.1	1.6	1.3
Jacksonville	7.3	7.1	3.8	4.1	9.0	7.4	2.7	2.6	4.2	3.3
Miami	4.9	5.4	4.3	4.5	5.0	4.3	2.9	2.5	1.5	1.2
Orlando	5.8	6.1	4.1	4.6	6.2	7.4	2.6	3.3	2.1	2.4
Pensacola	2.3	1.6	1.2	1.5	2.4	2.5	1.1	1.9	1.0	.1
Tampa-St. Petersburg	9.0	6.7	7.1	5.3	8.5	7.6	5.8	4.7	1.6	1.9
West Palm Beach	2.9	3.2	2.0	1.7	3.7	3.4	1.9	1.8	.7	.5
GEORGIA	4.7	4.3	3.8	3.4	4.8	4.8	3.5	3.4	.5	.4
Atlanta ²	3.7	4.0	3.0	3.0	4.4	4.3	2.7	2.8	1.0	.5
HAWAII ³	1.7	1.7	1.4	1.3	2.5	1.4	1.2	1.0	.5	.2
IDAHO ⁴	13.7	8.5	8.1	5.7	5.0	8.4	2.6	2.8	1.0	4.2
ILLINOIS:										
Chicago	3.0	2.9	2.3	2.1	3.1	3.4	1.5	1.5	.7	1.0
INDIANA ¹	3.6	3.4	2.2	1.9	2.8	3.0	1.2	1.3	.8	.9
Indianapolis ⁵	2.9	2.4	1.5	1.2	2.8	2.3	1.1	.9	.9	.6
IOWA	3.5	3.3	2.0	1.6	3.4	3.2	1.2	1.3	1.7	1.4
Cedar Rapids	2.4	3.5	.7	1.1	4.4	3.2	1.3	.7	2.7	2.1
Des Moines	3.6	2.9	2.5	1.8	3.5	3.8	1.7	1.8	1.0	1.2
KANSAS	4.7	3.6	3.1	2.5	3.5	4.3	1.7	1.6	1.1	2.0
Topeka	3.3	3.0	1.8	2.3	3.2	5.3	1.5	1.5	1.4	2.9
Wichita	4.5	2.6	2.2	1.5	2.3	3.8	1.1	.8	.7	2.6
KENTUCKY	3.3	3.4	2.1	1.8	2.9	4.1	1.3	1.6	.8	1.3
Louisville	2.2	2.4	1.3	1.1	2.2	2.9	.8	1.0	.8	1.1
LOUISIANA:										
New Orleans	6.5	4.5	4.2	2.7	3.6	3.9	1.9	1.5	.6	1.3
MAINE	6.7	5.5	4.1	3.6	5.9	6.0	3.0	2.7	1.8	2.4
Portland	3.2	3.1	2.0	2.3	3.3	5.9	1.6	2.4	1.3	2.9
MARYLAND	3.0	3.0	1.9	1.9	3.5	3.5	1.5	1.5	1.2	1.3
Baltimore	3.1	3.1	2.2	1.9	3.2	3.1	1.5	1.5	1.0	1.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates		Separation rates							
	Total	New hires	Total	Quits	Layoffs	May 1971 P	Apr. 1971	May 1971 P	Apr. 1971	
	May 1971 P	Apr. 1971	May 1971 P	Apr. 1971		May 1971 P	Apr. 1971	May 1971 P	Apr. 1971	
MASSACHUSETTS.....	3.4	3.3	2.2	2.0	3.5	3.9	1.4	1.5	1.3	1.5
Boston	3.1	3.1	2.0	1.7	3.3	3.4	1.3	1.3	1.1	1.3
MICHIGAN	(*)	2.7	(*)	1.0	(*)	3.1	(*)	.7	(*)	1.5
Detroit	3.3	2.7	1.4	1.0	3.1	3.1	.8	.7	1.3	1.4
MINNESOTA	3.8	3.7	2.2	1.8	3.3	3.4	1.5	1.5	1.2	1.3
Minneapolis-St. Paul	3.4	3.3	1.8	1.4	3.1	3.1	1.3	1.2	1.3	1.3
MISSISSIPPI:										
Jackson	5.6	5.3	4.4	3.8	4.4	4.5	2.8	3.1	.8	.
MISSOURI	3.5	3.2	2.3	2.0	3.6	3.6	1.6	1.6	1.2	1.3
Kansas City	3.2	2.7	2.3	2.1	3.3	4.0	1.5	1.7	1.0	1.5
St. Louis	2.7	2.5	1.5	1.3	2.9	2.8	1.0	1.0	1.2	1.1
MONTANA	5.0	5.4	3.9	4.0	3.5	3.5	2.2	1.8	.4	1.1
NEBRASKA.....	4.5	3.1	3.4	2.4	3.1	3.6	1.9	2.1	.4	.8
NEVADA.....	5.4	4.4	4.5	3.7	4.7	3.8	2.0	2.5	1.4	.6
NEW HAMPSHIRE.....	4.5	4.0	3.4	3.0	3.9	4.5	2.5	2.6	.7	1.1
NEW JERSEY:										
Camden ⁶	4.6	3.7	2.1	2.4	3.6	3.8	1.5	1.3	1.0	1.4
Jersey City	3.6	2.8	2.5	1.6	4.1	2.9	1.4	1.0	1.7	1.3
Newark	3.4	2.7	2.4	1.8	3.0	3.4	1.2	1.2	.9	1.3
Paterson-Clifton-Passaic	3.4	3.0	2.2	1.9	3.5	4.5	1.2	1.3	1.6	2.2
Perth Amboy	3.0	2.3	1.9	1.7	3.3	3.8	1.1	1.2	1.3	1.7
Trenton.....	2.5	2.3	1.7	1.5	2.3	3.3	.9	1.2	.7	1.3
NEW YORK	3.8	3.2	2.2	1.9	3.8	4.1	1.3	1.2	1.8	2.1
Albany-Schenectady-Troy	2.7	2.6	1.7	1.5	3.0	3.2	1.0	1.1	1.1	1.2
Binghamton	2.1	1.8	1.1	.8	2.5	2.0	.8	.8	1.2	.7
Buffalo	2.8	2.2	1.2	1.1	2.6	2.3	.8	.7	1.1	.9
Elmira	3.0	2.1	1.6	1.0	3.2	5.0	.8	1.1	1.7	3.0
Monroe County ⁷	1.7	2.1	1.4	.9	1.9	2.2	.8	.7	.6	1.0
Nassau and Suffolk Counties ⁸	4.0	3.4	2.7	2.9	4.0	4.5	1.7	1.8	1.3	1.9
New York SMSA	4.6	3.8	2.8	2.5	5.0	5.2	1.5	1.4	2.6	2.9
New York City ⁸	4.9	4.1	2.9	2.5	5.4	5.5	1.5	1.4	3.1	3.3
Rochester	1.9	2.3	1.5	1.1	2.4	2.5	.9	.8	1.0	1.1
Syracuse	2.2	2.3	1.2	1.1	2.2	2.2	1.0	1.0	.8	.7
Utica-Rome	3.6	2.5	1.9	1.5	3.2	2.6	1.0	.8	1.2	1.2
Westchester County ⁸	2.3	2.1	1.6	1.4	2.5	3.8	1.1	1.1	.8	1.9
NORTH CAROLINA	4.7	4.5	3.9	3.7	4.9	4.9	3.4	3.3	.5	.5
Charlotte	5.5	4.5	5.2	4.1	4.8	5.8	3.8	3.2	.2	.9
Greensboro-Winston-Salem-High Point	4.3	3.9	3.6	3.2	4.3	4.2	2.9	2.8	.4	.4
NORTH DAKOTA	7.5	7.0	5.5	2.6	4.2	7.7	2.2	2.2	1.4	5.0
Fargo-Moorhead	7.6	4.8	4.1	3.3	3.1	3.8	2.4	1.9	.5	.6
OHIO	2.7	2.6	1.4	1.4	2.5	2.9	.9	.9	1.0	1.2
Akron	1.8	1.5	.7	.8	2.3	2.6	.6	.7	1.1	1.2
Canton	2.5	2.9	1.2	1.2	4.5	4.1	.7	.8	2.6	2.0
Cincinnati	2.8	2.6	1.6	1.4	2.6	2.7	.9	1.0	1.1	1.0
Cleveland	2.4	2.4	1.4	1.2	2.4	2.7	.9	.9	.8	1.0
Columbus	2.7	2.7	1.7	1.6	3.2	3.2	1.3	1.4	1.2	1.1
Dayton	2.1	2.0	.9	.9	2.9	4.2	.8	.7	1.5	2.4
Toledo	3.6	2.5	2.0	1.3	2.7	3.0	1.0	.8	.7	1.3
Youngstown-Warren	2.8	2.9	1.6	1.6	2.0	2.1	.7	.7	.4	.4
OKLAHOMA	4.4	3.9	3.3	3.1	4.5	4.5	2.6	2.6	1.1	.9
Oklahoma City	5.9	4.9	4.4	3.8	5.2	5.7	3.4	3.2	.8	1.3
Tulsa ⁹	3.5	4.3	2.9	3.4	4.4	5.1	2.3	2.6	1.2	1.0
OREGON ¹	5.7	5.4	4.4	3.8	4.1	4.2	2.0	1.9	1.3	1.4
Portland ¹	5.2	4.6	3.5	3.0	4.2	4.4	1.6	1.5	1.9	2.0

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	May 1971	P	Apr. 1971	May 1971	P	Apr. 1971	May 1971	P	Apr. 1971	May 1971
PENNSYLVANIA:										
Allentown-Bethlehem-Easton.....	2.8		2.7	1.7		1.6	3.0		3.0	1.1
Alcoona.....	5.1		4.1	2.9		2.8	3.5		4.9	2.4
Erie.....	4.0		4.6	2.1		1.5	2.9		3.3	1.3
Harrisburg.....	2.7		2.2	2.0		1.7	3.2		2.9	1.3
Johnstown.....	2.3		4.1	1.2		3.0	2.7		2.3	1.2
Lancaster.....	3.2		2.8	2.3		1.9	2.8		3.3	1.9
Philadelphia.....	3.1		3.0	2.0		1.9	3.2		3.2	1.1
Pittsburgh.....	2.6		2.1	1.5		1.1	2.3		2.2	.6
Reading.....	3.2		3.0	1.9		2.1	3.0		4.2	1.5
Scranton.....	3.3		4.0	1.8		1.3	3.5		4.3	1.1
Wilkes-Barre-Hazleton.....	2.7		4.5	1.9		2.1	3.8		3.9	1.4
York.....	3.0		2.9	2.4		2.2	3.0		4.7	1.8
RHODE ISLAND:										
Providence-Pawtucket-Warwick.....	4.8		4.4	3.4		2.9	4.2		5.2	2.1
	4.4		3.9	3.2		2.6	4.0		4.9	2.0
SOUTH CAROLINA:										
Greenville.....		(*)	4.8		(*)	4.0		(*)	5.8
SOUTH DAKOTA:										
Sioux Falls.....	5.0		5.9	3.7		3.3	3.5		4.1	2.1
	6.0		8.4	3.3		2.1	4.8		5.3	1.4
TENNESSEE:										
Memphis.....		4.8	4.6		3.7	3.5		5.0	4.4
TEXAS:										
Dallas.....	4.5		4.3	3.8		3.6	4.4		4.4	2.7
Fort Worth.....		(*)		(*)		(*)	(*)		(*)	(*)
Houston.....	4.2		3.1	3.6		2.6	3.5		3.3	2.1
San Antonio.....		(*)		(*)		(*)	(*)		(*)	(*)
UTAH⁴:										
Salt Lake City ⁴	4.5		4.3	3.3		3.2	4.5		5.6	1.9
	4.3		3.3	3.7		2.9	4.0		4.0	2.0
VERMONT:										
Burlington.....	2.6		2.8	1.7		1.7	2.7		3.1	1.5
	1.6		1.8	.7		.8	2.2		3.4	1.1
Springfield.....	2.9		2.6	.9		1.0	2.2		3.3	1.2
VIRGINIA:										
Richmond.....	4.5		3.8	3.5		2.8	4.2		4.3	2.5
	2.9		2.6	2.5		2.1	3.4		3.9	1.7
WASHINGTON:										
Seattle-Everett ¹⁰		3.1	3.0		2.0	1.8		3.6	7.5
										1.0
WEST VIRGINIA:										
Charleston.....8	.5		.3	1.6		1.3	.3
WISCONSIN:										
Milwaukee.....	3.0		2.8	1.7		1.5	2.6		3.0	1.0
	3.1		2.5	1.8		1.3	2.7		3.2	1.0
WYOMING										
	4.7		6.2	3.4		4.5	4.4		5.6	3.0
										2.9
										.9
										2.0

¹Excludes canning and preserving.

²Excludes agricultural chemicals and miscellaneous manufacturing.

³Excludes canned fruits, vegetables, preserves, jams and jellies.

⁴Excludes canning and preserving, and sugar.

⁵Excludes canning and preserving, and newspapers.

⁶Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁷Subarea of Rochester Standard Metropolitan Statistical Area.

⁸Subarea of New York Standard Metropolitan Statistical Area.

⁹Excludes new-hire rate for transportation equipment.

¹⁰Excludes canning and preserving, printing and publishing.

*Not available.

P = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA
JOB VACANCY

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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	84P							
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
19714	.4	.4	.5	.5	.4P							
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	23P							
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
19711	.1	.1	.2	.1	.1P							

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

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

P=preliminary.

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

Industry division and group	1971							1970						
	June P	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	
		Job vacancy rates ¹												
Manufacturing	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.6	0.6
Durable goods4	.4	.4	.4	.4	.4	.3	.3	.4	.5	.6	.6	.6	.6
Nondurable goods5	.6	.6	.5	.5	.5	.5	.5	.6	.7	.8	.7	.7	.7
Selected durable goods industries:														
Primary metal industries2	.3	.4	.3	.3	.3	.2	.2	.3	.4	.6	.4	.5	
Machinery, except electrical4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.6	.5	.6	
Electrical equipment and supplies5	.5	.5	.4	.4	.4	.4	.3	.4	.6	.7	.6	.6	
Transportation equipment4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.6	.5	.5	
Instruments and related products8	.7	.8	.6	.5	.6	.5	.4	.6	.7	.7	.6	.7	
Selected nondurable goods industries:														
Textile mill products8	.9	.9	.8	.6	.7	.6	.6	.8	1.0	1.0	.9	.8	
Apparel and other textile products	1.2	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.4	1.5	1.4	1.4	
Printing and publishing3	.3	.4	.4	.4	.4	.3	.4	.4	.5	.6	.5	.5	
Chemicals and allied products4	.5	.4	.5	.4	.4	.4	.4	.4	.6	.6	.6	.7	
Long-term job vacancy rates ²														
Manufacturing	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Durable goods1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2
Nondurable goods2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.3	.3	.3
Selected durable goods industries:														
Primary metal industries	(*)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	
Machinery, except electrical1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	
Electrical equipment and supplies1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	
Transportation equipment1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.2	.2	.1	
Instruments and related products2	.1	.1	.2	.1	.1	.1	.1	.1	.1	.2	.2	.2	
Selected nondurable goods industries:														
Textile mill products2	.2	.2	.2	.2	.2	.1	.2	.2	.2	.2	.2	.2	
Apparel and other textile products6	.7	.7	.7	.6	.6	.6	.6	.7	.8	.7	.8	.8	
Printing and publishing1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
Chemicals and allied products1	.2	.2	.2	.2	.1	.2	.2	.2	.2	.2	.3	.3	
Long-term job vacancies as a percent of job vacancies ³														
Manufacturing	27	29	30	32	34	34	38	40	35	32	31	35	36	
Durable goods	22	23	24	27	26	29	36	37	34	30	30	33	33	
Nondurable goods	32	33	37	37	41	38	41	42	37	34	33	38	40	
Selected durable goods industries:														
Primary metal industries	22	30	24	28	23	21	29	34	44	31	27	36	29	
Machinery, except electrical	32	32	28	29	31	35	40	39	40	38	37	42	38	
Electrical equipment and supplies	12	16	18	19	14	26	26	30	27	24	25	22	22	
Transportation equipment	23	22	23	22	24	25	38	40	34	31	32	37	30	
Instruments and related products	24	16	18	32	19	20	25	28	21	20	24	23	34	
Selected nondurable goods industries:														
Textile mill products	20	20	23	19	27	23	24	25	23	22	21	24	29	
Apparel and other textile products	47	49	52	53	55	52	52	56	51	51	50	52	55	
Printing and publishing	23	19	20	21	21	20	26	23	23	22	21	27	32	
Chemicals and allied products	36	35	39	34	43	35	45	51	49	38	31	45	43	

¹ See footnote 1, table E-1.

² See footnote 2, table E-1.

³ Percentages are computed using unrounded rates.

* Less than 0.05.

P=preliminary.

**ESTABLISHMENT DATA
NATIONAL AND AREA JOB VACANCY**
E-3: Percent distribution of job vacancies in manufacturing, by industry

Industry division and group	1971							1970						
	June ^P	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	
Manufacturing.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Durable goods.....	48.1	47.2	49.4	47.8	49.6	46.9	48.5	46.6	49.1	48.8	51.5	51.0	52.1	
Primary metal industries.....	3.2	4.2	4.9	4.8	5.0	4.1	4.1	3.8	3.5	5.0	5.5	4.5	5.3	
Machinery, except electrical.....	8.2	7.2	7.3	7.9	8.0	8.4	8.9	9.1	8.6	8.5	8.1	8.4	10.5	
Electrical equipment and supplies.....	9.8	8.5	8.6	7.7	9.5	8.5	9.0	8.4	9.0	9.3	9.8	10.0	9.1	
Transportation equipment.....	8.2	8.0	7.9	7.6	7.8	7.9	8.6	7.5	7.0	5.9	7.2	6.6	7.0	
Instruments and related products.....	4.0	3.4	3.6	3.0	2.6	3.1	2.6	2.4	3.1	2.5	2.4	2.4	2.6	
Other durable goods industries.....	14.8	15.9	17.2	16.7	16.6	14.9	15.3	15.5	17.9	17.5	18.6	19.3	17.6	
Nondurable goods.....	51.9	52.8	50.6	52.2	50.4	53.1	51.5	53.4	50.9	51.2	48.5	49.0	47.9	
Textile mill products.....	9.6	8.9	8.7	9.0	7.5	7.9	7.7	8.1	8.1	7.1	6.9	6.7		
Apparel and other textile products.....	19.9	20.1	19.7	21.5	21.0	21.0	20.4	20.7	17.2	16.3	15.7	15.0	16.6	
Printing and publishing.....	3.6	3.9	4.3	4.7	4.9	6.0	4.1	5.2	4.6	5.1	4.4	4.4	4.3	
Chemicals and allied products.....	5.0	5.1	4.9	5.7	5.8	4.9	6.1	5.4	4.6	5.2	4.9	5.3	6.0	
Other nondurable goods industries.....	13.9	14.9	13.0	11.6	11.3	13.3	13.2	14.0	15.9	17.0	15.7	17.4	14.3	

^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		
	May ^P	April	May ^P	April		May ^P	April	May ^P	April	
United States ³	0.5	0.5	0.1	0.2	Areas—Continued					
Albany-Schenectady—					Oklahoma City, Okla.....	.8	.6	*		
Troy, N. Y.....	.5	.6	.2	.2	Paterson—Clifton—					
Atlanta, Ga.....	.4	.4	.1	.1	Passaic, N. J.....	.4	.4	.1	.2	
Baltimore, Md.....	.5	.5	.1	.1	Perth Amboy, N. J.....	.6	.7	.3	.2	
Boston, Mass.....	.5	.7	.1	.2	Philadelphia, Pa.....	.5	.6	.1	.2	
Buffalo, N. Y.....	.3	.3	.1	.1	Phoenix, Ariz.....	.7	.8	.1	*	
Cedar Rapids, Iowa.....	.6	.2	*	*	Portland, Oreg.....	.3	.3	.1	.1	
Dallas, Tex.....	.5	.5	.2	.2	Providence—Pawtucket—					
Denver, Colo.....	.5	.3	.1	.1	Warwick, R. I.....	.5	.5	.1	.1	
Des Moines, Iowa.....	.4	.4	.3	.2	Richmond, Va.....	.2	.3	.1	.1	
Detroit, Mich.....	.2	.2	*	*	Salt Lake City, Utah.....	.5	.3	*	*	
Greensboro-Winston-Salem—					St. Louis, Mo.....	.2	.2	.1	.1	
High Point, N. C.....	1.2	1.1	.3	.2	Syracuse, N. Y.....	.3	.3	.1	.1	
Houston, Tex.....	.7	.6	.3	.4	Tampa-St. Petersbur, Fla.....	.8	.6	.3	.2	
Jersey City, N. J.....	.5	.2	.1	.1	Wichita, Kans.....	.2	.2	.1	.1	
Kansas City, Mo.....	.4	.2	.1	.1	Nonmanufacturing ⁴					
Little Rock-North					Wholesale and retail trade:					
Little Rock, Ark.....	.6	.6	.1	.2	Boston, Mass.....	.1	.3	.1	.	
Miami, Fla.....	.6	.4	.1	.1	Finance, insurance and					
Milwaukee, Wis.....	.3	.3	.1	.1	real estate:					
Minneapolis-St. Paul,					Hartford, Conn.....	3.4	3.5	2.4	2.2	
Minn.....	.4	.3	.1	.1	Boston, Mass.....	1.0	1.2	.4	.3	
New Orleans, La.....	.1	.2	.1	.1	Government:					
Newark, N. J.....	.4	.4	.1	.1	Atlanta, Ga.....	1.7	1.2	.8	.7	
New York, N. Y.....	.4	.4	.1	.2	Boston, Mass.....	.6	.8	.4	.6	

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.

* Less than 0.05.

^P=preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

UNEMPLOYMENT INSURANCE DATA

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F-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	July 1971	June 1971	July 1970	Change July 1971 from ¹		July 1971	June 1971	July 1970
				June 1971	July 1970			
TOTAL^{2,3}	1,978.6	1,901.8	1,774.4	76.8	204.3	3.7	3.6	3.3
SEASONALLY ADJUSTED	2,071.2	2,346.3	1,853.0	-275.0	218.3	3.9	4.4	3.5
Alabama	22.8	20.0	22.5	.2	.3	3.2	2.8	3.2
Alaska	3.4	4.4	3.2	-1.0	.2	5.8	7.8	6.1
Arizona	11.0	9.7	12.5	1.3	-1.6	2.8	2.5	3.4
Arkansas	12.6	12.2	12.4	.4	.2	3.2	3.0	3.1
California	273.0	287.2	262.2	-14.2	10.8	5.2	5.4	5.0
Colorado	6.3	6.2	6.0	.2	.3	1.2	1.2	1.2
Connecticut	76.9	68.2	52.2	8.7	24.7	7.6	6.6	5.2
Delaware	4.8	3.8	5.1	.9	-.3	2.8	2.2	3.0
District of Columbia	7.1	6.1	5.7	1.0	1.4	2.0	1.7	1.6
Florida	43.1	35.5	38.0	7.6	5.0	2.8	2.3	2.6
Georgia	20.3	18.2	19.6	2.1	.7	1.8	1.6	1.8
Hawaii	9.2	8.6	5.6	.6	3.7	3.5	3.3	2.3
Idaho	6.4	5.1	5.7	1.3	.7	4.1	3.3	3.8
Illinois	83.4	84.7	78.2	-1.4	5.2	2.6	2.6	2.4
Indiana	29.3	29.7	29.4	-.4	-.1	2.1	2.1	2.1
Iowa	12.7	13.0	12.1	-.3	.6	2.2	2.2	2.1
Kansas	14.3	15.2	15.1	-.9	-.8	3.3	3.5	3.4
Kentucky	22.4	19.3	16.5	3.1	5.9	3.6	3.1	2.7
Louisiana	27.1	27.8	27.6	-.7	2.5	3.7	3.8	3.8
Maine	15.2	11.7	11.2	3.5	3.9	6.8	5.2	5.0
Maryland	28.5	26.1	20.2	2.4	8.3	3.0	2.7	2.2
Massachusetts	96.7	88.8	80.6	7.9	16.1	5.5	5.0	4.6
Michigan	109.3	100.8	146.9	8.4	-37.6	4.6	4.2	6.0
Minnesota	22.9	25.0	19.9	-2.1	3.0	2.3	2.5	2.0
Mississippi	8.6	8.4	8.9	.2	-.3	2.2	2.2	2.3
Missouri	39.2	37.6	32.8	1.6	6.4	3.3	3.1	2.7
Montana	3.6	3.7	3.2	-.1	.4	2.8	2.9	2.5
Nebraska	5.2	4.8	4.3	.4	.9	1.7	1.5	1.4
Nevada	6.6	6.8	5.6	-.2	1.0	4.1	4.2	3.6
New Hampshire	9.5	5.9	3.8	3.6	5.7	4.9	3.0	1.9
New Jersey	108.7	105.4	85.2	3.3	23.5	5.3	5.1	4.1
New Mexico	7.2	6.8	7.0	.4	.2	3.9	3.6	3.8
New York	247.0	241.5	199.9	5.5	47.2	4.4	4.3	3.5
North Carolina	30.4	30.7	30.8	-.3	-.3	2.3	2.3	2.3
North Dakota	1.7	1.8	1.1	-.1	.7	2.0	2.1	1.3
Ohio	82.2	73.5	64.5	8.6	17.6	2.8	2.5	2.2
Oklahoma	16.7	17.9	14.2	-1.2	2.6	3.4	3.6	2.9
Oregon	24.4	24.0	24.2	.4	.2	4.5	4.4	4.4
Pennsylvania	127.7	122.4	99.1	5.3	28.6	3.8	3.6	2.9
Puerto Rico . ²	48.5	36.7	40.7	11.8	7.8	11.0	9.1	8.3
Rhode Island	17.8	15.0	14.8	2.8	3.0	6.4	5.4	5.2
South Carolina	17.6	17.9	18.7	-.4	-1.2	2.8	2.9	3.1
South Dakota	1.5	1.2	1.2	.2	.3	1.6	1.3	1.3
Tennessee	28.0	27.3	30.8	.7	+2.8	2.9	2.8	3.2
Texas	42.1	42.1	36.5	-.	5.6	1.6	1.6	1.4
Utah	6.9	6.9	6.2	.1	.7	3.0	3.0	2.8
Vermont	4.6	4.9	3.1	-.3	1.5	4.5	4.8	3.0
Virginia	13.0	12.2	10.8	.8	2.2	1.3	1.2	1.1
Washington	75.4	73.5	76.2	1.9	-.8	9.7	9.2	9.2
West Virginia	12.3	11.2	10.9	1.0	1.4	3.4	3.1	3.1
Wisconsin	32.9	33.3	30.8	-.5	2.0	2.9	2.9	2.7
Wyoming8	.9	.7	-.1	.1	1.1	1.2	1.0

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

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

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

F-2: Insured unemployment¹ in 150 major labor areas²

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

State and area	July 1971	July 1970	State and area	July 1971	July 1970	State and area	July 1971	July 1970	State and area	July 1971	July 1970
ALABAMA Birmingham.....	5.0	4.0	INDIANA Evansville	1.1	1.3	NEW HAMPSHIRE Manchester.....	2.7	.8	Pennsylvania--continued York	3.2	2.
Mobile	2.8	2.4	Ft. Wayne	1.2	1.2						
ARIZONA Phoenix	6.8	9.4	Gary-Hammond	2.9	2.7	NEW JERSEY South Bend	3.1	2.2	PUERTO RICO Jersey City	15.4	12.8
			Indianapolis	5.9	6.2	Newark	29.0	22.2	Mayaguez.....	3.1	2.5
			Terre Haute	1.0	.9	New Brunswick.....	12.5	8.8	Ponce	2.9	2.5
ARKANSAS Little Rock.....	1.5	1.9	IOWA Cedar Rapids....	1.1	1.1	Paterson	24.5	19.5	San Juan.....	7.8	6.3
			Des Moines	1.4	1.1	Trenton	3.4	2.4			
CALIFORNIA Anaheim-S. Ana-Garden Grove..	18.5	19.0	KANSAS Wichita	6.0	7.8				RHODE ISLAND Providence.....	20.1	17.
Fresno	5.0	4.6	KENTUCKY Louisville.....	10.1	3.8	NEW MEXICO Albuquerque	2.9	3.0	SOUTH CAROLINA Charleston	2.1	1.7
Los Angeles.....	123.0	118.3	LOUISIANA Baton Rouge.....	2.1	2.0	New York	6.5	4.3	Greenville	1.8	1.6
Sacramento	10.0	9.6	New Orleans	8.4	8.3	Albany	3.2	2.3			
San Bernardino..	14.4	13.0	Shreveport	2.4	2.0	Binghamton	25.5	17.5			
San Diego.....	16.6	16.5				Buffalo	176.8	144.4			
San Francisco ..	47.8	41.5				New York	9.4	9.9			
San Jose	13.4	14.4				Rochester	5.6	5.3			
Stockton	5.0	5.3				Syracuse	5.6	3.5			
COLORADO Denver	4.2	3.9	MAINE Portland	1.4	1.0	Utica			TENNESSEE Chattanooga	1.9	2.9
			MARYLAND Baltimore	20.1	14.1				Knoxville	2.8	3.0
CONNECTICUT Bridgeport	12.1	7.8	MASSACHUSETTS Boston	41.1	34.4				Memphis	4.7	4.1
Hartford	15.1	7.4	Brockton	3.5	2.8	OHIO Fall River	5.0	4.1	Nashville	4.0	3.7
New Britain	4.5	3.0	Lawrence	7.4	6.5	Akron	3.5	2.6			
New Haven	8.8	5.6	Lowell	5.0	3.8	Canton	15.3	6.1	TEXAS Austin6	.7
Stamford	2.5	2.0	New Bedford	6.1	5.4	Cincinnati	17.1	15.2	Beaumont	3.0	2.3
Waterbury	8.0	7.7	Springfield	10.5	7.8	Cleveland	4.1	3.9	Corpus Christi ..	.9	1.0
DELAWARE Wilmington.....	4.9	5.0	Worcester	5.3	3.7	Columbus	7.7	3.7	Dallas	6.7	6.2
			MICHIGAN Battle Creek	1.9	1.9	Dayton	3.4	1.2	El Paso	1.8	1.6
DIST. OF COL. Washington.....	12.1	8.2	Detroit	58.3	74.3	Hamilton	2.9	.7	Ft. Worth	6.2	3.0
			Flint	4.4	22.4	Lorain7	.7	Houston	5.9	4.1
FLORIDA Jacksonville....	.9	.6	Grand Rapids	6.8	7.4	Youngstown	3.3	4.1	San Antonio	3.1	2.4
Miami.....	12.6	10.5	Kalamazoo	2.4	2.1				UTAH Salt Lake City ..	3.5	3.
Tampa.....	5.7	5.1	Lansing	2.6	3.9						
GEORGIA Atlanta.....	6.6	4.7	Muskegon	2.5	2.8	VIRGINIA Hampton					
Augusta	2.0	1.6	Saginaw	2.0	4.6	Norfolk					
Columbus	1.0	1.3	MINNESOTA Duluth	1.3	1.2	Richmond					
Macon8	1.7	Minneapolis	13.9	11.1	Roanoke					
Savannah8	.9	MISSISSIPPI Jackson9	1.0						
HAWAII Honolulu	8.5	4.3	MISSOURI Kansas City....	9.7	9.7	WASHINGTON Seattle	42.6	41.6			
			St. Louis	24.3	19.5	Spokane	4.5	4.1			
ILLINOIS Chicago	53.7	50.7	NEBRASKA Omaha.....	3.2	1.9	Tacoma	7.2	7.6			
Davenport	3.8	2.6			PENNSYLVANIA Allentown	6.6	5.5				
Peoria	1.9	1.7			Altoona	1.5	1.3	WEST VIRGINIA Charleston	1.3	1.2	
Rockford	2.7	2.9			Erie	2.4	1.7	Huntington	3.2	1.9	
					Harrisburg	2.6	1.6	Wheeling	1.3	1.4	
					Johnstown	3.0	2.9				
					Lancaster	2.3	1.0				
					Philadelphia ..	59.9	41.7	WISCONSIN Kenosha	1.3	1.4	
					Pittsburgh	23.1	16.9	Madison	1.5	1.1	
					Reading	3.0	3.1	Milwaukee	12.2	11.1	
					Scranton	5.2	5.1	Racine	1.7	1.9	
					Wilkes-Barre ..	9.1	7.3				

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

Technical Note

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

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

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

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

Relation between the household and establishment series

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

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

Employment

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

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

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

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

Hours of Work

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

Comparability of the household interview data with other series

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

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

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

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

Comparability of the payroll employment data with other series

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

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

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

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

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

Labor Force Data

COLLECTION AND COVERAGE

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

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

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

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

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

CONCEPTS

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

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

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

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

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

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

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

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

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

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

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

ESTIMATING METHODS

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

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

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

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

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

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

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

Rounding of Estimates

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

Reliability of the Estimates

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

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

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

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

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

Table A. Average standard error of major employment status categories

(In thousands)

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

Table B. Standard error of level of monthly estimates

(In thousands)

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

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

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

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

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

(In thousands)

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

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

Table D. Standard error of percentage

Base of percentages (thousands)	Estimated percentage								
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50
150	1.1	1.5	2.4	3.3	4.0	4.5	4.9	5.5	6.1
2509	1.3	2.0	2.8	3.3	3.7	4.1	4.6	5.1
5006	.8	1.3	1.7	2.1	2.4	2.6	2.9	3.2
1,0004	.6	.9	1.2	1.5	1.7	1.8	2.1	2.3
2,0003	.4	.6	.9	1.0	1.2	1.3	1.5	1.6
3,0002	.3	.5	.7	.9	1.0	1.1	1.2	1.3
5,0002	.3	.4	.6	.7	.7	.8	.9	1.0
10,0001	.2	.3	.4	.5	.5	.6	.7	.7
25,0001	.1	.2	.3	.3	.3	.4	.4	.4
50,0001	.1	.1	.2	.2	.2	.3	.3	.3
75,0001	.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 nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

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

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

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

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

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

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

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

Gross Average Hourly and Weekly Earnings

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

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

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

Average Weekly Hours

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

Average Overtime Hours

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

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

Hours and Earnings for Total Private Nonagricultural Industries

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

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

Railroad Hours and Earnings

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

Spendable Average Weekly Earnings

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

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power since the base period (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 employment, and the payroll aggregates are the product of gross average weekly earnings and production-worker employment.

Labor Turnover

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

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

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

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

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

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

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

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

Relationship of Labor Turnover to Employment Series

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

Job Vacancies

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

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

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

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

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

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

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

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

ESTIMATING METHODS

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

The "Link Relative" Technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described later in table 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 1969 levels. Normally, benchmark adjustments are made annually.

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

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

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

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

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

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

THE SAMPLE

Design

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

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

Under this type of design, large establishments fall into the sample with certainty. The size of the samples for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the larger establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the smaller ones. Many industries in the trade and 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 specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

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

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

Reliability of the Employment Estimates

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

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

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

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

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

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

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

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

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 6 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
Mining8	.5	.5
Construction.	1.0	.2	.3
Manufacturing.3	.1	.1
Durable goods .	.4	.1	.1
Nondurable goods3	.1	..
Transportation and public utilities3	.7	.4
Trade4	.1	.2
Wholesale	1.1	.2	.3
Retail3	.2	.2
Finance, insurance, and real estate5	.2	.4
Services8	.4	.8
Government ³	-	-	-

¹ Relative errors relate to March 1969 data.

² The average percent revision in employment for the 6 most recent benchmarks (1964-69).

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 changes are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates.

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

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

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

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	2,000	0.9	1.5
100,000	2,800	.7	1.1
200,000	3,800	.5	.9
500,000	7,500	.4	.8
1,000,000	11,200	.3	.5
2,000,000	17,500	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

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

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	600
100,000	900	800
200,000	1,800	1,700
500,000	3,000	2,900
1,000,000	5,000	5,000
2,000,000	9,700	9,400
10,000,000	31,400	30,600
Total nonagricultural employment	88,000	80,000

Reliability of Job Vacancy Estimates

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

Measures of reliability for the job vacancy estimates are given by the relative errors in table 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.

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.

STATISTICS FOR STATES AND AREAS

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

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

Unemployment Insurance Data

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

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

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

Seasonal Adjustments

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an

approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but, in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

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

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

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

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

For each of the three major labor force components—agricultural and nonagricultural employment and unemployment—data for four age-sex groups (male and female workers under age 20 and age 20 and over) are separately adjusted for seasonal variation and are then added to give seasonally adjusted total figures. In order to produce seasonally adjusted total employment and civilian labor force data, the appropriate series are 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 eight years of data, although there are special adjustment programs for as few as three years. Since collection of job vacancy information was begun in January 1969, the data necessary to seasonally adjust this series are not yet available. All job vacancy information published in *Employment and Earnings* is, therefore, on an unadjusted basis.

ATTENTION

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

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

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.