

# EMPLOYMENT AND EARNINGS

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### CALENDAR OF FEATURES

In addition to the monthly data appearing regularly in Employment and Earnings, special features appear in most of the issues, as shown below:

	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.	Nov.
<b>Household data</b>										
Annual averages	x									
Revised seasonally adjusted series and current seasonal factors		x								
<b>Quarterly averages:</b>										
Seasonally adjusted data										
Persons not in labor force	x			x		x			x	
Vietnam Era war veterans										
<b>Establishment data</b>										
National annual averages:										
Industry divisions (preliminary)	x									
Industry detail (final)			x							
Women employment (National)		x			x		x			x
National data adjusted to new benchmarks								(1)		
Revised seasonally adjusted series and current seasonal factors								(1)		
State and area annual averages					x					
Area definitions					x					

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

## Employment and Unemployment Developments, August 1972

Employment rose substantially in August while unemployment was basically unchanged. The unemployment rate was 5.6 percent in August, compared with 5.5 percent in both June and July and about 6 percent a year ago.

Total employment expanded 290,000 to 82.0 million between July and August, continuing the strong growth evident since mid-1971; over the past year, total employment has increased by 2.6 million. Nonfarm payroll employment also rose substantially in August.

### Unemployment

The number of unemployed persons totaled 4.9 million in August, down 300,000 from July. This decline was about in line with the expected seasonal change; after adjustment for seasonality, the level of unemployment was essentially unchanged from July.

The unemployment rate was 5.6 percent in August, about the same as in June and July (5.5 percent) but half a percentage point below a year ago. The unemployment rates for most of the major age-sex-color groups also showed little or no change for the second consecutive month. The rate for adult men (3.9 percent), adult women (5.5 percent), whites (5.1 percent), and Negroes (9.7 percent) have been essentially unchanged since June. The unemployment rates for married men (2.6 percent) and household heads (3.3 percent) held steady over the month but were lower than in June and a year ago. In contrast, the jobless rate for teenagers rose from 14.8 percent in July to 16.9 percent in August; most of the increase was among 16 and 17 year-olds. Compared with a year ago, the jobless rate was down for all of the above groups with the exception of Negroes and teenagers, whose rates were about unchanged.

The unemployment rates for workers in most occupational categories were also unchanged over the month; however, the jobless rate for nonfarm laborers, which was at a one-year low in June and July, rose to the May level of 10.9 percent. Among the major industry groups, the unemployment rate for workers in the durable goods manufacturing industries dropped from 5.7 percent in July to 5.0 percent in August, its lowest point since May

1970. Jobless rates for workers in the other industries were about unchanged from July.

The rate for workers covered by State unemployment insurance programs moved down from 3.8 percent in July (as revised) to 3.4 percent in August, reaching its lowest level since the beginning of the year.

The average (mean) duration of unemployment was 12.1 weeks in August, little different from the July level of 11.8 weeks but well below the unusually high June level of 13.5 weeks. The average duration was nearly half a week longer than last August.

### Civilian labor force and total employment

After exhibiting little growth from March to July, the civilian labor force rose 390,000, seasonally adjusted, in August to 86.9 million. The increase was about equally distributed among adult women and teenagers. The total number employed rose 290,000 to 82.0 million (seasonally adjusted) between July and August, following no gain between June and July. Virtually the entire increase in employment occurred among adult women working part time.

Compared with August a year ago, total employment was up 2.6 million (after eliminating the effects of the 1970 Census population control adjustment introduced in January 1972). Adult men have accounted for 1.1 million of this increase, adult women for 1.0 million, and teenagers for 500,000. The number of whites with jobs increased by 2.4 million (3.3 percent). Over the same period, employment among Negroes rose 200,000 (2.3 percent). About 85 percent of the total over-the-year gain was among full-time workers.

### Vietnam Era veterans

The job situation for Vietnam Era veterans 20 to 29 years old was little changed in August, with both the employment and unemployment levels remaining stable after seasonal adjustment. The August unemployment rate was 7.7 percent, seasonally adjusted, compared with 7.3 percent in July, but down from 9.3 percent a year ago.

Over the year, the veteran labor force rose by 440,000, in line with the net increase in their population. All of the gain was in the number employed. Since early this year, growth in the 20-29 year-old veteran population has slowed considerably, reflecting a decline in the number of young men being discharged from military service and an increase in the number of veterans reaching age 30.

The seasonally adjusted unemployment rate for non-veterans, at 6.2 percent in August, was also not materially different from July but, as with the rate for veterans, was below its year-ago rate (of 8.0 percent).

### Industry payroll employment

Nonagricultural payroll employment rose substantially in August, after showing little change in the previous 2 months. At 72.9 million, seasonally adjusted, the number of workers on nonfarm payrolls was up 280,000 from July.

The July-to-August gain in payroll jobs was about equally divided between the goods-producing and the service-producing industries. Compared with August a year ago, nonfarm payroll employment was up 2.3 million, with the goods- and the service-producing industries accounting for 500,000 and 1.8 million of the gain, respectively.

Among the goods-producing industries, the August employment gain was partly a reflection of reduced strike activity and of a resumption of more normal operations in the areas affected by tropical storm Agnes. Within the goods sector, the number of manufacturing jobs increased by 85,000, seasonally adjusted. The increase returned manufacturing employment to the June level of 19.0 million and was about evenly divided between the durable-goods and the nondurable-goods sectors. The largest gains occurred in the machinery, apparel, and leather industries.

The number of workers on contract construction payrolls rose by 50,000, seasonally adjusted, after posting a decline of 70,000 in July. The August gain was attributable to the return to payrolls of workers who had been on strike in the previous month.

In the service-producing sector, employment continued to rise, primarily reflecting sizeable employment gains in trade, services, and State and local government.

### Hours of work

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls remained at 37.2 hours in August, on a seasonally adjusted

basis. Average hours, which have held fairly steady since late 1971, were 0.3 hour above last August. There were also essentially no changes in weekly hours in the major industry divisions. In manufacturing, the workweek stood at 40.7 hours, little different from the July level but 0.9 hour above August 1971. Average overtime in manufacturing was 3.4 hours in August, the same level as in the previous 3 months.

### Hourly and weekly earnings

Average hourly earnings of rank-and-file workers on private nonagricultural payrolls increased 2 cents to \$3.64 in August. On a seasonally adjusted basis, earnings were up by 3 cents. Over the year, earnings have risen 19 cents or 5.5 percent.

The 2-cent increase in hourly earnings, coupled with a small rise in weekly hours (unadjusted), raised average weekly earnings to \$137.23. This represented an increase of \$1.12 from July, both before and after seasonal adjustment.

Average weekly earnings have risen \$8.20 or 6.4 percent since last August. During the latest 12-month period for which the Consumer Price Index is available—July 1971 to July 1972—consumer prices rose 3.0 percent.

### Hourly earnings index

The Bureau's Hourly Earnings Index, seasonally adjusted, was 138.2 (1967=100) in August, 0.4 percent higher than in July, according to preliminary figures. The index was 5.6 percent above August a year ago, the start of the stabilization program. This compares with an increase of 6.9 percent from August 1970 to August 1971. All industries posted over-the-year increases, ranging from 3.5 percent in services to 10.6 percent in transportation and public utilities. During the first year of the stabilization period, there was a marked decline in the rate of increase in the Index in the construction, service, and finance, insurance and real estate industries. Only in transportation and public utilities was there an acceleration in the rate of increase compared with the prior 12-month period.

Despite the lower rate of increase in the Index in current dollars, the increases in wages substantially outweighed the rise in consumer prices. During the 12-month period ending in July, the Hourly Earnings Index in dollars of constant purchasing power rose 2.8 percent, compared with a 2.5 percent increase for the year ending July 1971.

# Introduction of Seasonally Adjusted Job Vacancy Data for Manufacturing

\* by Robert P. Pepson

Beginning with this issue, the seasonally adjusted number and rate of job vacancies for manufacturing will be published regularly. The series published include both total and long-term job vacancies.<sup>1</sup> (See table E-2 on page 112). The more than three years of experience in the collection of job vacancy data indicate that both the total and long-term vacancy series exhibit a substantial amount of seasonality.

The Bureau of Labor Statistics publishes seasonally adjusted as well as unadjusted figures, because data are used for different purposes by different groups. For analyzing general labor trends in the economy, seasonally adjusted data are generally preferred since they eliminate the effect of changes that normally occur at the same time and in about the same magnitude every year.

The seasonally adjusted series on the number of total and long-term job vacancies are computed by applying factors directly to the corresponding unadjusted series.

Seasonally adjusted job vacancy rates are computed by dividing the seasonally adjusted number of job vacancies by the sum of seasonally adjusted employment and job vacancies and multiplying the quotient by 100. Seasonally adjusted long-term job vacancy rates are computed by dividing the seasonally adjusted long-term job vacancies by the sum of seasonally adjusted employment and total job vacancies and multiplying the quotient by 100. All seasonal computations are based on unrounded data.

The accompanying table presents the seasonal factors for the current adjustment of the job vacancy series. These factors will be revised at the time the industry employment statistics are adjusted to March 1971 benchmarks.

\* Of the division of Industry Employment Statistics, Office of Current Employment Analysis.

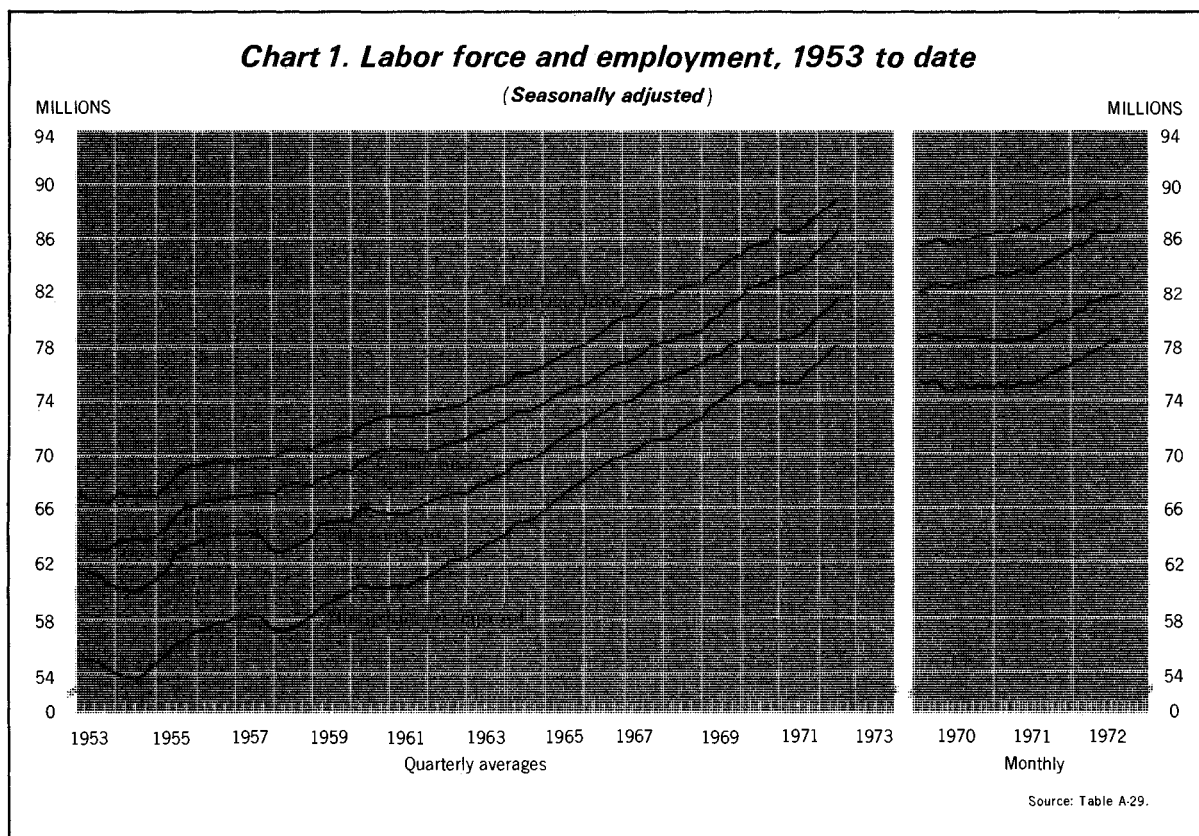
<sup>1</sup> For definitions and a detailed discussion of job vacancies see Technical Note, page 129.

**Seasonal adjustment factors for the number of job vacancies in manufacturing**

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total .....	92.3	92.2	98.7	105.1	107.6	95.0	102.6	121.9	114.0	98.7	87.0	84.9
Long-term .....	92.9	94.9	98.8	102.3	102.2	92.6	97.0	107.9	108.1	104.0	99.8	99.5

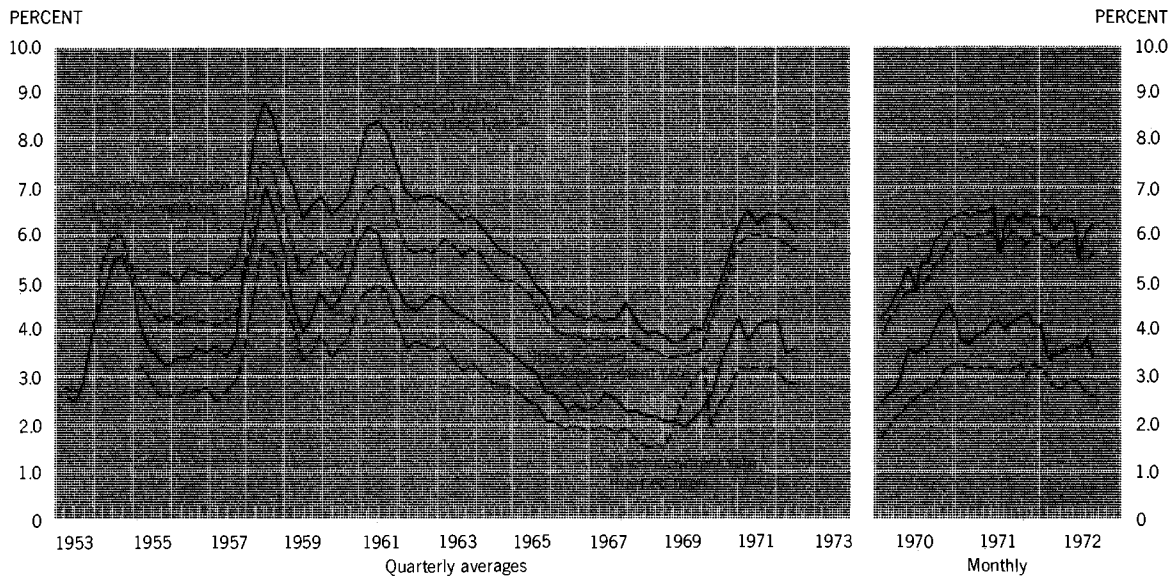
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**Chart 2. Major unemployment indicators  
1953 to date**

*(Seasonally adjusted)*

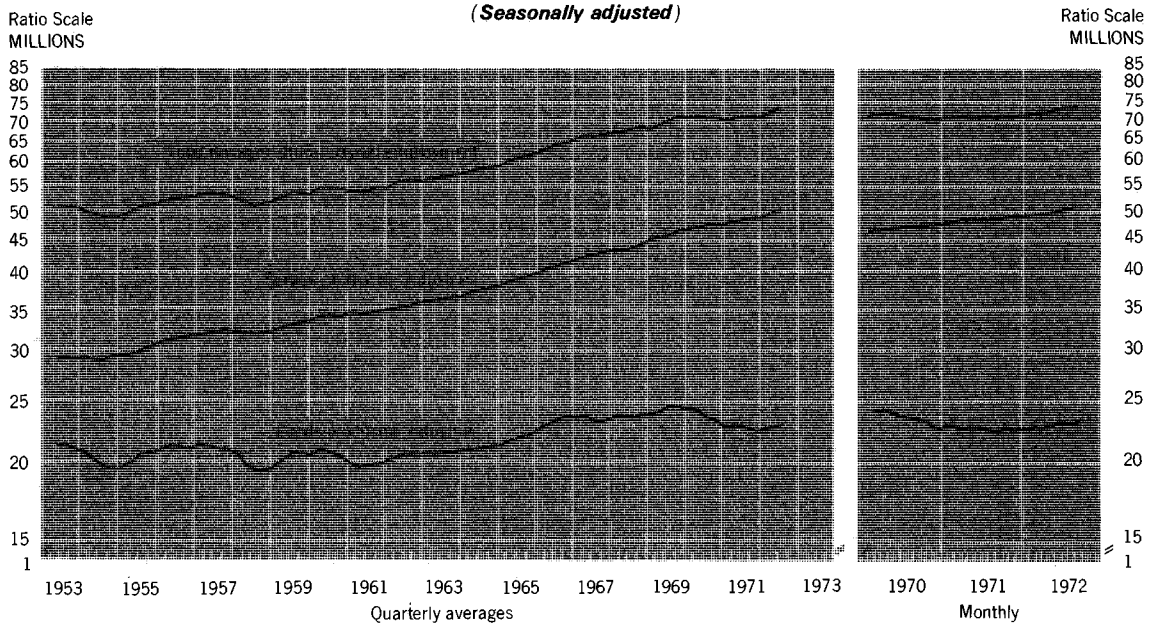


<sup>1/</sup> Series revised beginning 1963 to reflect whether unemployed persons sought full-or part-time jobs.

Source: Table A-33.

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

*(Seasonally adjusted)*

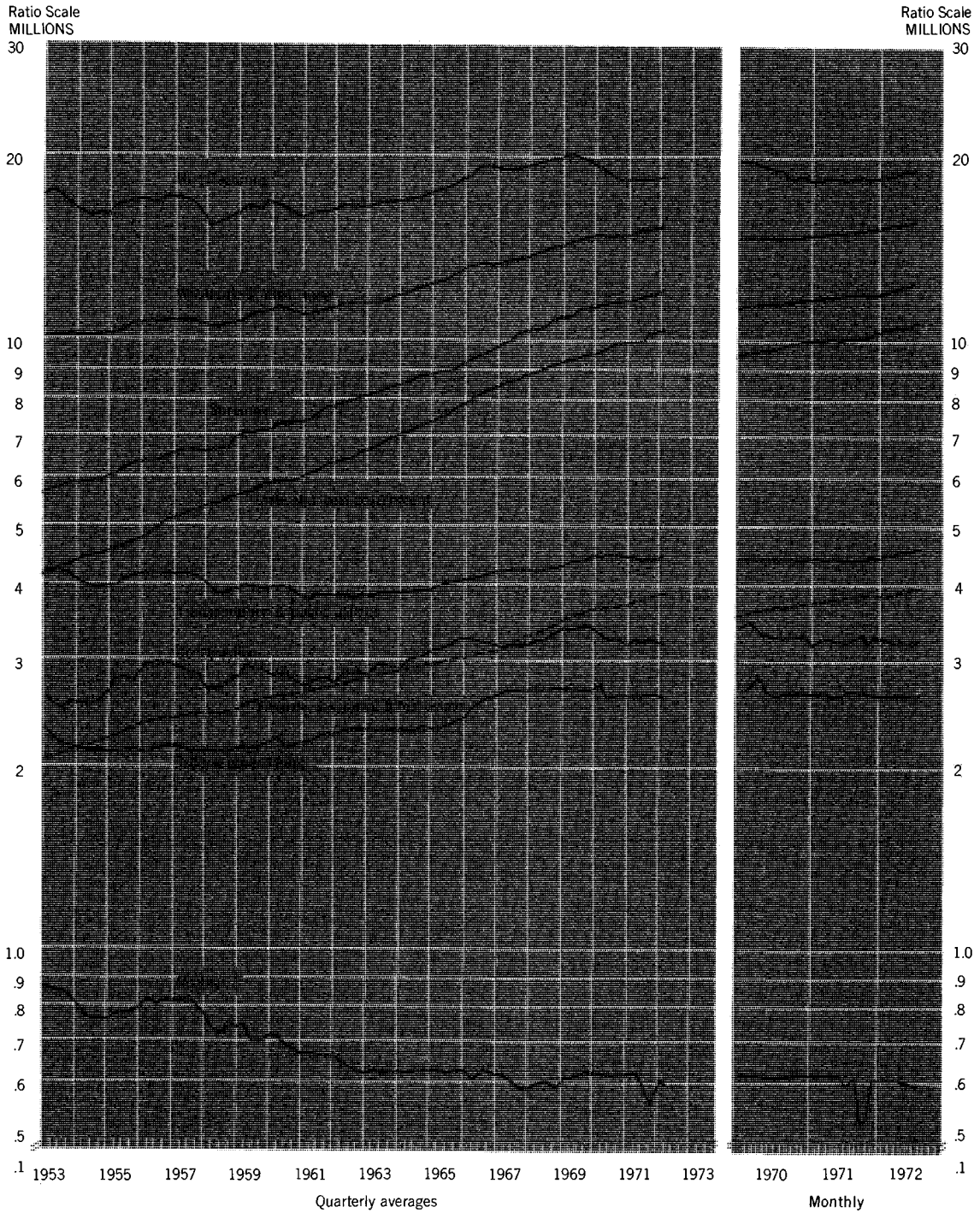


Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

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

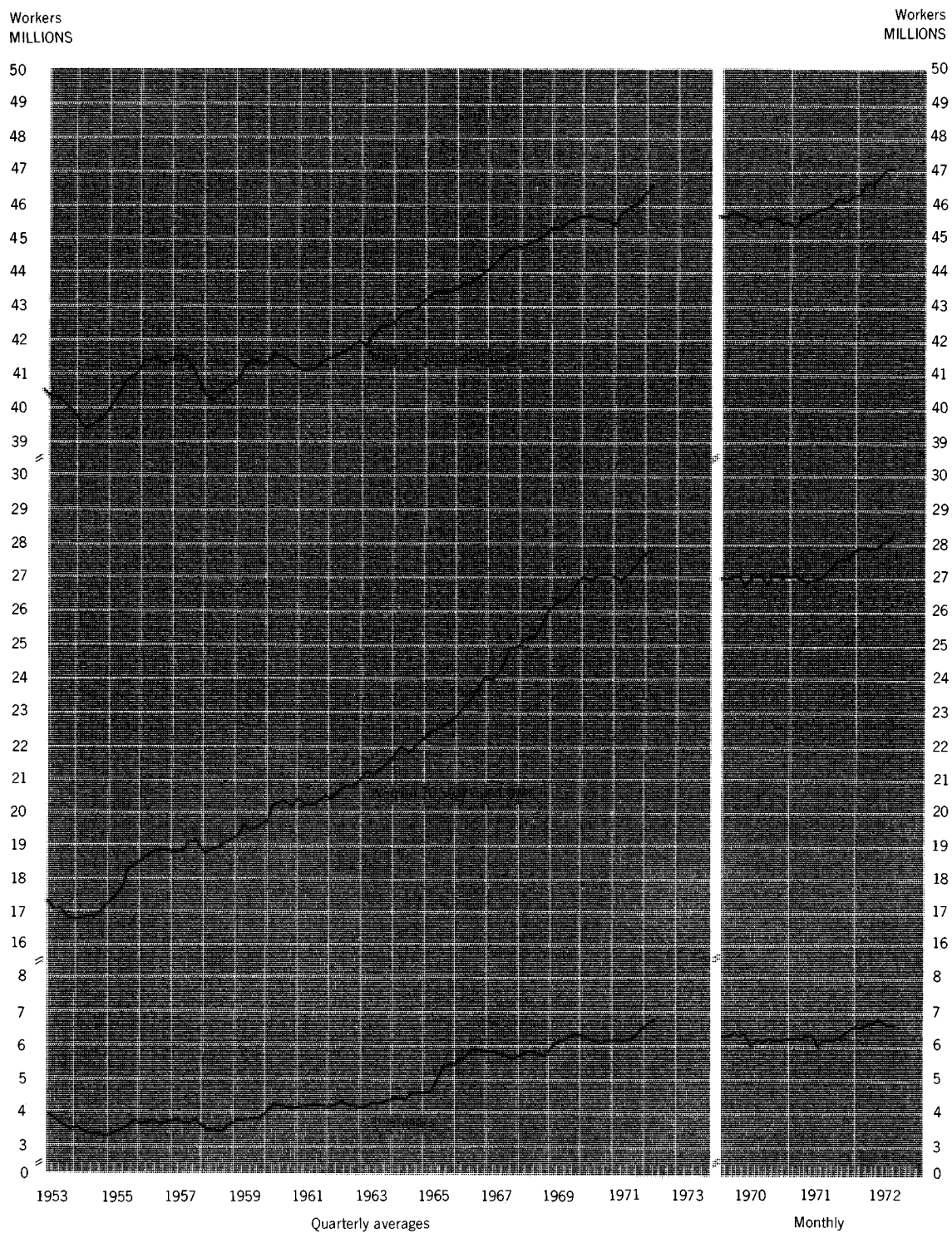
(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

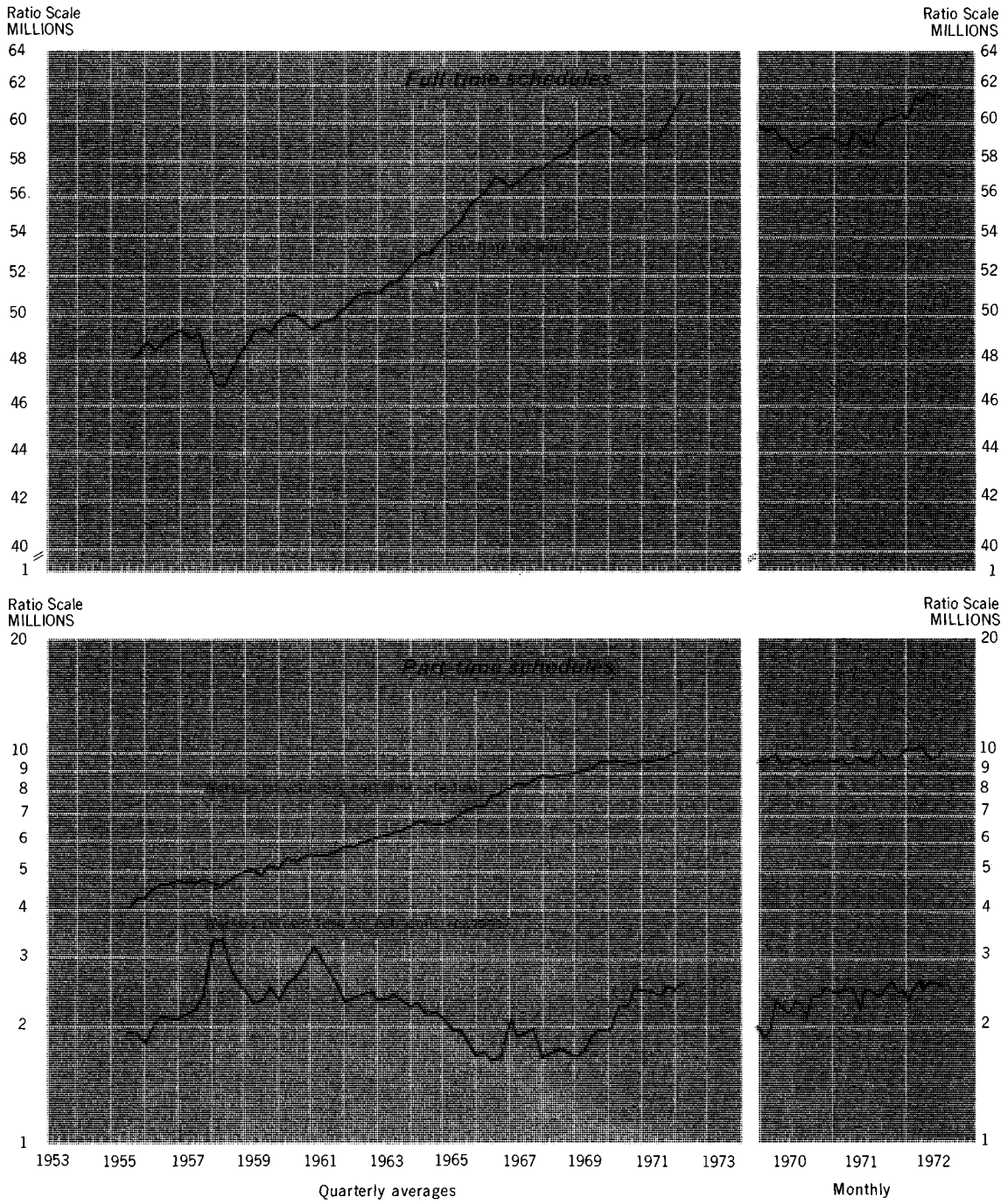
**Chart 5. Total employment by age and sex**  
**1953 to date**  
*(Seasonally adjusted)*



Source: Table A-29.

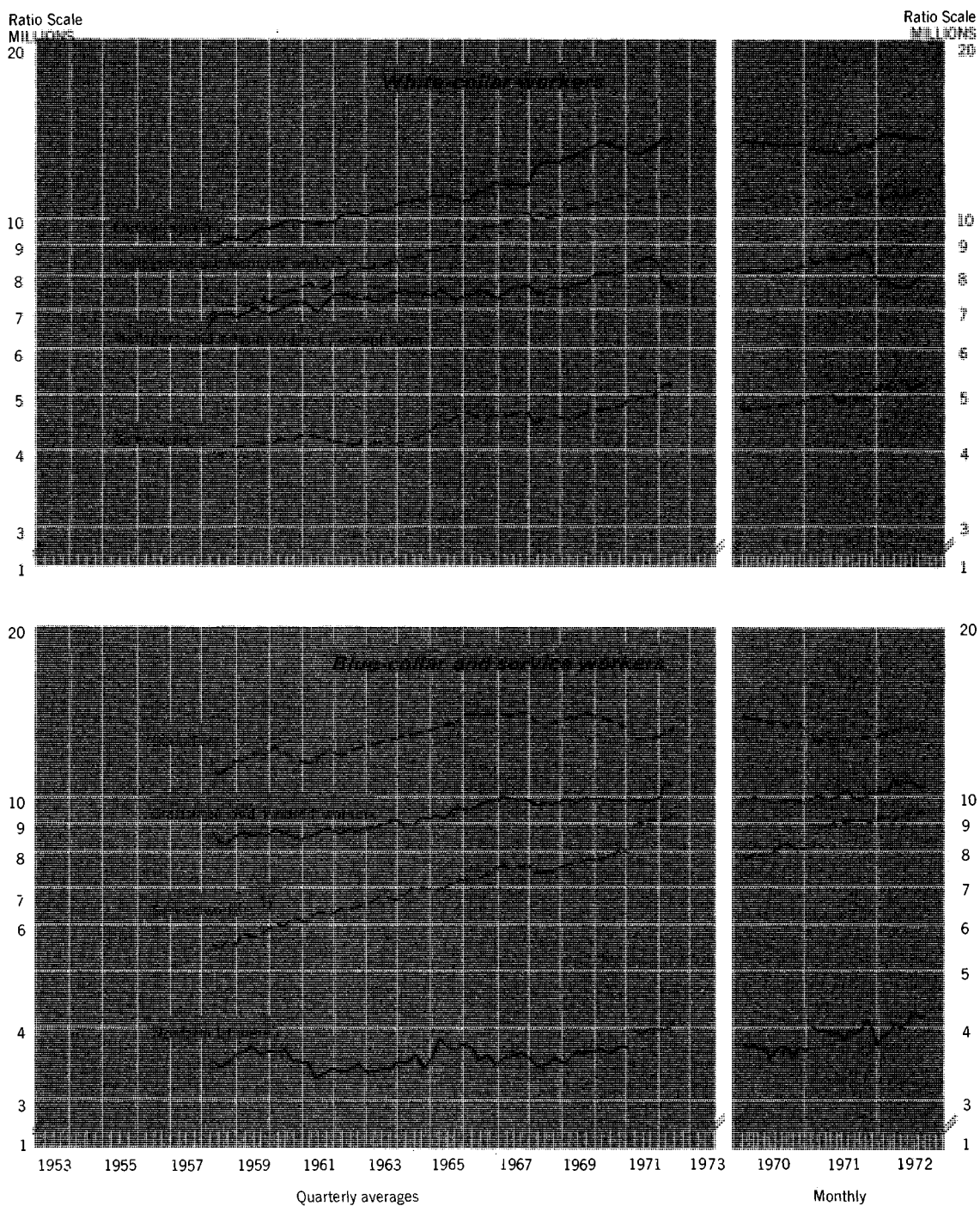


**Chart 6. Persons at work full and part time  
in nonagricultural industries  
1955 to date**  
(Seasonally adjusted)



Source: Table A-29 and unpublished data.

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



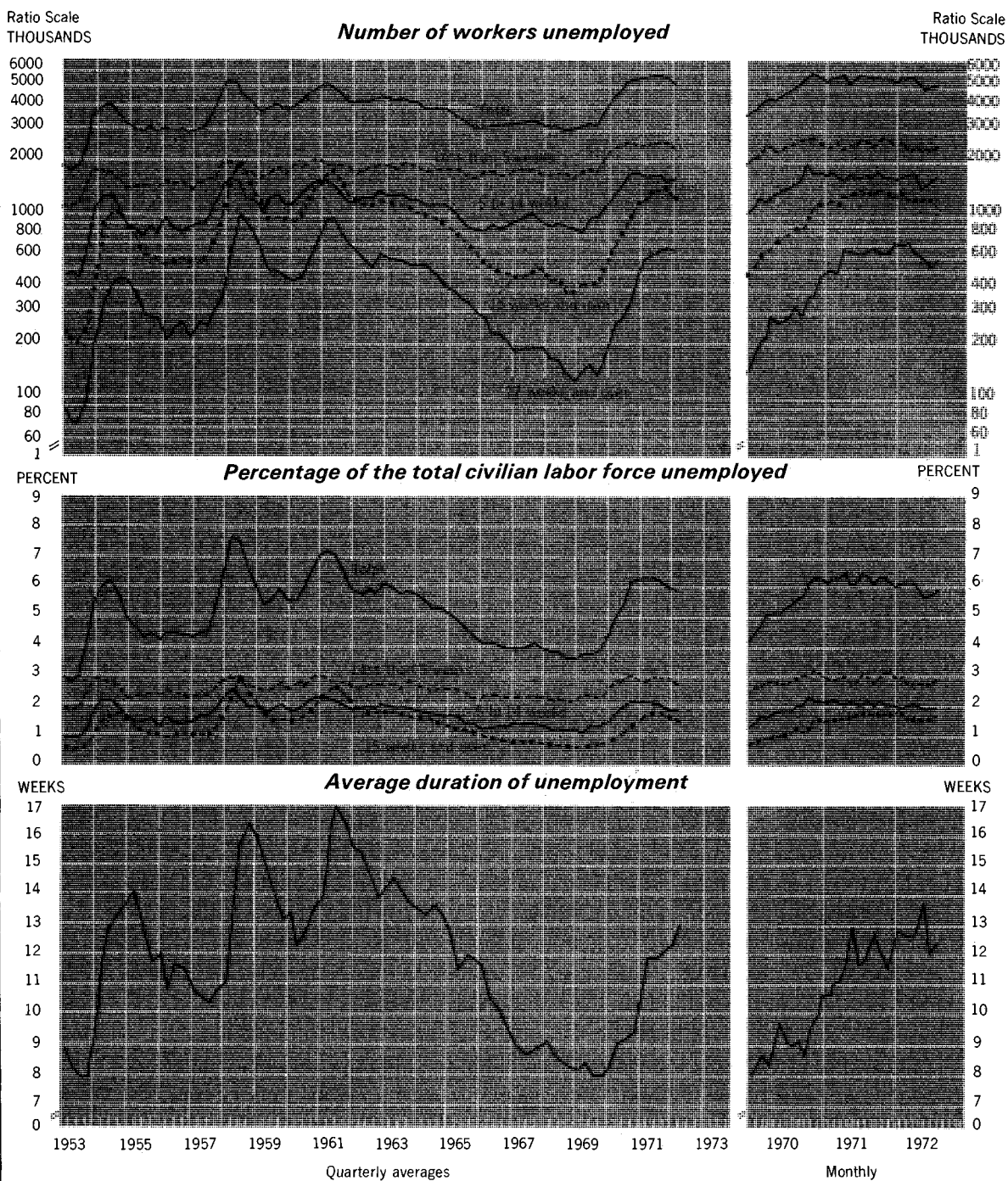
<sup>1</sup> Excludes private household workers.

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

Source: Table A-37.

## Chart 8. Duration of unemployment 1953 to date

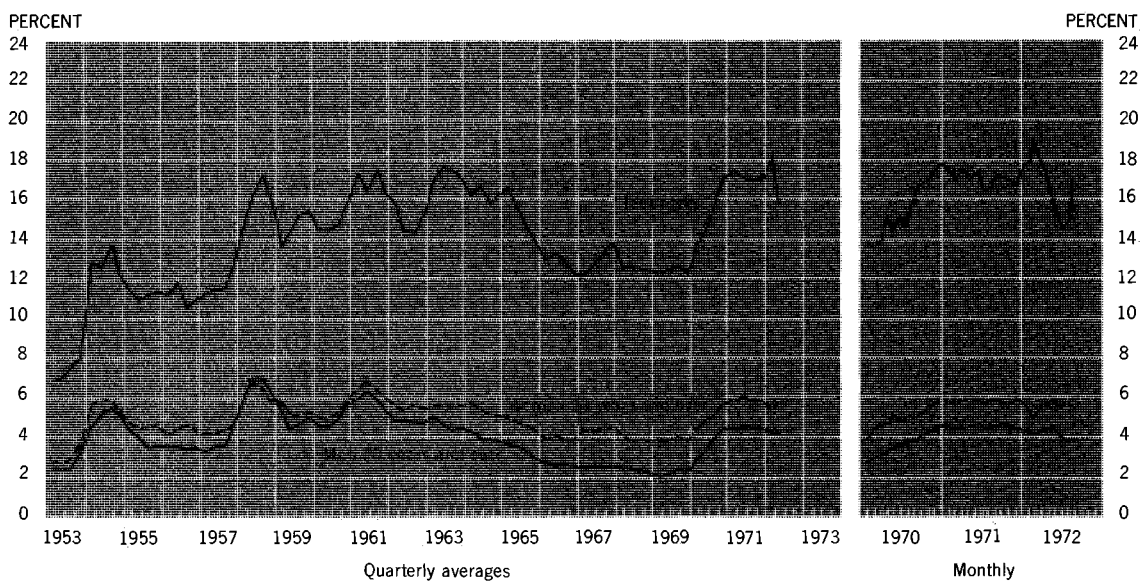
(Seasonally adjusted)



Source: Table A-32.

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

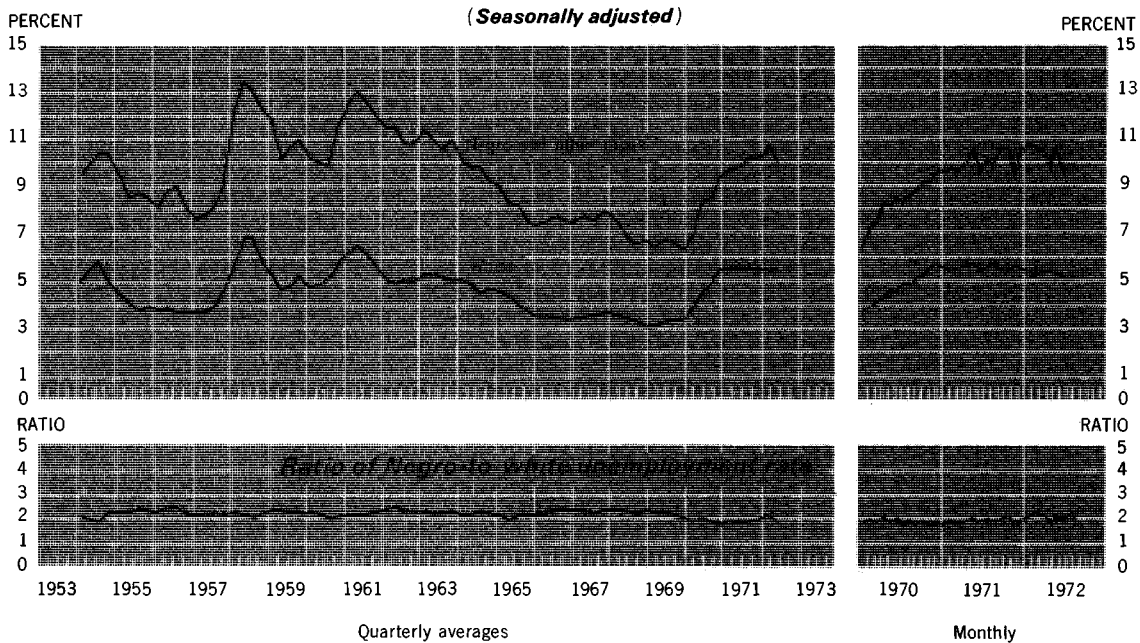
(Seasonally adjusted)



Source: Table A-33.

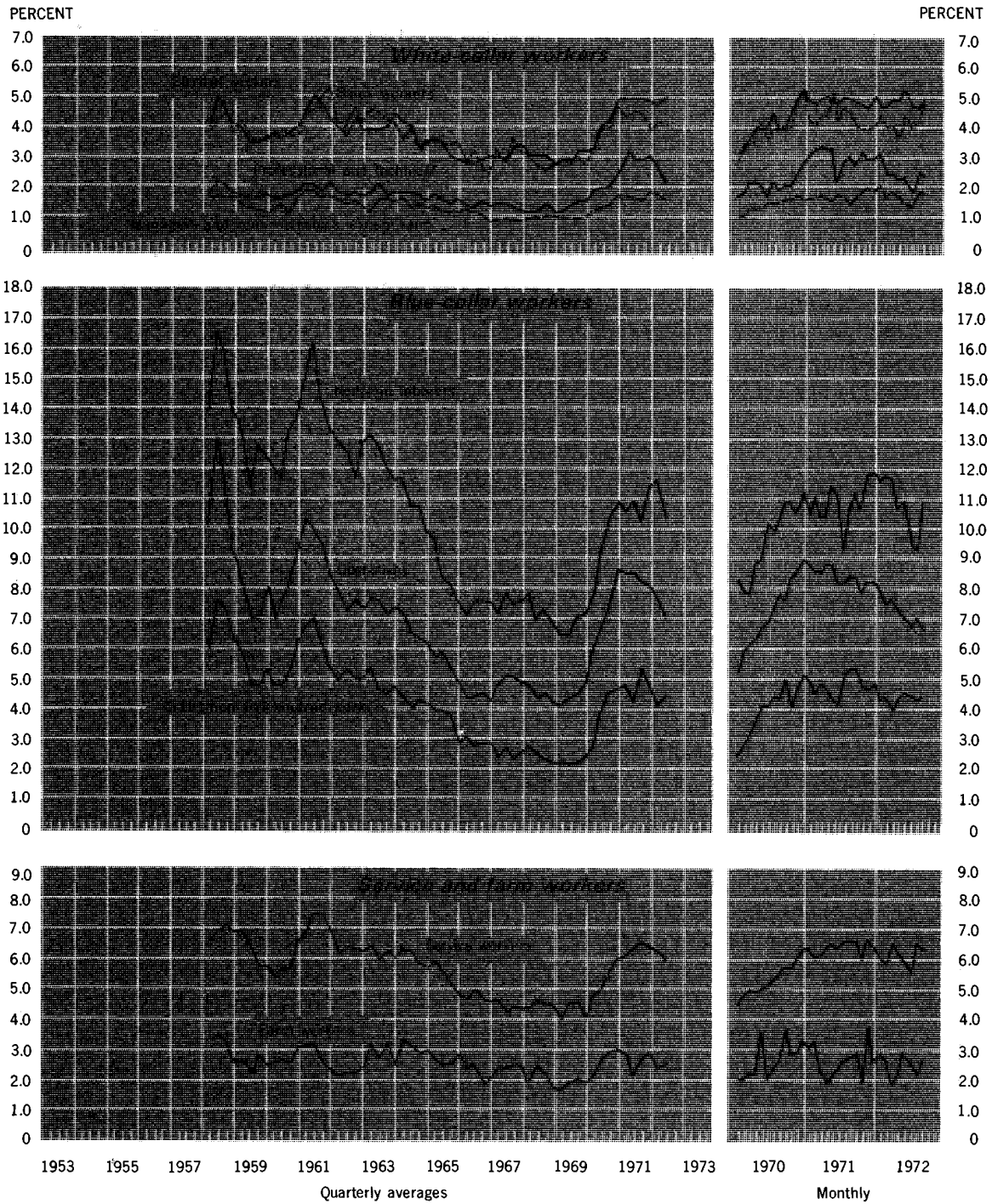
**Chart 10. Unemployment rates by color  
1954 to date**

(Seasonally adjusted)



Source: Table A-31.

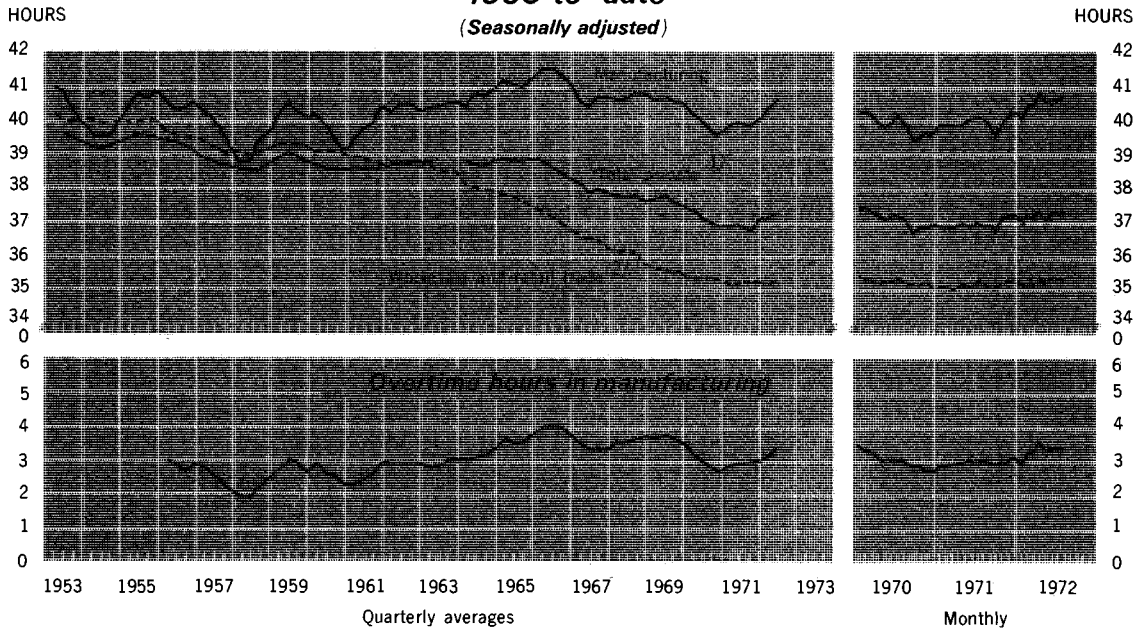
**Chart 11. Unemployment rates by occupation  
1958 to date**  
(Seasonally adjusted)



Source: Table A-33.



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



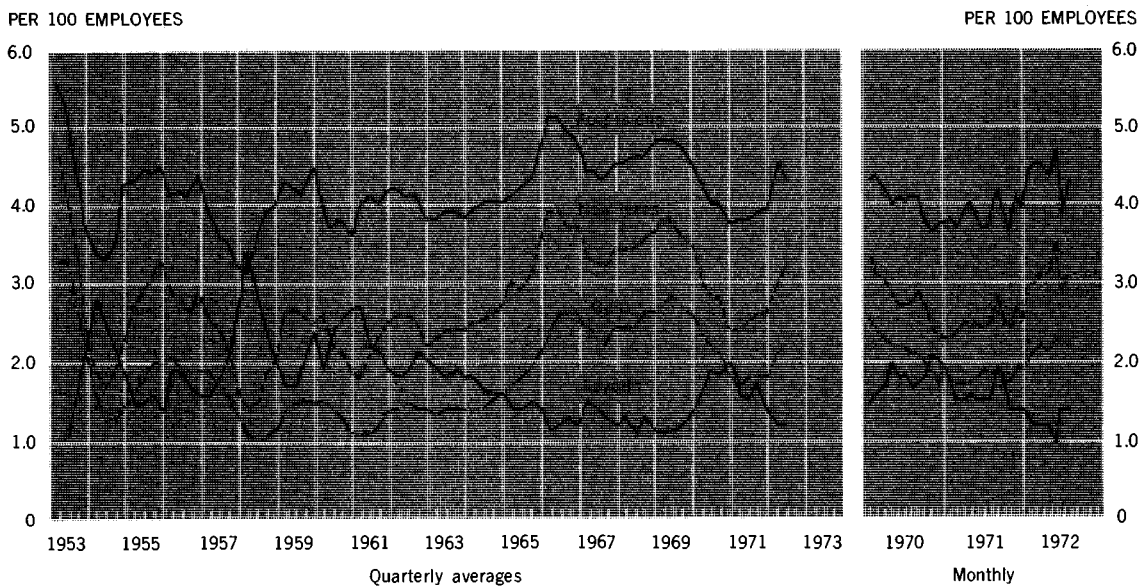
1/ Annual averages prior to 1964.

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

Note: Data for 2 most recent months are preliminary.

Source: Table C-7.

**Chart 13. Labor turnover rates in manufacturing**  
**1953 to date**  
*(Seasonally adjusted)*

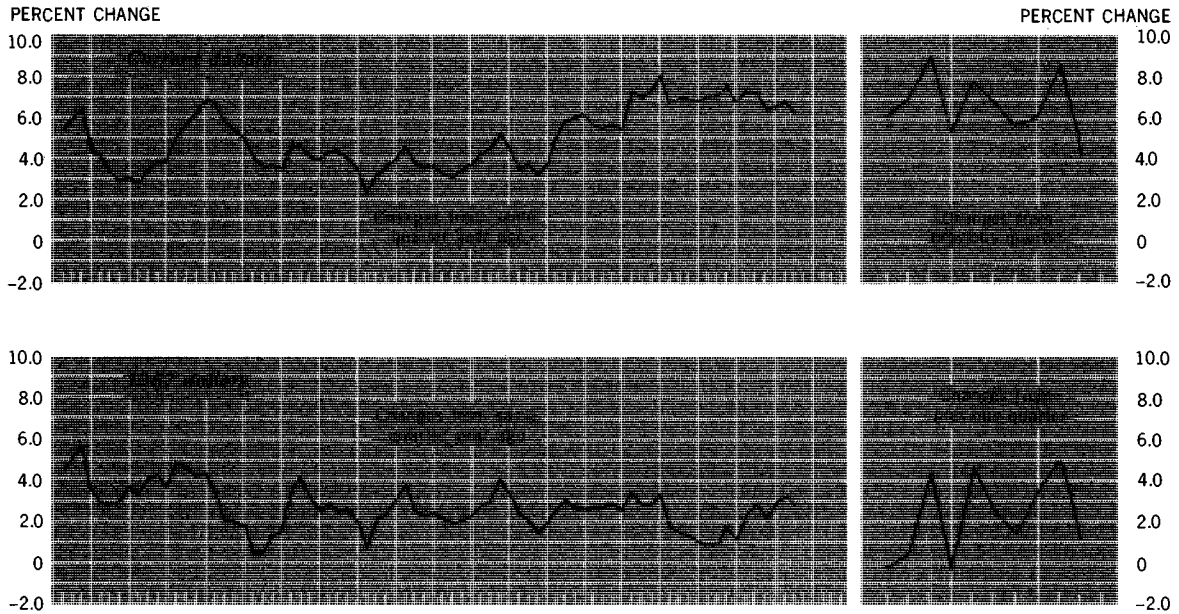


Note: Data for current month are preliminary.

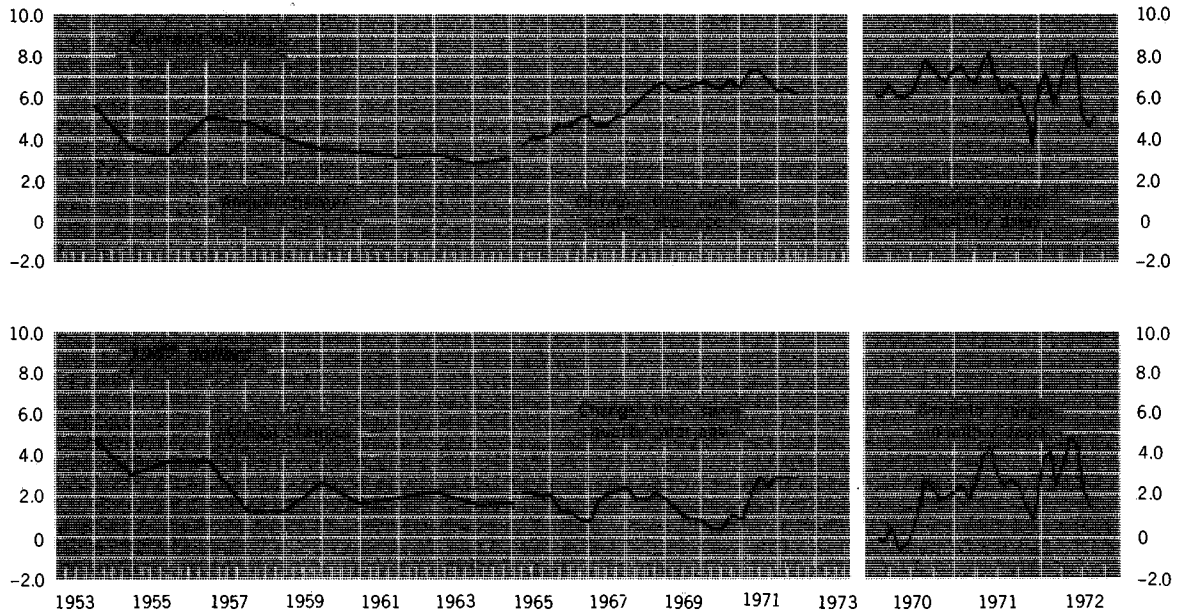
Source: Table D-3.

**Chart 14. Major compensation trend indicators  
in the private nonfarm economy  
1953 to date**  
( *Seasonally adjusted, at annual rates* )

**Hourly compensation index, all employees**

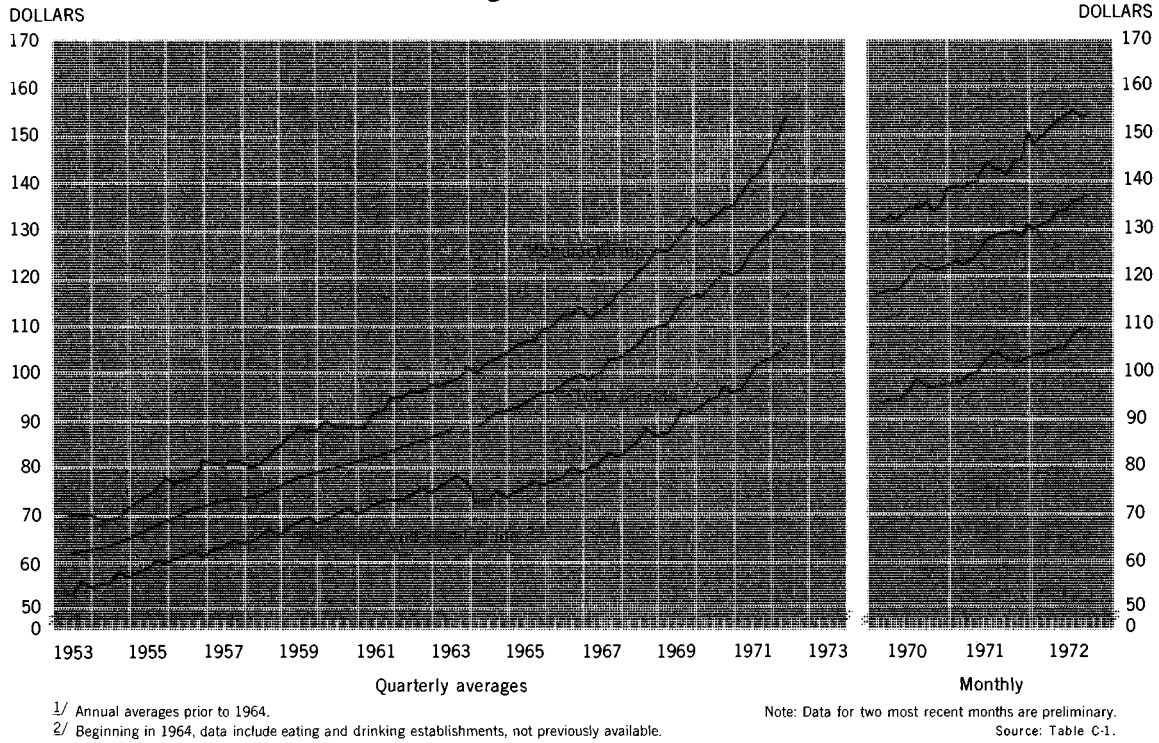


**Hourly earnings index, production or nonsupervisory employees**

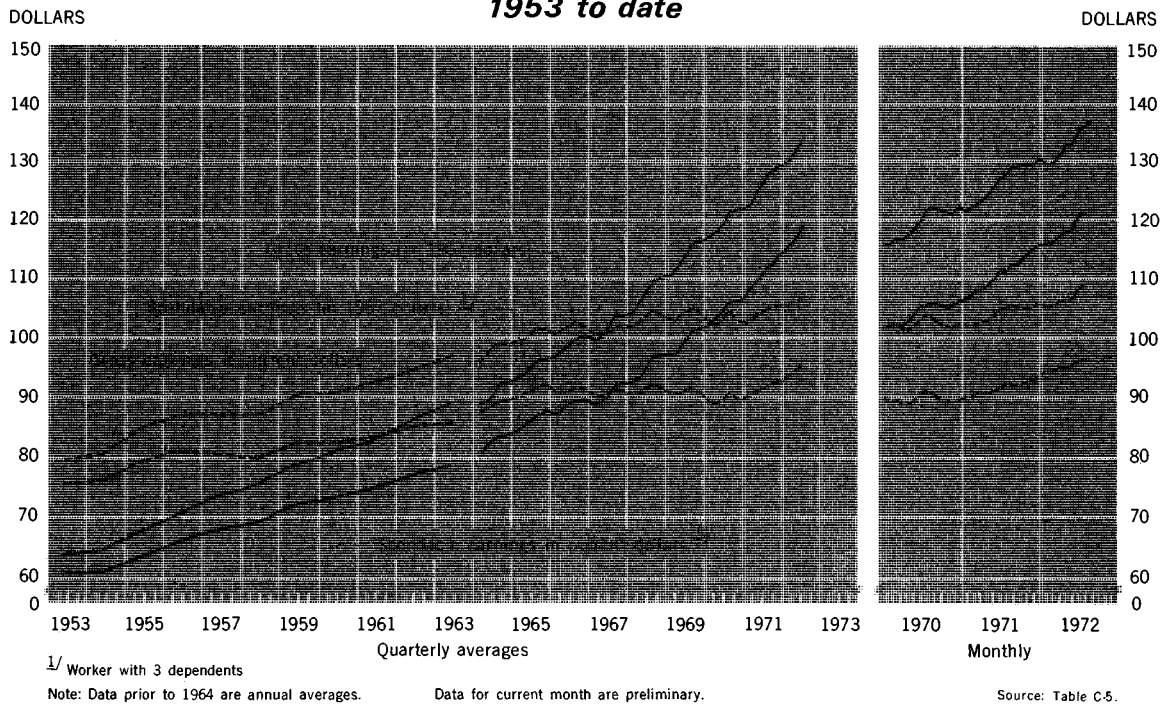


Source: Tables C-12, C-13, and C-15.

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



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

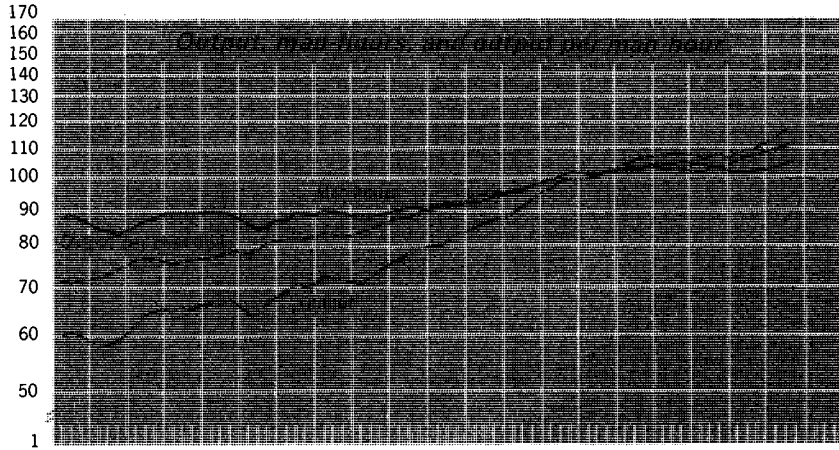




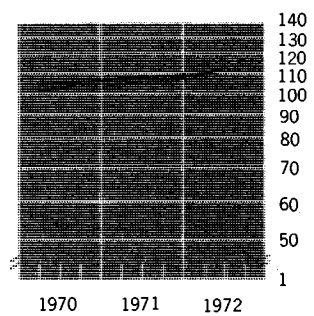
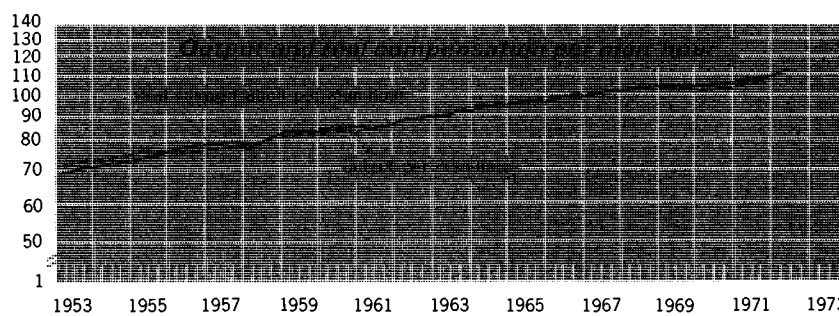
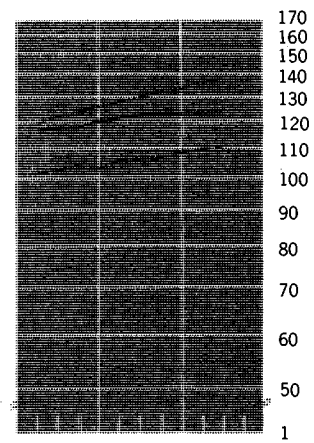
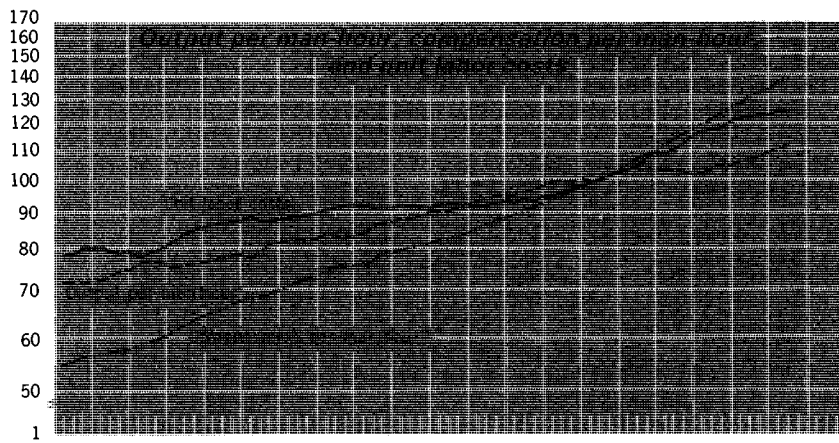
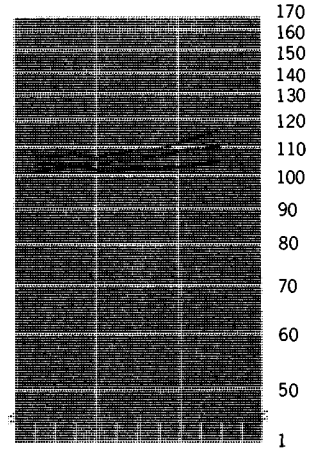
**Chart 17. Indexes of output per man-hour, hourly compensation, and unit labor costs in the private nonfarm economy  
1953 to date**

(Seasonally adjusted quarterly averages)

RATIO SCALE  
INDEX (1967=100)



RATIO SCALE  
INDEX (1967=100)



Source: Table C-10.

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<sup>1</sup> 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 noninstitutional population	Total labor force		Civilian labor force						Not in labor force	
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
					Not seasonally adjusted		Seasonally adjusted				
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
Persons 16 years of age and over											
1947.....	103,418	60,941	58.9	59,350	57,039	7,891	49,148	2,311	3.9	-	42,477
1948.....	104,527	62,080	59.4	60,621	58,344	7,629	50,713	2,276	3.8	-	42,447
1949.....	105,611	62,903	59.6	61,286	57,649	7,656	49,990	3,637	5.9	-	42,708
1950.....	106,645	63,858	59.9	62,208	58,920	7,160	51,760	3,288	5.3	-	42,787
1951.....	107,721	65,117	60.4	62,017	59,962	6,726	53,239	2,055	3.3	-	42,604
1952.....	108,823	65,730	60.4	62,138	60,254	6,501	53,753	1,883	3.0	-	43,093
1953.....	110,601	66,560	60.2	63,015	61,181	6,261	54,922	1,834	2.9	-	44,041
1954.....	111,671	66,993	60.0	63,643	60,110	6,206	53,903	3,532	5.5	-	44,678
1955.....	112,732	68,072	60.4	65,023	62,171	6,449	55,724	2,852	4.4	-	44,660
1956.....	113,811	69,409	61.0	66,552	63,802	6,283	57,517	2,750	4.1	-	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	-	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	-	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	-	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	-	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	-	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	-	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	-	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	-	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	-	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	-	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	-	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	-	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	-	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	-	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	-	55,666
1971: August.....	142,886	88,453	61.9	85,678	80,618	3,764	76,853	5,061	5.9	6.1	54,433
1971: November.....	143,517	87,715	61.1	85,019	80,204	3,262	76,942	4,815	5.7	6.0	55,802
1971: December.....	143,723	87,541	60.9	84,883	80,188	2,948	77,240	4,695	5.5	6.0	56,181
1972: January.....	144,697	87,147	60.2	84,553	79,106	2,869	76,237	5,447	6.4	5.9	57,550
1972: February.....	144,895	87,318	60.3	84,778	79,366	2,909	76,458	5,412	6.4	5.7	57,577
1972: March.....	145,077	87,914	60.6	85,410	80,195	3,094	77,101	5,215	6.1	5.9	57,163
1972: April.....	145,227	87,787	60.4	85,324	80,627	3,287	77,339	4,697	5.5	5.9	57,440
1972: May.....	145,427	87,986	60.5	85,567	80,223	3,531	77,692	4,344	5.1	5.9	57,441
1972: June.....	145,639	90,448	62.1	88,055	82,629	3,976	78,653	5,426	6.2	5.5	55,191
1972: July.....	145,854	91,005	62.4	88,617	83,443	4,061	79,383	5,173	5.8	5.5	54,850
1972: August.....	146,069	90,758	62.1	88,362	83,505	4,031	79,475	4,857	5.5	5.6	55,311

<sup>1</sup> Not available.

NOTE: Figures for periods prior to January 1972 are not strictly comparable with current data because of the introduction of 1970 Census data into the estimation procedures. For example, the civilian labor force and employment totals were increased by more than 300,000 as a result of the census adjustment. For an explanation of the changes and an indication of the differences, see "Revisions in the Current Population Survey" in the February 1972 issue of Employment and Earnings.

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

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
<b>MALE</b>											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,965	45,855	1,403	2.8	-	12,677
1970.....	67,409	53,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	-	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	-	13,715
1971: August.....	68,647	56,307	82.0	53,572	50,905	3,064	47,842	2,667	5.0	5.5	12,340
December.....	69,033	54,566	79.0	51,948	49,164	2,474	46,689	2,784	5.4	5.4	14,467
1972: January.....	69,369	54,473	78.5	51,918	48,678	2,423	46,255	3,240	6.2	5.3	14,896
February.....	69,460	54,550	78.5	52,048	48,755	2,453	46,302	3,293	6.3	5.3	14,910
March.....	69,542	54,939	79.0	52,478	49,401	2,554	46,847	3,076	5.9	5.3	14,603
April.....	69,608	54,937	78.9	52,515	49,848	2,709	47,138	2,668	5.1	5.3	14,671
May.....	69,700	55,044	79.0	52,666	50,276	2,821	47,455	2,390	4.5	5.3	14,656
June.....	69,800	57,050	81.7	54,700	51,874	3,188	48,686	2,827	5.2	4.8	12,749
July.....	69,900	57,487	82.2	55,143	52,483	3,233	49,250	2,659	4.8	4.7	12,412
August.....	70,000	57,250	81.8	54,898	52,461	3,229	49,232	2,437	4.4	4.9	12,750
<b>FEMALE</b>											
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	-	35,767
1948.....	53,088	17,351	32.7	17,335	16,618	1,271	15,347	717	4.1	-	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0	-	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7	-	35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4	-	35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6	-	36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	632	3.3	-	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	-	37,247
1955.....	57,610	20,584	35.7	20,548	19,550	1,184	18,367	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8	-	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	-	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	-	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	-	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	-	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	-	38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	-	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	-	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	-	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	-	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	-	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	-	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	-	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	-	40,924
1970.....	72,774	31,560	43.4	31,520	29,066	601	29,066	1,853	5.9	-	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	-	41,952
1971: August.....	74,240	32,146	43.3	32,106	29,712	700	29,012	2,394	7.5	7.0	42,093
December.....	74,690	32,975	44.1	32,935	31,024	474	30,550	1,911	5.8	7.0	41,715
1972: January.....	75,328	32,675	43.4	32,635	30,428	446	29,982	2,207	6.8	6.9	42,653
February.....	75,435	32,769	43.4	32,730	30,611	455	30,156	2,119	6.5	6.4	42,667
March.....	75,535	32,975	43.7	32,933	30,794	539	30,254	2,139	6.5	6.8	42,560
April.....	75,619	32,850	43.4	32,809	30,779	578	30,201	2,030	6.2	6.8	42,769
May.....	75,727	32,942	43.5	32,901	30,947	710	30,238	1,954	5.9	6.8	42,785
June.....	75,839	33,397	44.0	33,354	30,755	788	29,967	2,599	7.8	6.5	42,442
July.....	75,955	33,517	44.1	33,474	30,960	827	30,133	2,514	7.5	6.9	42,437
August.....	76,069	33,508	44.0	33,464	31,044	802	30,242	2,420	7.2	6.8	42,561

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

**A - 3: Employment status of the noninstitutional population by sex, age, and color**  
August 1972  
(In thousands)

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>MALE</b>											
16 years and over .....	57,250	81.8	54,898	52,461	2,437	4.4	12,750	232	662	1,687	10,169
16 to 21 years .....	9,143	77.7	8,312	7,378	934	11.2	2,622	38	344	47	2,192
16 to 19 years .....	5,839	72.8	5,510	4,812	698	12.7	2,185	32	233	29	1,890
16 and 17 years .....	2,573	62.7	2,542	2,166	376	14.8	1,529	26	124	8	1,371
18 and 19 years .....	3,266	83.3	2,968	2,646	322	10.9	656	7	109	21	519
20 to 64 years .....	49,363	92.0	47,339	45,664	1,674	3.5	4,304	97	429	1,153	2,627
20 to 24 years .....	8,171	90.0	7,122	6,577	545	7.7	905	9	270	61	565
25 to 54 years .....	34,060	95.4	33,088	32,171	918	2.8	1,652	57	158	609	827
25 to 29 years .....	7,092	95.6	6,723	6,450	274	4.1	325	12	103	41	169
30 to 34 years .....	5,874	97.3	5,639	5,501	138	2.4	163	1	38	52	72
35 to 39 years .....	5,244	97.1	5,030	4,886	144	2.9	157	6	7	73	71
40 to 44 years .....	5,421	96.5	5,318	5,198	120	2.3	199	11	4	84	100
45 to 49 years .....	5,404	94.2	5,370	5,232	138	2.6	331	9	3	155	163
50 to 54 years .....	5,025	91.3	5,009	4,904	105	2.1	477	17	3	205	252
55 to 64 years .....	7,131	80.3	7,128	6,917	211	3.0	1,747	31	--	482	1,234
55 to 59 years .....	4,153	87.0	4,150	4,034	115	2.8	622	17	--	213	392
60 to 64 years .....	2,979	72.6	2,978	2,883	96	3.2	1,125	14	--	269	842
65 years and over .....	2,049	24.7	2,049	1,985	64	3.1	6,261	103	--	505	5,652
65 to 69 years .....	1,189	37.6	1,189	1,138	51	4.3	1,976	29	--	164	1,783
70 years and over .....	860	16.7	860	847	13	1.5	4,285	74	--	341	3,869
<b>White</b>											
16 years and over .....	51,366	82.3	49,304	47,340	1,964	4.0	11,077	194	521	1,331	9,031
16 to 21 years .....	8,010	78.7	7,286	6,559	728	10.0	2,163	33	247	41	1,842
16 to 19 years .....	5,118	74.0	4,832	4,285	546	11.3	1,795	26	155	24	1,590
16 and 17 years .....	2,250	63.9	2,222	1,934	288	13.0	1,273	22	74	7	1,170
18 and 19 years .....	2,868	84.6	2,610	2,352	258	9.9	522	5	81	17	420
20 to 64 years .....	44,385	92.5	42,609	41,249	1,359	3.2	3,602	84	366	898	2,254
20 to 24 years .....	7,187	90.4	6,262	5,829	433	6.9	767	11	232	48	476
25 to 54 years .....	30,650	95.9	29,802	29,066	735	2.5	1,306	46	134	458	669
25 to 34 years .....	11,604	96.7	11,079	10,765	314	2.8	399	11	121	78	188
35 to 44 years .....	9,557	97.4	9,281	9,073	208	2.2	259	15	6	103	135
45 to 54 years .....	9,489	93.6	9,443	9,229	214	2.3	647	20	5	276	346
55 to 64 years .....	6,548	81.1	6,545	6,355	191	2.9	1,529	27	--	393	1,109
55 to 59 years .....	3,814	87.6	3,812	3,704	108	2.8	537	14	--	174	349
60 to 64 years .....	2,734	73.4	2,734	2,651	83	3.0	991	13	--	218	760
65 years and over .....	1,863	24.7	1,863	1,805	58	3.1	5,680	84	--	409	5,187
<b>Negro and other races</b>											
16 years and over .....	5,884	77.9	5,594	5,121	473	8.4	1,672	38	141	356	1,138
16 to 21 years .....	1,133	71.2	1,025	819	206	20.1	458	5	97	6	350
16 to 19 years .....	721	64.9	678	526	152	22.4	389	6	78	6	300
16 and 17 years .....	323	55.9	320	232	88	27.4	255	4	50	1	201
18 and 19 years .....	397	74.8	358	294	64	17.9	134	2	28	5	100
20 to 64 years .....	4,977	87.6	4,729	4,415	315	6.7	702	13	63	254	372
20 to 24 years .....	984	87.7	860	748	112	13.0	138	--	38	13	88
25 to 54 years .....	3,411	90.8	3,286	3,104	182	5.5	346	11	25	151	159
25 to 34 years .....	1,363	93.8	1,284	1,186	98	7.6	89	2	20	15	53
35 to 44 years .....	1,108	92.0	1,067	1,011	56	5.2	96	2	5	53	36
45 to 54 years .....	940	85.4	936	907	28	3.0	160	7	--	83	70
55 to 64 years .....	583	72.7	583	562	20	3.5	219	4	--	90	125
55 to 59 years .....	338	79.9	338	330	8	2.3	85	3	--	39	43
60 to 64 years .....	245	64.6	245	232	13	5.2	134	1	--	51	82
65 years and over .....	187	24.3	187	180	6	3.4	581	19	--	96	466

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

**A-3: Employment status of the noninstitutional population by sex, age, and color--Continued**  
 August 1972  
 (In thousands)

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>FEMALE</b>											
16 years and over .....	33,508	44.0	33,464	31,044	2,420	7.2	42,561	36,309	671	976	4,605
16 to 21 years .....	6,539	56.8	6,518	5,623	896	13.7	4,971	2,236	493	26	2,216
16 to 19 years .....	4,186	53.6	4,177	3,528	648	15.5	3,618	1,232	359	16	2,011
16 and 17 years .....	1,745	43.9	1,745	1,437	308	17.6	2,234	526	173	9	1,526
18 and 19 years .....	2,441	63.8	2,432	2,091	341	14.0	1,384	705	186	8	484
20 to 64 years .....	28,243	49.9	28,209	26,495	1,713	6.1	28,372	26,132	307	398	1,535
20 to 24 years .....	5,544	61.4	5,522	4,947	576	10.4	3,485	2,903	220	24	338
25 to 54 years .....	18,555	49.4	18,542	17,546	997	5.4	18,991	17,827	86	203	875
25 to 29 years .....	3,562	47.1	3,556	3,295	261	7.4	4,004	3,769	47	17	172
30 to 34 years .....	2,722	43.7	2,719	2,544	176	6.5	3,511	3,318	18	23	152
35 to 39 years .....	2,714	48.0	2,712	2,556	156	5.8	2,937	2,760	13	28	136
40 to 44 years .....	3,060	51.6	3,059	2,897	162	5.3	2,867	2,681	3	34	149
45 to 49 years .....	3,342	54.0	3,341	3,202	139	4.2	2,843	2,674	2	42	124
50 to 54 years .....	3,155	52.7	3,154	3,052	103	3.3	2,829	2,626	2	58	143
55 to 64 years .....	4,144	41.3	4,144	4,003	140	3.4	5,897	5,402	2	171	323
55 to 59 years .....	2,509	47.4	2,509	2,416	92	3.7	2,783	2,593	--	77	113
60 to 64 years .....	1,635	34.4	1,635	1,587	48	2.9	3,114	2,809	1	94	210
65 years and over .....	1,079	9.3	1,079	1,021	59	5.4	10,571	8,945	5	562	1,059
65 to 69 years .....	686	17.4	686	645	41	6.0	3,250	2,899	3	87	261
70 years and over .....	393	5.1	393	375	18	4.5	7,321	6,046	3	475	797
<b>White</b>											
16 years and over .....	29,191	43.4	29,153	27,223	1,930	6.6	38,115	32,841	513	742	4,019
16 to 21 years .....	5,780	58.5	5,763	5,075	687	11.9	4,094	1,815	380	22	1,877
16 to 19 years .....	3,697	55.4	3,689	3,193	496	13.4	2,980	981	269	14	1,716
16 and 17 years .....	1,549	45.6	1,548	1,292	257	16.6	1,846	417	122	9	1,298
18 and 19 years .....	2,148	65.4	2,140	1,901	239	11.2	1,134	565	146	5	418
20 to 64 years .....	24,532	49.1	24,502	23,123	1,379	5.6	25,432	23,585	240	264	1,344
20 to 24 years .....	4,863	62.2	4,844	4,373	471	9.7	2,956	2,499	170	13	274
25 to 54 years .....	15,927	48.2	15,915	15,130	785	4.9	17,116	16,131	68	127	791
25 to 34 years .....	5,270	43.7	5,263	4,928	335	6.4	6,797	6,430	52	29	287
35 to 44 years .....	4,893	48.4	4,890	4,646	244	5.0	5,209	4,894	13	45	258
45 to 54 years .....	5,764	53.0	5,762	5,556	207	3.6	5,109	4,807	3	53	246
55 to 64 years .....	3,743	41.1	3,742	3,620	122	3.3	5,361	4,955	2	124	280
55 to 59 years .....	2,266	47.2	2,266	2,189	77	3.4	2,531	2,382	1	55	93
60 to 64 years .....	1,477	34.3	1,477	1,431	46	3.1	2,831	2,573	1	69	187
65 years and over .....	962	9.0	962	907	55	5.8	9,702	8,275	4	464	959
<b>Negro and other races</b>											
16 years and over .....	4,317	49.3	4,311	3,821	490	11.4	4,447	3,468	159	234	586
16 to 21 years .....	759	46.4	756	547	208	27.6	877	421	113	3	339
16 to 19 years .....	489	43.4	488	335	152	31.2	637	250	91	2	294
16 and 17 years .....	197	33.6	197	146	51	25.9	388	110	51	--	228
18 and 19 years .....	292	54.0	291	190	101	34.8	250	141	40	2	66
20 to 64 years .....	3,711	55.8	3,707	3,372	335	9.0	2,940	2,548	67	134	191
20 to 24 years .....	681	56.3	679	574	105	15.5	529	404	50	11	64
25 to 54 years .....	2,628	58.4	2,627	2,416	211	8.0	1,874	1,697	17	76	85
25 to 34 years .....	1,014	58.6	1,013	911	102	10.1	717	656	13	11	37
35 to 44 years .....	881	59.7	881	807	74	8.4	595	547	4	17	27
45 to 54 years .....	733	56.6	733	698	35	4.8	563	493	1	48	21
55 to 64 years .....	401	42.8	401	383	18	4.5	536	447	--	47	43
55 to 59 years .....	243	49.0	243	227	16	6.5	253	211	--	23	19
60 to 64 years .....	158	35.9	158	156	2	1.5	283	235	--	24	23
65 years and over .....	117	11.8	117	114	3	2.7	869	670	1	98	100

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>MALE</b>								
16 years and over .....	57,250	56,307	81.8	82.0	54,898	53,572	81.2	81.3
16 to 19 years .....	5,839	5,452	72.8	70.2	5,510	5,118	71.6	68.9
16 and 17 years .....	2,573	2,394	62.7	60.1	2,542	2,365	62.4	59.8
18 and 19 years .....	3,266	3,059	83.3	80.8	2,968	2,753	81.9	79.1
20 to 24 years .....	8,171	8,048	90.0	90.0	7,122	6,675	88.7	88.2
25 to 54 years .....	34,060	33,522	95.4	95.7	33,088	32,497	95.2	95.6
25 to 34 years .....	12,966	12,360	96.4	96.6	12,363	11,747	96.2	96.5
35 to 44 years .....	10,665	10,647	96.8	96.5	10,347	10,295	96.7	96.4
45 to 54 years .....	10,429	10,514	92.8	93.8	10,378	10,455	92.8	93.8
55 to 64 years .....	7,131	7,158	80.3	82.2	7,128	7,155	80.3	82.2
55 to 59 years .....	4,153	4,244	87.0	89.0	4,150	4,241	87.0	89.0
60 to 64 years .....	2,979	2,914	72.6	73.9	2,978	2,914	72.6	73.9
65 years and over .....	2,049	2,128	24.7	25.9	2,049	2,128	24.7	25.9
<b>White</b>								
16 years and over .....	51,366	50,574	82.3	82.5	49,304	48,148	81.7	81.7
16 to 19 years .....	5,118	4,813	74.0	71.6	4,832	4,517	72.9	70.3
16 and 17 years .....	2,250	2,133	63.9	62.0	2,222	2,107	63.6	61.7
18 and 19 years .....	2,868	2,680	84.6	81.6	2,610	2,410	83.3	79.9
20 to 24 years .....	7,187	7,067	90.4	90.2	6,262	5,838	89.1	88.4
25 to 54 years .....	30,650	30,161	95.9	96.2	29,802	29,264	95.8	96.1
25 to 34 years .....	11,604	11,021	96.7	97.1	11,079	10,484	96.5	97.0
35 to 44 years .....	9,557	9,562	97.4	97.0	9,281	9,257	97.3	96.9
45 to 54 years .....	9,489	9,578	93.6	94.5	9,443	9,524	93.6	94.5
55 to 64 years .....	6,548	6,565	81.1	82.7	6,545	6,562	81.1	82.7
55 to 59 years .....	3,814	3,878	87.6	89.5	3,812	3,875	87.6	89.5
60 to 64 years .....	2,734	2,687	73.4	74.6	2,734	2,686	73.4	74.6
65 years and over .....	1,863	1,968	24.7	26.2	1,863	1,968	24.7	26.2
<b>Negro and other races</b>								
16 years and over .....	5,884	5,733	77.9	78.4	5,594	5,425	77.0	77.5
16 to 19 years .....	721	639	64.9	61.3	678	602	63.5	59.9
16 and 17 years .....	323	261	55.9	47.9	320	258	55.6	47.6
18 and 19 years .....	397	378	74.8	75.9	358	344	72.8	74.1
20 to 24 years .....	984	981	87.7	88.7	860	837	86.2	87.0
25 to 54 years .....	3,411	3,360	90.8	91.1	3,286	3,233	90.5	90.7
25 to 34 years .....	1,363	1,339	93.8	92.8	1,284	1,263	93.5	92.4
35 to 44 years .....	1,108	1,085	92.0	92.5	1,067	1,038	91.7	92.2
45 to 54 years .....	940	936	85.4	87.2	936	931	85.4	87.1
55 to 64 years .....	583	594	72.7	76.3	583	593	72.7	76.3
55 to 59 years .....	338	366	79.9	84.2	338	366	79.9	84.2
60 to 64 years .....	245	228	64.6	66.4	245	228	64.6	66.4
65 years and over .....	187	160	24.3	23.0	187	160	24.3	23.0

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.



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	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>FEMALE</b>								
16 years and over .....	33,508	32,146	44.0	43.3	33,464	32,106	44.0	43.3
16 to 19 years .....	4,186	3,960	53.6	52.0	4,177	3,951	53.6	52.0
16 and 17 years .....	1,745	1,653	43.9	42.4	1,745	1,653	43.9	42.4
18 and 19 years .....	2,441	2,308	63.8	62.1	2,432	2,299	63.7	62.0
20 to 24 years .....	5,544	5,264	61.4	59.3	5,522	5,244	61.3	59.2
25 to 54 years .....	18,555	17,862	49.4	48.6	18,542	17,850	49.4	48.6
25 to 34 years .....	6,284	5,649	45.5	43.2	6,276	5,642	45.5	43.2
35 to 44 years .....	5,774	5,749	49.9	49.8	5,771	5,746	49.9	49.8
45 to 54 years .....	6,497	6,463	53.4	53.3	6,496	6,462	53.4	53.3
55 to 64 years .....	4,144	4,043	41.3	41.1	4,144	4,043	41.3	41.1
55 to 59 years .....	2,509	2,467	47.4	46.7	2,509	2,467	47.4	46.7
60 to 64 years .....	1,635	1,576	34.4	34.6	1,635	1,576	34.4	34.6
65 years and over .....	1,079	1,018	9.3	9.1	1,079	1,018	9.3	9.1
<b>White</b>								
16 years and over .....	29,191	27,914	43.4	42.4	29,153	27,879	43.3	42.4
16 to 19 years .....	3,697	3,535	55.4	54.1	3,689	3,527	55.3	54.0
16 and 17 years .....	1,549	1,481	45.6	44.4	1,548	1,481	45.6	44.4
18 and 19 years .....	2,148	2,054	65.4	64.2	2,140	2,046	65.4	64.1
20 to 24 years .....	4,863	4,582	62.2	59.5	4,844	4,565	62.1	59.4
25 to 54 years .....	15,927	15,271	48.2	47.1	15,915	15,260	48.2	47.1
25 to 34 years .....	5,270	4,697	43.7	41.1	5,263	4,691	43.6	41.0
35 to 44 years .....	4,893	4,879	48.4	48.3	4,890	4,876	48.4	48.3
45 to 54 years .....	5,764	5,695	53.0	52.5	5,762	5,694	53.0	52.5
55 to 64 years .....	3,743	3,613	41.1	40.5	3,742	3,613	41.1	40.5
55 to 59 years .....	2,266	2,196	47.2	46.0	2,266	2,196	47.2	46.0
60 to 64 years .....	1,477	1,417	34.3	34.1	1,477	1,417	34.3	34.1
65 years and over .....	962	913	9.0	8.9	962	913	9.0	8.9
<b>Negro and other races</b>								
16 years and over .....	4,317	4,232	49.3	50.5	4,311	4,227	49.2	50.5
16 to 19 years .....	489	426	43.4	39.7	488	424	43.3	39.6
16 and 17 years .....	197	172	33.6	30.8	197	172	33.6	30.8
18 and 19 years .....	292	254	54.0	49.2	291	252	53.8	49.0
20 to 24 years .....	681	681	56.3	58.1	679	679	56.2	58.0
25 to 54 years .....	2,628	2,590	58.4	59.7	2,627	2,589	58.4	59.7
25 to 34 years .....	1,014	952	58.6	58.1	1,013	951	58.6	58.1
35 to 44 years .....	881	870	59.7	61.0	881	870	59.7	61.0
45 to 54 years .....	733	768	56.6	60.2	733	768	56.6	60.2
55 to 64 years .....	401	430	42.8	47.0	401	430	42.8	47.0
55 to 59 years .....	243	271	49.0	52.9	243	271	49.0	52.9
60 to 64 years .....	158	159	35.9	39.5	158	159	35.9	39.5
65 years and over .....	117	105	11.8	11.9	117	105	11.8	11.9

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

HOUSEHOLD DATA

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex  
August 1972  
(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	23,274	11,765	11,510	20,048	10,174	9,874	3,226	1,591	1,636
Total labor force	15,682	9,143	6,539	13,790	8,010	5,780	1,891	1,133	759
Percent of population	67.4	77.7	56.8	68.8	78.7	58.5	58.6	71.2	46.4
Civilian labor force	14,830	8,312	6,518	13,049	7,286	5,763	1,781	1,025	756
Employed	13,001	7,378	5,623	11,634	6,559	5,075	1,367	819	547
Agriculture	868	717	151	750	629	121	118	88	30
Nonagricultural industries	12,133	6,661	5,472	10,884	5,930	4,954	1,249	731	517
Unemployed	1,829	934	896	1,415	728	687	414	206	208
Percent of labor force	12.3	11.2	13.7	10.8	10.0	11.9	23.3	20.1	27.6
Looking for full-time work	1,276	653	623	973	508	465	303	144	159
Looking for part-time work	553	281	272	442	219	223	111	61	50
Not in labor force	7,592	2,622	4,971	6,257	2,163	4,094	1,335	458	877
Major activity: going to school									
Civilian labor force	163	69	94	141	60	81	22	9	13
Employed	111	46	65	104	42	63	7	5	2
Agriculture	--	--	--	--	--	--	--	--	--
Nonagricultural industries	113	49	65	106	44	63	7	5	2
Unemployed	52	23	29	37	18	18	15	4	11
Percent of labor force	31.9	(1)	(1)	26.1	(1)	(1)	(1)	(1)	(1)
Looking for full-time work	28	11	17	17	9	9	11	2	8
Looking for part-time work	24	12	13	20	10	10	5	2	3
Not in labor force	838	344	493	627	247	380	211	97	113
Major activity: other									
Civilian labor force	14,667	8,243	6,424	12,908	7,226	5,682	1,759	1,016	743
Employed	12,890	7,332	5,558	11,530	6,517	5,013	1,360	815	545
Agriculture	870	719	151	752	631	121	119	89	30
Nonagricultural industries	12,019	6,612	5,407	10,778	5,886	4,892	1,241	726	515
Unemployed	1,777	911	866	1,378	709	669	399	202	197
Percent of labor force	12.1	11.1	13.5	10.7	9.8	11.8	22.7	19.8	26.6
Looking for full-time work	1,249	642	606	956	500	456	293	142	150
Looking for part-time work	529	269	260	422	209	213	107	59	47
Not in labor force	6,755	2,277	4,478	5,630	1,917	3,714	1,124	361	764

<sup>1</sup>Percent not shown where base is less than 100,000.

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>Total</b>								
Total noninstitutional population	146,069	142,886	61,977	60,880	68,265	66,628	15,827	15,378
Total labor force	90,758	88,453	51,412	50,855	29,322	28,186	10,024	9,413
Percent of population	62.1	61.9	83.0	83.5	43.0	42.3	63.3	61.2
Civilian labor force	88,362	85,678	49,388	48,454	29,288	28,154	9,687	9,070
Employed	83,505	80,618	47,649	46,465	27,516	26,355	8,340	7,798
Agriculture	4,031	3,764	2,647	2,556	673	605	711	604
Nonagricultural industries	79,475	76,853	45,003	43,909	26,843	25,750	7,629	7,194
Unemployed	4,857	5,061	1,738	1,989	1,772	1,800	1,347	1,272
Percent of labor force	5.5	5.9	3.5	4.1	6.1	6.4	13.9	14.0
Not in labor force	55,311	54,433	10,565	10,025	38,943	38,443	5,802	5,966
<b>White</b>								
Total noninstitutional population	129,749	127,193	55,530	54,610	60,629	59,320	13,590	13,263
Total labor force	80,557	78,488	46,248	45,760	25,494	24,380	8,815	8,348
Percent of population	62.1	61.7	83.3	83.8	42.1	41.1	64.9	62.9
Civilian labor force	78,457	76,027	44,472	43,631	25,464	24,352	8,521	8,044
Employed	74,562	71,922	43,054	41,989	24,030	22,886	7,478	7,047
Agriculture	3,608	3,330	2,379	2,297	614	518	616	516
Nonagricultural industries	70,954	68,592	40,675	39,692	23,416	22,368	6,862	6,532
Unemployed	3,894	4,104	1,417	1,642	1,434	1,466	1,043	996
Percent of labor force	5.0	5.4	3.2	3.8	5.6	6.0	12.2	12.4
Not in labor force	49,192	48,705	9,282	8,850	35,134	34,940	4,776	4,915
<b>Negro and other races</b>								
Total noninstitutional population	16,320	15,694	6,447	6,270	7,637	7,308	2,236	2,116
Total labor force	10,201	9,965	5,164	5,095	3,828	3,806	1,210	1,065
Percent of population	62.5	63.5	80.1	81.3	50.1	52.1	54.1	50.3
Civilian labor force	9,905	9,652	4,916	4,823	3,824	3,803	1,166	1,026
Employed	8,943	8,695	4,595	4,476	3,486	3,469	862	751
Agriculture	422	434	268	259	59	87	95	88
Nonagricultural industries	8,521	8,261	4,327	4,217	3,426	3,381	767	663
Unemployed	963	956	321	347	338	334	304	275
Percent of labor force	9.7	9.9	6.5	7.2	8.8	8.8	26.1	26.8
Not in labor force	6,119	5,728	1,283	1,175	3,809	3,502	1,027	1,051

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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

August 1972

(In thousands)

Age and sex	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
16 years and over .....	78,062	70,729	3,431	3,902	5.0	10,300	9,345	955	9.3
16 to 21 years .....	11,720	8,842	1,601	1,276	10.9	3,110	2,557	553	17.8
16 to 19 years .....	7,131	4,969	1,309	853	12.0	2,555	2,062	493	19.3
16 and 17 years .....	2,594	1,538	736	320	12.3	1,693	1,330	364	21.5
18 and 19 years .....	4,538	3,431	574	533	11.7	862	732	130	15.0
20 years and over .....	70,930	65,761	2,121	3,048	4.3	7,745	7,283	462	6.0
20 to 24 years .....	11,497	9,970	541	986	8.6	1,148	1,013	135	11.7
25 years and over .....	59,434	55,791	1,581	2,062	3.5	6,598	6,270	327	5.0
25 to 54 years .....	47,501	44,628	1,177	1,697	3.6	4,129	3,911	218	5.3
55 years and over .....	11,932	11,163	404	365	3.1	2,469	2,359	109	4.4
<b>MALE</b>									
16 years and over .....	51,548	47,654	1,840	2,053	4.0	3,350	2,967	383	11.4
16 to 21 years .....	6,833	5,289	891	653	9.6	1,479	1,198	281	19.0
16 to 19 years .....	4,242	3,055	743	444	10.5	1,268	1,014	254	20.0
20 years and over .....	47,306	44,600	1,097	1,609	3.4	2,082	1,953	129	6.2
20 to 24 years .....	6,698	5,930	284	484	7.2	424	363	61	14.5
25 years and over .....	40,609	38,669	814	1,126	2.8	1,658	1,589	68	4.1
25 to 54 years .....	32,554	31,089	577	888	2.7	535	505	30	5.6
55 years and over .....	8,055	7,580	237	237	2.9	1,123	1,084	38	3.4
<b>FEMALE</b>									
16 years and over .....	26,514	23,075	1,591	1,849	7.0	6,950	6,378	572	8.2
16 to 21 years .....	4,887	3,553	711	623	12.8	1,632	1,359	272	16.7
16 to 19 years .....	2,890	1,914	566	409	14.2	1,287	1,048	239	18.6
20 years and over .....	23,625	21,161	1,024	1,439	6.1	5,663	5,330	333	5.9
20 to 24 years .....	4,799	4,039	257	503	10.5	723	650	73	10.1
25 years and over .....	18,826	17,122	768	936	5.0	4,939	4,680	260	5.3
25 to 54 years .....	14,949	13,539	601	809	5.4	3,594	3,406	189	5.3
55 years and over .....	3,877	3,583	167	127	3.3	1,346	1,275	71	5.3

<sup>1</sup>Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.  
NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>Total, 16 years and over</b> .....	2,437	2,667	4.4	5.0	2,420	2,394	7.2	7.5
16 to 19 years .....	698	678	12.7	13.2	648	594	15.5	15.0
16 and 17 years .....	376	338	14.8	14.3	308	267	17.6	16.1
18 and 19 years .....	322	340	10.9	12.3	341	327	14.0	14.2
20 years and over .....	1,738	1,989	3.5	4.1	1,772	1,800	6.1	6.4
20 to 24 years .....	545	628	7.7	9.4	576	543	10.4	10.4
25 years and over .....	1,193	1,361	2.8	3.3	1,196	1,257	5.0	5.5
25 to 34 years .....	412	501	3.3	4.3	437	422	7.0	7.5
35 to 44 years .....	264	301	2.5	2.9	318	366	5.5	6.4
45 to 54 years .....	243	284	2.3	2.7	242	288	3.7	4.4
55 to 64 years .....	211	204	3.0	2.8	140	152	3.4	3.8
55 to 59 years .....	115	116	2.8	2.7	92	92	3.7	3.7
60 to 64 years .....	96	87	3.2	3.0	48	60	2.9	3.8
65 years and over .....	64	71	3.1	3.4	59	30	5.4	2.9
<b>Household head, 16 years and over</b> .....	1,152	1,354	2.6	3.2	415	400	5.9	6.0
16 to 24 years .....	172	225	4.5	6.2	85	60	10.9	7.9
25 to 54 years .....	722	865	2.4	2.9	240	253	5.9	6.7
55 years and over .....	258	265	2.9	3.0	90	86	4.1	4.0

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	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>Total, 16 years and over</b> .....	2,437	2,667	4.4	5.0	2,420	2,394	7.2	7.5
Married, spouse present .....	945	1,162	2.4	2.9	1,149	1,132	6.1	6.2
Widowed, divorced, or separated .....	216	196	7.1	6.8	420	418	6.9	7.1
Single (never married) .....	1,276	1,309	10.5	11.6	851	844	9.9	10.4
<b>Total, 20 to 64 years of age</b> .....	1,674	1,918	3.5	4.1	1,713	1,770	6.1	6.5
Married, spouse present .....	867	1,094	2.3	2.9	1,042	1,065	5.8	6.1
Widowed, divorced, or separated .....	205	177	7.5	6.8	359	386	6.6	7.4
Single (never married) .....	601	647	8.8	10.3	311	319	6.5	7.1
<b>White, 16 years and over</b> .....	1,964	2,187	4.0	4.5	1,930	1,917	6.6	6.9
Married, spouse present .....	808	984	2.2	2.7	990	982	5.9	6.1
Widowed, divorced, or separated .....	163	152	6.7	6.6	316	295	6.4	6.3
Single (never married) .....	992	1,051	9.4	10.7	625	640	8.4	9.1
<b>White, 20 to 64 years of age</b> .....	1,359	1,579	3.2	3.8	1,379	1,438	5.6	6.1
Married, spouse present .....	741	922	2.1	2.7	899	922	5.6	5.9
Widowed, divorced, or separated .....	151	137	6.9	6.7	257	274	5.9	6.7
Single (never married) .....	467	522	7.9	9.6	224	243	5.5	6.4
<b>Negro and other races, 16 years and over</b> .....	473	480	8.4	8.8	490	477	11.4	11.3
Married, spouse present .....	136	178	4.0	5.2	159	150	8.0	7.7
Widowed, divorced, or separated .....	53	44	8.7	7.4	105	123	9.0	10.0
Single (never married) .....	283	258	18.0	18.0	226	204	19.6	19.4
<b>Negro and other races, 20 to 64 years of age</b> .....	315	339	6.7	7.3	334	332	9.0	9.0
Married, spouse present .....	127	173	3.9	5.3	145	143	7.6	7.6
Widowed, divorced, or separated .....	53	39	9.4	7.0	103	113	9.5	9.9
Single (never married) .....	134	126	14.8	14.9	89	76	12.6	11.3

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>TOTAL</b> .....	4,857	5,061	5.5	5.9	4.4	5.0	7.2	7.5
<b>White-collar workers</b> .....	1,507	1,487	3.7	3.8	2.4	2.5	5.1	5.1
Professional and technical .....	362	448	3.2	4.1	2.5	3.2	4.3	5.5
Managers and administrators, except farm .....	154	130	1.8	1.4	1.5	1.3	3.4	2.0
Sales workers .....	239	206	4.2	3.9	2.9	2.6	6.0	5.4
Clerical workers .....	752	703	5.0	4.9	3.7	3.5	5.4	5.4
<b>Blue-collar workers</b> .....	1,786	1,990	5.6	6.6	5.0	5.9	8.6	9.7
Craftsmen and kindred workers .....	403	463	3.5	4.2	3.3	4.2	8.4	5.5
Carpenters and other construction craftsmen .....	191	(2)	5.0	(2)	5.0	(2)	(1)	(2)
All other .....	212	(2)	2.7	(2)	2.4	(2)	8.5	(2)
Operatives, except transport .....	778	(2)	6.8	(2)	5.5	(2)	8.7	(2)
Transport equipment operatives .....	150	(2)	4.5	(2)	4.4	(2)	7.0	(2)
Nonfarm laborers .....	456	414	8.5	8.3	8.6	8.3	7.1	6.8
Construction laborers .....	151	109	13.3	9.6	13.2	9.7	(1)	--
All other .....	305	305	7.2	7.9	7.3	7.9	6.2	7.0
<b>Service workers</b> .....	746	755	6.3	6.5	5.2	5.6	7.0	7.1
Private household .....	84	63	6.1	4.2	(1)	--	6.1	4.3
All other .....	662	692	6.4	6.9	5.2	5.7	7.2	7.9
<b>Farmers and farm laborers</b> .....	86	87	2.4	2.5	2.2	2.5	3.0	2.5
<b>No previous work experience</b> .....	732	742	--	--	--	--	--	--
16 to 19 years .....	599	567	--	--	--	--	--	--
20 to 24 years .....	77	114	--	--	--	--	--	--
25 years and over .....	55	61	--	--	--	--	--	--

<sup>1</sup> Percent not shown where base is less than 100,000.

<sup>2</sup> Data comparable to 1972 category not available. For an explanation of the occupational classification changes, see "Revisions in the Current Population Survey" in the February 1972 issue of *Employment and Earnings*.

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

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>Total</b> .....	100.0	100.0	5.5	5.9	4.4	5.0	7.2	7.5
<b>Nonagricultural private wage and salary workers</b> .....	71.4	72.1	5.4	5.9	4.5	5.2	6.8	7.0
Mining .....	.4	.5	2.6	4.2	1.9	4.3	(1)	(1)
Construction .....	7.6	5.9	8.0	6.8	7.7	6.7	12.9	8.6
<b>Manufacturing</b> .....	22.4	27.5	5.2	6.7	4.1	5.8	8.0	9.1
Durable goods .....	12.6	16.9	5.1	7.0	4.2	6.5	8.5	9.2
Primary metal industries .....	.8	3.0	3.1	11.5	2.7	11.9	(1)	7.4
Fabricated metal products .....	1.5	2.0	5.2	6.6	4.3	6.5	9.5	6.7
Machinery .....	2.0	2.1	4.7	5.2	3.6	4.6	11.1	8.0
Electrical equipment .....	2.1	2.8	4.9	6.9	4.0	5.0	6.5	9.9
Motor vehicles and equipment .....	.9	1.4	3.9	6.4	3.7	6.4	5.2	5.8
All other transportation equipment .....	1.2	1.6	6.2	7.8	5.0	6.2	15.1	18.2
Other durable goods industries .....	4.0	4.0	6.3	6.7	5.6	5.8	8.5	9.1
Nondurable goods .....	9.8	10.7	5.4	6.2	3.9	4.5	7.7	8.9
Food and kindred products .....	2.2	2.4	5.7	6.5	4.5	5.0	8.7	10.5
Textile mill products .....	.7	.9	3.7	4.6	2.6	2.8	5.2	6.7
Apparel and other finished textile products .....	2.3	2.6	7.1	9.0	4.9	9.3	7.7	9.0
Other nondurable goods industries .....	4.6	4.8	5.0	5.5	3.7	4.0	8.1	9.0
<b>Transportation and public utilities</b> .....	3.4	2.7	3.4	2.9	3.0	2.9	4.7	2.9
Railroads and railway express .....	.3	.3	2.1	2.1	2.2	2.3	(1)	(1)
Other transportation .....	2.3	1.8	4.9	4.4	4.4	4.6	7.9	3.6
Communication and other public utilities .....	.9	.6	2.1	1.6	1.5	1.0	3.3	2.7
<b>Wholesale and retail trade</b> .....	20.2	17.5	6.3	5.9	5.0	4.8	7.9	7.4
<b>Finance, insurance, and real estate</b> .....	3.0	2.8	3.4	3.5	2.6	2.2	4.2	4.7
<b>Service industries</b> .....	14.4	15.2	5.3	6.1	4.5	5.7	5.7	6.3
Professional services .....	5.5	5.9	4.1	4.8	3.3	3.1	4.5	5.6
All other service industries .....	8.9	9.2	6.4	7.3	5.5	7.5	7.3	7.1
<b>Agricultural wage and salary workers</b> .....	1.9	2.2	5.6	7.6	4.7	7.8	9.5	6.3
<b>All other classes of workers</b> .....	11.7	11.1	2.6	2.6	2.0	1.8	3.6	4.1
<b>No previous work experience</b> .....	15.1	14.7	--	--	--	--	--	--

<sup>1</sup> Percent not shown where base is less than 100,000.

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

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Negro and other races	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>Unemployment level</b>												
Total unemployed, in thousands . . . . .	4,857	5,061	1,738	1,989	1,772	1,800	1,347	1,272	3,894	4,104	963	956
Lost last job . . . . .	2,006	2,199	1,063	1,257	670	695	273	247	1,620	1,817	386	382
Left last job . . . . .	726	644	259	279	334	275	133	89	605	534	121	110
Reentered labor force . . . . .	1,396	1,475	369	381	682	726	345	368	1,096	1,190	300	285
Never worked before . . . . .	729	742	46	71	87	104	596	567	574	563	155	179
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	43.5	61.2	63.2	37.8	38.6	20.3	19.4	41.6	44.3	40.2	40.0
Left last job . . . . .	15.0	12.7	14.9	14.0	18.8	15.3	9.9	7.0	15.5	13.0	12.6	11.5
Reentered labor force . . . . .	28.7	29.2	21.3	19.2	38.5	40.3	25.6	29.0	28.1	29.0	31.2	29.8
Never worked before . . . . .	15.0	14.7	2.7	3.6	4.9	5.8	44.2	44.6	14.7	13.7	16.1	18.7
<b>Unemployment rate</b>												
Total unemployment rate . . . . .	5.5	5.9	3.5	4.1	6.1	6.4	13.9	14.0	5.0	5.4	9.7	9.9
Job-loser rate <sup>1</sup> . . . . .	2.3	2.6	2.2	2.6	2.3	2.5	2.8	2.7	2.0	2.4	3.9	4.0
Job-leaver rate <sup>1</sup> . . . . .	.8	.8	.5	.6	1.1	1.0	1.4	1.0	.8	.7	1.2	1.1
Reentrant rate <sup>1</sup> . . . . .	1.6	1.7	.7	.8	2.3	2.6	3.6	4.1	1.4	1.6	3.4	3.0
New entrant rate <sup>1</sup> . . . . .	.8	.9	.1	.1	.3	.4	6.1	6.3	.7	.7	1.6	1.9

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

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

August 1972  
(Percent distribution)

Reason, sex, and age	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over . . . . .	4,857	100.0	45.9	33.8	20.3	9.3	11.0
Lost last job . . . . .	2,006	100.0	39.5	29.9	30.7	14.1	16.6
Left last job . . . . .	726	100.0	52.9	28.8	18.3	9.2	9.1
Reentered labor force . . . . .	1,396	100.0	54.2	33.2	12.7	5.6	7.1
Never worked before . . . . .	729	100.0	40.7	50.7	8.7	3.4	5.2
Male, 20 years and over . . . . .	1,738	100.0	39.3	30.6	30.0	13.6	16.4
Lost last job . . . . .	1,063	100.0	37.4	28.0	34.6	16.4	18.2
Left last job . . . . .	259	100.0	45.6	30.9	23.6	10.4	13.1
Reentered labor force . . . . .	369	100.0	43.8	34.8	21.5	8.2	13.3
Never worked before . . . . .	46	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over . . . . .	1,772	100.0	50.3	29.0	20.7	9.4	11.3
Lost last job . . . . .	670	100.0	33.3	33.6	33.1	14.6	18.5
Left last job . . . . .	334	100.0	55.0	27.3	17.7	9.6	8.1
Reentered labor force . . . . .	682	100.0	63.9	24.9	11.1	4.7	6.5
Never worked before . . . . .	87	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years . . . . .	1,347	100.0	48.6	44.1	7.3	3.8	3.6
Lost last job . . . . .	273	100.0	62.8	27.7	9.5	4.4	5.1
Left last job . . . . .	133	100.0	62.7	27.6	9.7	6.0	3.7
Reentered labor force . . . . .	345	100.0	46.2	47.7	6.1	4.7	1.5
Never worked before . . . . .	596	100.0	40.2	53.1	6.7	2.7	4.0

<sup>1</sup>Percent not shown where base is less than 100,000.

A-14: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
Total .....	4,857	5,061	100.0	100.0	1,567	1,754	100.0	100.0
Less than 5 weeks .....	2,229	2,294	45.9	45.3	650	745	41.5	42.5
5 to 14 weeks .....	1,640	1,693	33.8	33.5	427	461	27.2	26.3
5 to 10 weeks .....	1,303	1,236	26.8	24.4	324	336	20.7	19.2
11 to 14 weeks .....	337	457	6.9	9.0	103	125	6.6	7.1
15 weeks and over .....	988	1,074	20.3	21.2	490	547	31.3	31.2
15 to 26 weeks .....	453	527	9.3	10.4	224	239	14.3	13.6
27 weeks and over .....	535	547	11.0	10.8	266	308	17.0	17.6
Average (mean) duration .....	11.6	11.2	--	--	15.4	14.4	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status  
August 1972

Sex, age, color, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
Total .....	4,857	2,229	1,640	453	535	11.6	45.9	45.3	20.3	21.2
16 to 21 years .....	1,829	891	767	76	94	7.9	48.7	46.3	9.3	9.3
16 to 19 years .....	1,347	654	593	51	48	7.5	48.6	44.7	7.4	8.4
20 to 24 years .....	1,121	577	378	81	85	8.9	51.5	50.2	14.8	16.5
25 to 34 years .....	849	424	232	91	102	12.1	49.9	43.6	22.7	26.3
35 to 44 years .....	582	246	190	60	86	13.4	42.2	49.8	25.1	27.8
45 to 54 years .....	484	162	125	85	112	19.5	33.5	41.2	40.6	32.5
55 to 64 years .....	352	121	89	65	76	18.0	34.5	36.5	40.1	34.3
65 years and over .....	123	45	32	20	26	18.7	36.4	36.6	37.8	38.4
Male .....	2,437	1,015	853	254	315	13.0	41.7	41.0	23.3	24.7
16 to 21 years .....	934	436	413	32	53	8.1	46.7	43.2	9.1	11.4
16 to 19 years .....	698	331	320	18	29	7.5	47.4	42.3	6.7	11.3
20 to 24 years .....	545	248	198	49	51	10.4	45.5	45.3	18.2	19.1
25 to 34 years .....	412	174	124	46	68	14.3	42.2	36.7	27.6	29.6
35 to 44 years .....	264	99	80	37	48	15.7	37.6	44.3	32.0	33.1
45 to 54 years .....	243	71	60	55	57	21.8	29.3	37.6	46.0	36.7
55 to 64 years .....	211	70	54	39	48	19.7	32.9	35.2	41.5	38.8
65 years and over .....	64	23	17	11	14	19.2	35.2	37.2	38.9	42.1
Female .....	2,420	1,213	787	199	220	10.2	50.1	50.1	17.3	17.4
16 to 21 years .....	896	455	355	44	41	7.8	50.8	49.8	9.5	7.0
16 to 19 years .....	648	323	273	33	19	7.5	49.7	47.3	8.1	5.1
20 to 24 years .....	576	329	180	33	34	7.5	57.2	55.9	11.6	13.5
25 to 34 years .....	437	250	108	45	34	10.1	57.2	51.9	18.1	22.3
35 to 44 years .....	318	147	110	23	38	11.4	46.1	54.4	19.3	23.4
45 to 54 years .....	242	91	65	30	55	17.3	37.8	44.9	35.2	28.3
55 to 64 years .....	140	52	35	25	28	15.4	36.9	38.2	38.0	28.3
65 years and over .....	59	22	15	10	12	18.1	37.7	35.1	36.5	29.5
White: Total .....	3,894	1,836	1,243	374	441	11.7	47.1	45.6	20.9	21.2
Male .....	1,964	850	653	203	258	13.1	43.3	40.5	23.5	24.6
Female .....	1,930	986	590	171	183	10.3	51.1	51.4	18.3	17.3
Negro and other races: Total .....	963	393	397	79	94	10.9	40.8	44.1	18.0	21.5
Male .....	473	165	200	51	57	12.3	35.0	43.2	22.7	25.0
Female .....	490	227	197	29	37	9.6	46.4	44.9	13.4	17.9
Male: Married, wife present .....	945	366	258	147	174	16.7	38.7	42.0	34.0	31.9
Widowed, divorced, or separated .....	216	85	63	38	30	2.6	39.3	34.2	31.4	37.5
Single (never married) .....	1,276	565	531	69	111	10.0	44.3	41.2	14.1	16.3
Female: Married, husband present .....	1,149	610	316	106	116	10.3	53.1	54.9	19.3	19.3
Widowed, divorced, or separated .....	420	213	116	33	57	2.7	50.8	48.8	21.5	25.5
Single (never married) .....	851	390	354	60	47	9.1	45.8	44.4	12.6	10.8

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

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		Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>OCCUPATION</b>										
White-collar workers .....	1,507	657	476	172	202	12.7	43.6	42.9	24.8	24.9
Professional and managerial .....	516	194	169	75	78	14.5	37.6	40.3	29.7	27.3
Sales workers .....	239	95	79	27	37	15.2	39.8	45.5	27.0	25.3
Clerical workers .....	752	368	227	69	88	10.6	49.0	44.3	20.9	22.9
Blue-collar workers .....	1,786	806	534	208	238	12.9	45.1	45.0	25.0	26.2
Craftsmen and kindred workers .....	403	175	102	62	64	14.8	43.5	39.7	31.2	28.0
Operatives, except transport .....	778	339	223	104	112	13.6	43.6	(3)	27.8	(3)
Transport equipment operatives .....	150	64	60	10	16	11.1	42.6	(3)	17.5	(3)
Nonfarm laborers .....	456	229	149	32	46	10.7	50.1	45.7	17.1	18.9
Service workers .....	746	408	236	46	56	9.3	54.6	54.5	13.7	14.1
<b>INDUSTRY<sup>1</sup></b>										
Agriculture .....	90	57	28	2	3	6.4	(2)	66.6	(2)	14.0
Construction .....	397	225	97	42	34	9.9	56.5	45.3	19.0	17.5
Manufacturing .....	1,098	457	297	169	176	14.8	41.6	44.5	31.4	30.5
Durable goods .....	620	250	168	94	107	15.8	40.4	42.2	32.5	34.5
Nondurable goods .....	478	206	129	74	69	13.5	43.1	48.3	29.9	24.1
Transportation and public utilities .....	175	68	63	13	31	15.2	38.7	45.7	25.3	29.1
Wholesale and retail trade .....	984	465	323	91	105	10.8	47.3	45.8	19.9	23.0
Finance and service industries .....	1,141	527	399	87	128	11.5	46.2	46.9	18.8	18.6
Public administration .....	154	88	40	14	12	9.1	57.1	46.1	16.7	18.5
No previous work experience .....	732	300	369	25	38	9.2	41.0	38.9	8.6	8.3

<sup>1</sup> Includes wage and salary workers only.<sup>2</sup> Percent not shown where base is less than 100,000.<sup>3</sup> Data comparable to 1972 category not available. For an explanation of the occupational classification changes, see "Revisions in the Current Population Survey" in the February 1972 issue of *Employment and Earnings*.

## A-17: Employed persons by sex and age

(In thousands)

Age and type of industry	Total		Male		Female	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>All industries .....</b>	<b>83,505</b>	<b>80,618</b>	<b>52,461</b>	<b>50,905</b>	<b>31,044</b>	<b>29,712</b>
16 to 19 years .....	8,340	7,798	4,812	4,441	3,528	3,358
16 to 17 years .....	3,603	3,413	2,166	2,027	1,437	1,386
18 and 19 years .....	4,737	4,385	2,646	2,414	2,091	1,972
20 to 24 years .....	11,524	10,748	6,577	6,047	4,947	4,701
25 to 54 years .....	49,716	48,185	32,171	31,411	17,546	16,774
25 to 34 years .....	17,789	16,466	11,951	11,245	5,838	5,220
35 to 44 years .....	15,537	15,374	10,084	9,995	5,453	5,380
45 to 54 years .....	16,390	16,345	10,136	10,171	6,254	6,174
55 to 64 years .....	10,920	10,842	6,917	6,951	4,003	3,891
55 to 59 years .....	6,451	6,499	4,034	4,125	2,416	2,375
60 to 64 years .....	4,469	4,343	2,883	2,827	1,587	1,517
65 years and over .....	3,005	3,044	1,985	2,056	1,021	988
<b>Nonagricultural industries .....</b>	<b>79,475</b>	<b>76,853</b>	<b>49,232</b>	<b>47,842</b>	<b>30,242</b>	<b>29,012</b>
16 to 19 years .....	7,629	7,194	4,230	3,933	3,399	3,262
16 and 17 years .....	3,175	3,063	1,815	1,719	1,360	1,344
18 and 19 years .....	4,455	4,132	2,415	2,214	2,040	1,918
20 to 24 years .....	11,193	10,452	6,294	5,807	4,899	4,645
25 to 54 years .....	47,850	46,423	30,760	30,068	17,091	16,355
25 to 34 years .....	17,255	15,955	11,530	10,845	5,725	5,110
35 to 44 years .....	14,906	14,808	9,622	9,582	5,284	5,226
45 to 54 years .....	15,690	15,660	9,608	9,641	6,082	6,019
55 to 64 years .....	10,240	10,226	6,355	6,421	3,885	3,804
55 to 59 years .....	6,075	6,172	3,731	3,847	2,343	2,325
60 to 64 years .....	4,165	4,053	2,623	2,574	1,541	1,479
65 years and over .....	2,562	2,558	1,594	1,613	968	946
<b>Agriculture .....</b>	<b>4,031</b>	<b>3,764</b>	<b>3,229</b>	<b>3,064</b>	<b>802</b>	<b>700</b>
16 to 19 years .....	711	604	582	508	129	96
16 and 17 years .....	429	350	351	308	77	42
18 and 19 years .....	282	254	231	200	51	54
20 to 24 years .....	331	296	283	240	47	56
25 to 54 years .....	1,866	1,762	1,410	1,342	455	419
25 to 34 years .....	534	511	421	401	114	110
35 to 44 years .....	631	566	461	412	169	154
45 to 54 years .....	700	685	528	529	172	155
55 to 64 years .....	681	617	562	530	118	87
55 to 59 years .....	376	327	303	278	73	50
60 to 64 years .....	304	290	259	252	45	37
65 years and over .....	443	486	391	444	52	42

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.



## A-18: Employed persons by occupational 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	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
Total .....	83,505	80,618	47,649	46,465	27,516	26,355	4,812	4,441	3,528	3,358
White-collar workers .....	38,924	38,127	19,421	19,516	17,031	16,222	728	708	1,744	1,682
Professional and technical .....	11,022	10,506	6,665	6,462	4,082	3,838	138	103	137	103
Health workers .....	1,922	1,751	730	671	1,165	1,059	8	2	19	20
Teachers, except college .....	2,253	2,172	618	597	1,602	1,565	11	2	22	8
Other professional and technical .....	6,847	6,583	5,317	5,194	1,315	1,214	119	99	96	76
Managers and administrators, except farm ..	8,199	8,956	6,691	7,359	1,409	1,536	79	47	20	15
Salaried workers .....	6,407	6,619	5,257	5,488	1,064	1,073	65	42	21	15
Self-employed workers in retail trade ..	934	1,193	691	863	242	328	2	3	--	--
Self-employed workers, except retail trade	859	1,144	743	1,008	104	135	12	1	--	--
Sales workers .....	5,389	5,105	2,846	2,638	1,877	1,828	243	237	422	402
Retail trade .....	3,243	3,040	1,045	933	1,604	1,533	195	196	398	379
Other industries .....	2,146	2,065	1,801	1,705	273	296	48	42	24	23
Clerical workers .....	14,314	13,560	3,219	3,057	9,662	9,020	268	321	1,164	1,162
Stenographers, typists, and secretaries ..	4,195	3,732	84	66	3,690	3,347	3	7	418	313
Other clerical workers .....	10,119	9,828	3,135	2,992	5,972	5,673	265	314	746	849
Blue-collar workers .....	29,983	28,344	22,463	21,177	4,422	4,304	2,700	2,531	398	331
Craftsmen and kindred workers .....	11,182	10,456	10,410	9,689	329	392	427	358	16	17
Carpenters .....	1,131	979	1,069	927	2	4	60	48	--	--
Construction craftsmen, except carpenters	2,473	(1)	2,302	(1)	15	(1)	153	(1)	3	(1)
Mechanics and repairmen .....	2,768	2,439	2,628	2,332	21	20	119	87	1	1
Metal craftsmen .....	1,065	1,165	1,038	1,126	6	25	19	15	2	--
Foremen, not elsewhere classified .....	1,420	1,351	1,319	1,255	98	89	3	7	--	--
All other .....	2,325	(1)	2,053	(1)	187	(1)	74	(1)	11	(1)
Operatives, except transport .....	10,740	(1)	5,889	(1)	3,767	(1)	775	(1)	309	(1)
Durable goods manufacturing .....	4,726	(1)	3,218	(1)	1,182	(1)	246	(1)	82	(1)
Nondurable goods manufacturing .....	3,768	(1)	1,436	(1)	2,019	(1)	159	(1)	154	(1)
Other industries .....	2,247	(1)	1,236	(1)	567	(1)	371	(1)	73	(1)
Transport equipment operatives .....	3,156	(1)	2,882	(1)	104	(1)	167	(1)	3	(1)
Drivers and deliverymen .....	2,688	2,608	2,446	2,368	99	76	140	162	3	1
All other .....	468	(1)	436	(1)	6	(1)	27	(1)	--	(1)
Nonfarm laborers .....	4,905	5,604	3,281	3,086	222	230	1,331	1,243	71	45
Construction .....	980	1,030	707	774	6	6	266	246	--	4
Manufacturing .....	1,110	1,097	832	820	82	85	178	184	18	8
Other industries .....	2,814	2,478	1,743	1,492	134	139	886	813	52	34
Service workers .....	11,041	10,781	3,447	3,492	5,462	5,282	859	752	1,274	1,255
Private household workers .....	1,304	1,449	11	28	969	1,009	11	17	314	394
Service workers, except private household ..	9,737	9,333	3,436	3,464	4,493	4,273	848	735	960	861
Food service workers .....	3,301	(1)	603	(1)	1,699	(1)	437	(1)	562	(1)
Protective service workers .....	1,171	1,099	1,092	1,040	51	40	23	18	5	1
All other .....	5,265	(1)	1,741	(1)	2,743	(1)	388	(1)	393	(1)
Farm workers .....	3,557	3,365	2,319	2,280	601	547	525	450	112	89
Farmers and farm managers ..	1,780	1,739	1,627	1,621	134	103	14	12	6	3
Farm laborers and foremen .....	1,776	1,626	692	659	467	444	510	438	107	86
Paid workers .....	1,190	1,034	622	600	153	129	361	270	54	35
Unpaid family workers .....	587	592	70	59	314	315	150	168	53	51

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

1 Data comparable to 1972 category not available. For an explanation of the occupational classification changes, see "Revisions in the Current Population Survey" in the February 1972 issue of Employment and Earnings.

**A-19: Employed persons by major occupational group, sex, and color**  
(Percent distribution)

Occupational group and color	Total		Male		Female	
	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>Total</b> .....						
Total employed (thousands) .....	83,505	80,618	52,461	50,905	31,044	29,712
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	46.6	47.3	38.4	39.7	60.5	60.3
Professional and technical .....	13.2	13.0	13.0	12.9	13.6	13.3
Managers and administrators, except farm .....	9.8	11.1	12.9	14.5	4.6	5.2
Sales workers .....	6.5	6.3	5.9	5.6	7.4	7.5
Clerical workers .....	17.1	16.8	6.6	6.6	34.9	34.3
<b>Blue-collar workers</b> .....	35.9	35.2	48.0	46.6	15.5	15.6
Craftsmen and kindred workers .....	13.4	13.0	20.7	19.7	1.1	1.4
Operatives, except transport .....	12.9	(1)	12.7	(1)	13.1	(1)
Transport equipment operatives .....	3.8	(1)	5.8	(1)	.3	(1)
Nonfarm laborers .....	5.9	5.7	8.8	8.5	.9	.9
<b>Service workers</b> .....	13.2	13.4	8.2	8.3	21.7	22.0
Private household workers .....	1.6	1.8	(2)	.1	4.1	4.7
Other service workers .....	11.7	11.6	8.2	8.2	17.6	17.3
<b>Farm workers</b> .....	4.3	4.2	5.4	5.4	2.3	2.1
Farmers and farm managers .....	2.1	2.2	3.1	3.2	.5	.4
Farm laborers and foremen .....	2.1	2.0	2.3	2.2	1.8	1.8
<b>White</b> .....						
Total employed (thousands) .....	74,562	71,922	47,340	45,961	27,223	25,962
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	48.7	49.5	40.2	41.6	63.3	63.5
Professional and technical .....	13.7	13.6	13.5	13.5	13.9	13.8
Managers and administrators, except farm .....	10.6	11.9	13.8	15.6	5.0	5.6
Sales workers .....	6.9	6.8	6.3	6.0	8.0	8.2
Clerical workers .....	17.5	17.2	6.6	6.6	36.4	36.0
<b>Blue-collar workers</b> .....	35.5	34.6	47.0	45.6	15.4	15.2
Craftsmen and kindred workers .....	13.9	13.6	21.2	20.4	1.1	1.4
Operatives, except transport .....	12.6	(1)	12.4	(1)	12.9	(1)
Transport equipment operatives .....	3.7	(1)	5.6	(1)	.4	(1)
Nonfarm laborers .....	5.4	5.2	7.9	7.5	1.0	.9
<b>Service workers</b> .....	11.6	11.7	7.3	7.5	19.0	19.2
Private household workers .....	1.0	1.2	(2)	.1	2.7	3.2
Other service workers .....	10.6	10.5	7.3	7.4	16.3	16.0
<b>Farm workers</b> .....	4.3	4.1	5.4	5.3	2.3	2.0
Farm and farm managers .....	2.3	2.3	3.4	3.4	.5	.4
Farm laborers and foremen .....	2.0	1.8	2.1	1.9	1.8	1.7
<b>Negro and other races</b> .....						
Total employed (thousands) .....	8,943	8,695	5,121	4,945	3,821	3,750
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	29.6	29.0	21.5	22.1	40.5	38.1
Professional and technical .....	9.2	8.5	7.8	7.4	11.1	9.8
Managers and administrators, except farm .....	3.7	4.2	5.0	5.2	2.0	2.9
Sales workers .....	2.5	2.5	1.9	2.2	3.3	2.9
Clerical workers .....	14.1	13.8	6.8	7.2	24.0	22.4
<b>Blue-collar workers</b> .....	39.4	39.5	56.5	55.8	16.5	18.0
Craftsmen and kindred workers .....	9.2	8.0	15.4	13.3	.9	1.0
Operatives, except transport .....	15.3	(1)	15.7	(1)	14.7	(1)
Transport equipment operatives .....	4.8	(1)	8.2	(1)	.2	(1)
Nonfarm laborers .....	10.1	10.3	17.1	17.4	.7	1.0
<b>Service workers</b> .....	27.0	27.1	16.7	16.4	40.8	41.2
Private household workers .....	6.3	6.6	.2	.2	14.5	15.1
Other service workers .....	20.7	20.4	16.5	16.1	26.3	26.1
<b>Farm workers</b> .....	4.0	4.5	5.3	5.7	2.2	2.8
Farm and farm managers .....	.6	1.0	1.0	1.6	.2	.2
Farm laborers and foremen .....	3.3	3.5	4.3	4.1	2.0	2.6

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

<sup>1</sup>Data comparable to 1972 category not available. For an explanation of the occupational classification changes, see "Revisions in the Current Population Survey" in the February 1972 issue of Employment and Earnings.

<sup>2</sup>Less than 0.05 percent.

**A-20: Employed persons by class of worker, sex, and age**  
August 1972  
(In thousands)

Age and sex	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
<b>Total</b> .....	73,529	1,630	12,826	59,073	5,407	539	1,508	1,926	596
16 to 19 years.....	7,463	470	848	6,146	89	77	472	38	201
16 and 17 years.....	3,075	355	374	2,346	48	52	300	17	111
18 and 19 years.....	4,388	115	473	3,800	41	26	171	20	91
20 to 24 years.....	10,930	89	1,530	9,310	237	27	217	55	58
25 to 34 years.....	16,289	119	2,871	13,300	900	66	244	227	64
35 to 44 years.....	13,656	168	2,640	10,847	1,141	109	196	343	91
45 to 54 years.....	14,145	274	2,913	10,958	1,396	149	161	438	101
55 to 64 years.....	9,026	295	1,729	7,002	1,130	83	144	476	60
55 to 59 years.....	5,371	130	1,020	4,221	657	47	87	250	39
60 to 64 years.....	3,655	165	709	2,781	474	36	57	226	21
65 years and over.....	2,019	215	294	1,509	515	29	74	349	20
<b>Male</b> .....	45,071	284	7,180	37,608	4,078	83	1,230	1,778	221
16 to 19 years.....	4,115	145	428	3,542	63	52	401	32	149
16 and 17 years.....	1,743	126	202	1,415	36	35	257	16	78
18 and 19 years.....	2,372	19	226	2,127	26	17	145	16	71
20 to 24 years.....	6,133	24	711	5,397	151	10	184	53	46
25 to 34 years.....	10,854	8	1,676	9,170	673	3	193	213	15
35 to 44 years.....	8,713	9	1,503	7,200	907	3	146	317	--
45 to 54 years.....	8,541	15	1,670	6,856	1,064	2	122	403	3
55 to 64 years.....	5,504	37	988	4,480	845	6	114	445	3
55 to 59 years.....	3,243	12	595	2,636	484	4	68	234	1
60 to 64 years.....	2,261	25	392	1,844	361	2	45	211	2
65 years and over.....	1,212	46	204	962	376	6	69	315	6
<b>Female</b> .....	28,457	1,346	5,646	21,465	1,328	457	278	148	376
16 to 19 years.....	3,349	325	420	2,604	26	25	70	6	53
16 and 17 years.....	1,332	229	172	930	12	16	44	1	33
18 and 19 years.....	2,017	96	247	1,674	14	9	27	5	20
20 to 24 years.....	4,797	65	819	3,913	86	17	32	2	13
25 to 34 years.....	5,435	111	1,195	4,129	227	63	51	14	49
35 to 44 years.....	4,943	159	1,137	3,647	234	107	51	27	92
45 to 54 years.....	5,604	259	1,243	4,102	331	147	39	34	99
55 to 64 years.....	3,522	258	742	2,522	286	77	31	31	57
55 to 59 years.....	2,128	118	425	1,585	173	43	19	17	38
60 to 64 years.....	1,394	140	317	937	113	34	12	14	19
65 years and over.....	807	170	91	547	139	22	5	34	14

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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					
	Aug. 1972	Aug. 1971	Total		Wage and salary workers <sup>1</sup>			
			Aug. 1972	Aug. 1971	Paid absence <sup>2</sup>		Unpaid absence <sup>2</sup>	
					Aug. 1972	Aug. 1971	Aug. 1972	Aug. 1971
<b>Total</b> .....	10,040	10,445	9,877	10,268	5,762	6,090	3,456	3,558
Vacation .....	8,000	8,139	7,910	8,053	5,275	5,569	2,231	2,110
Illness .....	1,160	1,165	1,125	1,137	349	356	671	669
Bad weather .....	24	70	14	41	--	--	--	--
Industrial dispute .....	84	192	84	192	--	--	--	--
All other reasons .....	771	879	744	846	139	164	554	779
<b>Male</b> .....	5,075	5,557	4,933	5,397	3,383	3,674	1,201	1,370
Vacation .....	3,976	4,195	3,895	4,122	3,065	3,304	607	610
Illness .....	687	739	656	711	213	267	388	374
All other reasons .....	412	623	382	564	105	104	206	385
<b>Female</b> .....	4,965	4,888	4,944	4,871	2,379 <sup>1</sup>	2,416	2,254	2,188
Vacation .....	4,024	3,944	4,015	3,930	2,210	2,264	1,624	1,499
Illness .....	473	427	469	425	135	89	283	295
All other reasons .....	468	517	460	516	34	62	348	395

<sup>1</sup>Excludes private household.

<sup>2</sup>Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

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

August 1972

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
<b>Total at work</b> .....	73,465	69,598	3,867	100.0	100.0	100.0
1-34 hours .....	14,942	13,869	1,073	20.3	19.9	27.7
1-4 hours .....	682	631	50	.9	.9	1.3
5-14 hours .....	2,698	2,488	211	3.7	3.6	5.5
15-29 hours .....	7,287	6,698	589	9.9	9.6	15.2
30-34 hours .....	4,275	4,052	223	5.8	5.8	5.8
35 hours and over .....	58,522	55,729	2,794	79.7	80.1	72.3
35-39 hours .....	5,336	5,142	194	7.3	7.4	5.0
40 hours .....	31,469	30,961	509	42.8	44.5	13.2
41 hours and over .....	21,717	19,626	2,091	29.6	28.2	54.1
41 to 48 hours .....	8,966	8,615	351	12.2	12.4	9.1
49 to 59 hours .....	6,540	6,129	411	8.9	8.8	10.6
60 hours and over .....	6,211	4,882	1,329	8.5	7.0	34.4
Average hours, total at work .....	40.2	39.7	47.6	--	--	--
Average hours, workers on full-time schedules .....	43.8	43.2	56.3	--	--	--

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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

August 1972  
(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.....	14,942	5,129	9,813	13,869	4,817	9,051
Economic reasons .....	3,431	1,336	2,095	3,117	1,190	1,927
Slack work.....	1,300	891	409	1,090	762	328
Material shortages or repairs to plant and equipment.....	110	110	--	106	106	--
New job started during week.....	216	216	--	206	206	--
Job terminated during week.....	118	118	--	117	117	--
Could find only part-time work.....	1,686	--	1,686	1,598	--	1,598
Other reasons .....	11,509	3,791	7,718	10,752	3,627	7,125
Does not want, or unavailable for, full-time work .....	5,654	--	5,654	5,237	--	5,237
Vacation .....	1,099	1,099	--	1,048	1,048	--
Illness.....	1,475	1,218	257	1,397	1,194	203
Bad weather.....	275	275	--	226	226	--
Industrial dispute.....	17	17	--	17	17	--
Legal or religious holiday.....	11	11	--	11	11	--
Full time for this job.....	1,451	--	1,451	1,390	--	1,390
All other reasons.....	1,529	1,173	356	1,426	1,131	295
Average hours:						
Economic reasons.....	20.3	23.0	18.5	20.2	22.9	18.6
Other reasons.....	21.4	25.7	19.3	21.6	25.8	19.4
Worked 30 to 34 hours:						
Economic reasons.....	812	486	326	725	426	299
Other reasons.....	3,463	1,964	1,499	3,327	1,912	1,415

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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

August 1972

Industry	Percent distribution							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, <sup>1/</sup> .....	100.0	4.5	10.2	85.3	57.1	12.4	15.8	39.7	43.2
Wage and salary workers .....	100.0	4.5	9.8	85.6	59.3	12.5	13.8	39.3	42.6
Construction .....	100.0	5.8	3.1	91.0	64.9	12.4	13.7	40.0	41.9
Manufacturing .....	100.0	2.7	2.2	95.0	64.2	16.7	14.1	41.5	42.5
Durable goods .....	100.0	1.8	1.6	96.5	65.0	17.0	14.5	41.9	42.6
Nondurable goods.....	100.0	3.9	3.1	92.9	63.1	16.4	13.4	41.1	42.5
Transportation and public utilities .....	100.0	2.1	3.7	94.2	64.5	12.4	17.3	42.1	43.5
Wholesale and retail trade .....	100.0	7.0	16.9	76.0	46.0	14.0	16.0	38.2	43.7
Finance, insurance, and real estate.....	100.0	1.8	8.5	89.7	66.7	10.0	13.0	39.4	41.7
Service industries .....	100.0	6.3	18.0	75.7	56.5	8.0	11.2	36.2	42.0
Private households .....	100.0	21.2	43.4	35.4	23.3	4.9	7.2	24.1	43.5
All other service .....	100.0	4.7	15.2	80.0	60.1	8.3	11.6	37.5	41.9
Public administration .....	100.0	1.5	5.0	93.4	73.3	8.4	11.7	40.5	41.9
Self-employed workers .....	100.0	4.4	13.8	81.9	30.8	10.7	40.4	44.9	51.0
Unpaid family workers.....	100.0	2.2	34.3	63.4	26.3	7.8	29.3	40.7	50.6

<sup>1/</sup>Mining not shown separately but included in totals.

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

August 1972

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
(In thousands)								
<b>TOTAL</b>								
Total, 16 years and over.....	69,598	3,117	7,125	59,356	39,730	19,626	39.7	43.2
16 to 21 years .....	11,463	1,480	2,139	7,844	5,802	2,042	34.7	41.5
16 to 19 years .....	7,239	1,200	1,713	4,326	3,234	1,092	32.4	41.1
16 and 17 years .....	2,993	659	1,095	1,239	924	315	27.6	40.5
18 and 19 years .....	4,246	541	618	3,087	2,309	778	35.8	41.3
20 years and over .....	62,359	1,916	5,412	55,031	36,497	18,534	40.6	43.4
20 to 24 years .....	10,214	512	863	8,839	6,352	2,487	39.3	42.2
25 years and over .....	52,145	1,404	4,549	46,192	30,144	16,048	40.8	43.6
25 to 44 years .....	27,891	718	1,934	25,239	16,090	9,149	41.4	43.7
45 to 64 years .....	22,035	591	1,703	19,741	13,247	6,494	41.0	43.4
65 years and over .....	2,219	95	913	1,211	807	404	31.2	43.5
<b>Males, 16 years and over</b> .....	44,300	1,588	2,278	40,434	24,379	16,055	42.3	44.5
16 to 21 years .....	6,323	795	976	4,552	3,060	1,492	36.3	42.6
16 to 19 years .....	4,019	659	822	2,538	1,780	758	33.7	41.9
16 and 17 years .....	1,708	384	565	759	555	204	28.7	41.1
18 and 19 years .....	2,311	274	257	1,780	1,226	554	37.4	42.3
20 years and over .....	40,281	930	1,456	37,895	22,598	15,297	43.2	44.6
20 to 24 years .....	5,874	257	309	5,308	3,346	1,962	41.5	43.7
25 years and over .....	34,407	672	1,146	32,589	19,254	13,335	43.5	44.8
25 to 44 years .....	19,016	366	271	18,379	10,563	7,816	44.1	44.9
45 to 64 years .....	13,968	253	333	13,382	8,167	5,215	43.7	44.7
65 years and over .....	1,422	54	543	825	522	303	32.5	44.0
<b>Females, 16 years and over</b> .....	25,298	1,529	4,847	18,922	15,351	3,571	35.2	40.5
16 to 21 years .....	5,140	685	1,163	3,292	2,742	550	32.7	39.9
16 to 19 years .....	3,220	542	891	1,787	1,453	334	30.8	39.9
16 and 17 years .....	1,284	275	531	478	368	110	26.0	39.5
18 and 19 years .....	1,935	267	361	1,307	1,084	223	34.0	40.1
20 years and over .....	22,078	987	3,956	17,135	13,898	3,237	35.9	40.6
20 to 24 years .....	4,340	255	554	3,531	3,005	526	36.3	39.8
25 years and over .....	17,738	733	3,402	13,603	10,890	2,713	35.7	40.8
25 to 44 years .....	8,875	354	1,662	6,859	5,524	1,335	35.8	40.6
45 to 64 years .....	8,066	339	1,370	6,357	5,081	1,276	36.4	40.9
65 years and over .....	797	41	370	386	285	101	28.9	42.5
<b>COLOR</b>								
White .....	62,105	2,533	6,350	53,222	34,861	18,361	40.0	43.4
Male .....	39,926	1,302	2,017	36,607	21,481	15,126	42.6	44.7
Female .....	22,179	1,231	4,333	16,615	13,379	3,236	35.3	40.6
Negro and other races .....	7,493	585	775	6,133	4,867	1,266	37.4	41.3
Male .....	4,374	286	260	3,828	2,899	929	39.3	42.0
Female .....	3,119	297	514	2,308	1,972	336	34.8	40.1
<b>MARITAL STATUS</b>								
<b>Male:</b>								
Married, wife present .....	32,661	574	966	31,121	18,050	13,071	43.7	44.9
Widowed, divorced, or separated .....	2,393	83	151	2,159	1,338	821	41.7	44.2
Single (never married) .....	9,245	931	1,161	7,153	4,990	2,163	37.5	42.6
<b>Female:</b>								
Married, husband present .....	13,805	558	2,968	10,279	8,373	1,906	35.1	40.4
Widowed, divorced, or separated .....	4,797	268	691	3,838	2,987	851	36.6	41.0
Single (never married) .....	6,695	702	1,188	4,805	3,990	815	34.5	40.2

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

A-25: Persons at work in nonagricultural industries by full- or part-time status,  
sex, age, color, and marital status--Continued  
August 1972

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules		
				Total	40 hours or less	41 hours or more
(Percent distribution)						
<b>TOTAL</b>						
Total, 16 years and over.....	100.0	4.5	10.2	85.3	57.1	28.2
16 to 21 years .....	100.0	12.9	18.7	68.4	50.6	17.8
16 to 19 years .....	100.0	16.6	23.7	59.8	44.7	15.1
16 and 17 years .....	100.0	22.0	36.6	41.4	30.9	10.5
18 and 19 years .....	100.0	12.7	14.6	72.7	54.4	18.3
20 years and over .....	100.0	3.1	8.7	88.2	58.5	29.7
20 to 24 years .....	100.0	5.0	8.5	86.5	62.2	24.3
25 years and over .....	100.0	2.7	8.7	88.6	57.8	30.8
25 to 44 years .....	100.0	2.6	6.9	90.5	57.7	32.8
45 to 64 years .....	100.0	2.7	7.7	89.6	60.1	29.5
65 years and over .....	100.0	4.3	41.1	54.6	36.4	18.2
<b>Males, 16 years and over</b> .....	100.0	3.6	5.1	91.2	55.0	36.2
16 to 21 years .....	100.0	12.6	15.4	72.0	48.4	23.6
16 and 19 years .....	100.0	16.4	20.5	63.2	44.3	18.9
16 and 17 years .....	100.0	22.5	33.1	44.4	32.5	11.9
18 and 19 years .....	100.0	11.9	11.1	77.1	53.1	24.0
20 years and over .....	100.0	2.3	3.6	94.1	56.1	38.0
20 to 24 years .....	100.0	4.4	5.3	90.4	57.0	33.4
25 years and over .....	100.0	2.0	3.3	94.8	56.0	38.8
25 to 44 years .....	100.0	1.9	1.4	96.6	55.5	41.1
45 to 64 years .....	100.0	1.8	2.4	95.8	58.5	37.3
65 years and over .....	100.0	3.8	38.2	58.0	36.7	21.3
<b>Females, 16 years and over</b> .....	100.0	6.0	19.2	74.8	60.7	14.1
16 to 21 years .....	100.0	13.3	22.6	64.0	53.3	10.7
16 and 19 years .....	100.0	16.8	27.7	55.5	45.1	10.4
16 and 17 years .....	100.0	21.4	41.4	37.3	28.7	8.6
18 and 19 years .....	100.0	13.8	18.7	67.5	56.0	11.5
20 years and over .....	100.0	4.5	17.9	77.6	62.9	14.7
20 to 24 years .....	100.0	5.9	12.8	81.3	69.2	12.1
25 years and over .....	100.0	4.1	19.2	76.7	61.4	15.3
25 to 44 years .....	100.0	4.0	18.7	77.2	62.2	15.0
45 to 64 years .....	100.0	4.2	17.0	78.8	63.0	15.8
65 years and over .....	100.0	5.1	46.4	48.5	35.8	12.7
<b>COLOR</b>						
White .....	100.0	4.1	10.2	85.7	56.1	29.6
Male .....	100.0	3.3	5.1	91.7	53.8	37.9
Female .....	100.0	5.6	19.5	74.9	60.3	14.6
Negro and other races .....	100.0	7.8	10.3	81.9	65.0	16.9
Male .....	100.0	6.5	5.9	87.5	66.3	21.2
Female .....	100.0	9.5	16.5	74.0	63.2	10.8
<b>MARITAL STATUS</b>						
Male:						
Married, wife present .....	100.0	1.8	3.0	95.3	55.3	40.0
Widowed, divorced, or separated .....	100.0	3.5	6.3	90.2	55.9	34.3
Single (never married) .....	100.0	10.1	12.6	77.4	54.0	23.4
Female:						
Married, husband present .....	100.0	4.0	21.5	74.5	60.7	13.8
Widowed, divorced, or separated .....	100.0	5.6	14.4	80.0	62.3	17.7
Single (never married) .....	100.0	10.5	17.7	71.8	59.6	12.2

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

August 1972

Occupational group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
(Thousands of persons)									
<b>TOTAL</b>									
White-collar workers .....	33,204	834	3,662	28,708	19,178	3,526	6,004	40.3	43.6
Professional and technical .....	8,147	152	781	7,214	4,955	765	1,494	40.3	43.0
Managers and administrators, except farm .....	7,374	41	311	7,022	3,152	1,130	2,740	47.0	48.4
Sales workers .....	4,840	222	968	3,650	2,100	482	1,068	38.5	44.8
Clerical workers .....	12,844	419	1,603	10,822	8,969	1,149	704	37.2	40.3
Blue-collar workers .....	27,087	1,427	1,259	24,401	16,062	4,259	4,080	40.7	42.9
Craftsmen and kindred workers .....	10,077	319	260	9,498	6,040	1,660	1,798	42.0	43.3
Operatives, except transport .....	9,640	468	374	8,798	6,201	1,515	1,082	40.3	42.0
Transport equipment operatives .....	2,801	125	105	2,571	1,292	494	785	44.0	46.1
Nonfarm laborers .....	4,569	515	520	3,534	2,531	590	413	36.3	41.6
Service workers .....	9,753	906	2,279	6,568	4,654	874	1,040	35.2	43.0
Private household .....	1,209	226	519	464	307	66	91	25.6	43.2
Other service workers .....	8,544	680	1,760	6,104	4,347	807	950	36.6	43.0
<b>MALE</b>									
White-collar workers .....	17,905	235	881	16,789	9,221	2,397	5,171	44.3	45.9
Professional and technical .....	5,728	67	295	5,366	3,445	600	1,321	42.5	44.1
Managers and administrators, except farm .....	6,143	29	187	5,927	2,454	971	2,502	48.0	49.1
Sales workers .....	2,853	65	228	2,560	1,248	357	955	43.6	46.5
Clerical workers .....	3,181	74	171	2,936	2,073	470	393	40.8	42.4
Blue-collar workers .....	22,861	1,131	925	20,805	13,236	3,720	3,849	41.2	43.3
Craftsmen and kindred workers .....	9,790	298	226	9,266	5,871	1,618	1,777	42.1	43.3
Operatives, except transport .....	6,020	213	152	5,655	3,695	1,059	901	41.8	43.1
Transport equipment operatives .....	2,745	120	84	2,541	1,276	487	778	44.2	46.1
Nonfarm laborers .....	4,305	500	463	3,342	2,394	556	392	36.4	41.6
Service workers .....	3,900	266	518	3,116	2,064	405	647	39.5	44.4
Private household .....	22	2	17	4	--	2	2	20.0	47.5
Other service workers .....	3,878	264	501	3,113	2,064	403	646	39.7	44.4
<b>FEMALE</b>									
White-collar workers .....	15,300	599	2,781	11,920	9,958	1,129	833	35.6	40.2
Professional and technical .....	2,419	85	486	1,848	1,510	166	172	34.9	40.0
Managers and administrators, except farm .....	1,232	12	124	1,096	698	160	238	41.9	44.6
Sales workers .....	1,987	157	739	1,091	853	125	113	31.1	40.8
Clerical workers .....	9,663	345	1,431	7,887	6,898	679	310	36.0	39.6
Blue-collar workers .....	4,227	296	334	3,597	2,827	539	231	37.6	40.4
Craftsmen and kindred workers .....	286	21	35	230	168	41	21	37.1	41.3
Operatives, except transport .....	3,620	254	222	3,144	2,507	456	181	37.9	40.2
Transport equipment operatives .....	56	5	20	31	15	8	8	33.4	45.3
Nonfarm laborers .....	264	16	57	191	136	34	21	35.4	41.6
Service workers .....	5,853	640	1,761	3,452	2,591	469	392	32.3	41.7
Private household .....	1,187	224	502	461	308	65	88	25.7	43.1
Other service workers .....	4,666	416	1,259	2,991	2,283	404	304	34.0	41.5

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.



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

August 1972

Occupational group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			
				Total	40 hours or less	41 to 48 hours	49 hours or more
				(Percent distribution)			
<b>TOTAL</b>							
White-collar workers .....	100.0	2.5	11.0	86.5	57.8	10.6	18.1
Professional and technical .....	100.0	1.9	9.6	88.5	60.8	9.4	18.3
Managers and administrators, except farm .....	100.0	.6	4.2	95.2	42.7	15.3	37.2
Sales workers .....	100.0	4.6	20.0	75.5	43.4	10.0	22.1
Clerical workers .....	100.0	3.3	12.5	84.2	69.8	8.9	5.5
Blue-collar workers .....	100.0	5.3	4.6	90.1	59.3	15.7	15.1
Craftsmen and kindred workers .....	100.0	3.2	2.6	94.2	59.9	16.5	17.8
Operatives, except transport .....	100.0	4.9	3.9	91.2	64.3	15.7	11.2
Transport equipment operatives .....	100.0	4.5	3.7	91.7	46.1	17.6	28.0
Nonfarm laborers .....	100.0	11.3	11.4	77.3	55.4	12.9	9.0
Service workers .....	100.0	9.3	23.4	67.4	47.7	9.0	10.7
Private household .....	100.0	18.7	42.9	38.4	25.4	5.5	7.5
Other service workers .....	100.0	8.0	20.6	71.4	50.9	9.4	11.1
<b>MALE</b>							
White-collar workers .....	100.0	1.3	4.9	93.8	51.5	13.4	28.9
Professional and technical .....	100.0	1.2	5.2	93.7	60.1	10.5	23.1
Managers and administrators, except farm .....	100.0	.5	3.0	96.4	39.9	15.8	40.7
Sales workers .....	100.0	2.3	8.0	89.7	43.7	12.5	33.5
Clerical workers .....	100.0	2.3	5.4	92.4	65.2	14.8	12.4
Blue-collar workers .....	100.0	4.9	4.0	91.0	57.9	16.3	16.8
Craftsmen and kindred workers .....	100.0	3.0	2.3	94.7	60.0	16.5	18.2
Operatives, except transport .....	100.0	3.5	2.5	94.0	61.4	17.6	15.0
Transport equipment operatives .....	100.0	4.4	3.1	92.5	46.5	17.7	28.3
Nonfarm laborers .....	100.0	11.6	10.8	77.6	55.6	12.9	9.1
Service workers .....	100.0	6.8	13.3	79.9	52.9	10.4	16.6
Private household .....	100.0	(1)	(1)	(1)	(1)	(1)	(1)
Other service workers .....	100.0	6.8	12.9	80.3	53.2	10.4	16.7
<b>FEMALE</b>							
White-collar workers .....	100.0	3.9	18.2	77.9	65.1	7.4	5.4
Professional and technical .....	100.0	3.5	20.1	76.4	62.4	6.9	7.1
Managers and administrators, except farm .....	100.0	1.0	10.1	89.0	56.7	13.0	19.3
Sales workers .....	100.0	7.9	37.2	54.9	42.9	6.3	5.7
Clerical workers .....	100.0	3.6	14.8	81.6	71.4	7.0	3.2
Blue-collar workers .....	100.0	7.0	7.9	85.2	66.9	12.8	5.5
Craftsmen and kindred workers .....	100.0	7.3	12.2	80.3	58.7	14.3	7.3
Operatives, except transport .....	100.0	7.0	6.1	86.9	69.3	12.6	5.0
Transport equipment operatives .....	100.0	(1)	(1)	(1)	(1)	(1)	(1)
Nonfarm laborers .....	100.0	6.1	21.6	72.4	51.5	12.9	8.0
Service workers .....	100.0	10.9	30.1	59.0	44.3	8.0	6.7
Private household .....	100.0	18.9	42.3	38.8	25.9	5.5	7.4
Other service workers .....	100.0	8.9	27.0	64.1	48.9	8.7	6.5

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

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

August 1972  
(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 .....	8,293	4,216	4,076	7,095	3,618	3,476	1,198	598	600
Civilian labor force .....	2,394	1,483	911	2,108	1,302	806	286	181	105
Employed .....	2,156	1,328	829	1,938	1,190	748	219	138	81
Agriculture .....	433	325	108	381	288	93	52	37	15
Nonagricultural industries .....	1,723	1,003	721	1,557	902	655	166	101	66
Unemployed .....	238	155	83	170	112	59	68	44	24
Not in labor force .....	5,898	2,734	3,165	4,987	2,317	2,670	911	417	495
Keeping house .....	444	28	417	348	22	325	97	5	91
Going to school .....	282	140	141	216	122	94	66	19	47
Unable to work .....	20	13	8	16	9	7	4	3	1
All other reasons .....	5,152	2,553	2,599	4,407	2,164	2,244	754	389	356

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

August 1972

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
<b>CLASS OF WORKER</b>						
Total .....	2,156	1,328	829	100.0	100.0	100.0
Nonagricultural industries .....	1,723	1,003	721	79.9	75.5	87.0
Wage and salary workers .....	1,565	879	687	72.6	66.2	82.9
Private household workers .....	625	218	407	29.0	16.4	49.1
Government workers .....	166	102	64	7.7	7.7	7.7
Other wage and salary workers .....	774	559	216	35.9	42.1	26.1
Self-employed workers .....	113	93	20	5.2	7.0	2.4
Unpaid family workers .....	45	31	14	2.1	2.3	1.7
Agriculture .....	433	325	108	20.1	24.5	13.0
Wage and salary workers .....	255	195	60	11.8	14.7	7.2
Self-employed workers .....	25	20	5	1.2	1.5	.6
Unpaid family workers .....	153	109	43	7.1	8.2	5.2
<b>OCCUPATION</b>						
Total .....	2,156	1,328	829	100.0	100.0	100.0
White-collar workers .....	370	250	120	17.2	18.8	14.5
Professional and technical .....	11	2	9	.5	.2	1.1
Managers and administrators, except farm .....	2	2	--	.1	.2	--
Sales workers .....	274	219	55	12.7	16.5	6.6
Clerical workers .....	83	26	56	3.8	2.0	6.8
Blue-collar workers .....	592	558	33	27.4	42.0	4.0
Craftsmen and kindred workers .....	46	43	3	2.1	3.2	.4
Operatives, except transport .....	84	78	5	3.9	5.9	.6
Transport equipment operatives .....	12	11	1	.6	.8	.1
Nonfarm laborers .....	450	426	24	20.9	32.1	2.9
Service workers .....	795	227	568	36.9	17.1	68.6
Private household workers .....	423	26	397	19.6	2.0	47.9
Other service workers .....	372	201	171	17.2	15.1	20.7
Farm workers .....	400	293	107	18.5	22.1	12.9
Farmers and farm managers .....	11	6	5	.5	.5	.6
Farm laborers and foremen .....	389	287	102	18.0	21.6	12.3

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**
**A-29: Employment status of the noninstitutional population by sex and age, seasonally adjusted**

(In thousands)

Employment status, sex, and age	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>Total</b>													
Total labor force .....	89,256	88,855	88,788	88,905	88,747	88,817	88,075	88,301	87,883	87,812	87,467	87,240	87,088
Civilian labor force .....	86,860	86,467	86,395	86,486	86,284	86,313	85,535	85,707	85,225	85,116	84,750	84,491	84,313
Employed .....	81,973	81,682	81,667	81,394	81,205	81,241	80,623	80,636	80,098	80,020	79,832	79,451	79,199
Agriculture .....	3,625	3,445	3,337	3,353	3,324	3,482	3,357	3,393	3,400	3,419	3,416	3,363	3,407
Nonagricultural industries .....	78,348	78,237	78,330	78,041	77,881	77,759	77,266	77,243	76,698	76,601	76,416	76,088	75,792
On part time for economic reasons .....	2,488	2,509	2,521	2,421	2,558	2,416	2,303	2,429	2,388	2,604	2,502	2,311	2,425
Usually work full time .....	1,082	1,085	1,022	1,102	1,131	1,155	1,127	1,146	1,084	1,263	1,148	1,076	1,147
Usually work part time .....	1,406	1,424	1,499	1,319	1,427	1,261	1,176	1,283	1,304	1,341	1,354	1,235	1,278
Unemployed .....	4,887	4,785	4,728	5,092	5,079	5,072	4,912	5,071	5,127	5,096	4,918	5,040	5,114
<b>Men, 20 years and over</b>													
Total labor force .....	50,978	50,979	50,904	50,760	50,711	50,714	50,373	50,498	50,463	50,527	50,530	50,492	50,458
Civilian labor force .....	48,954	48,961	48,882	48,700	48,614	48,582	48,181	48,259	48,169	48,200	48,179	48,113	48,057
Employed .....	47,063	47,032	46,919	46,628	46,541	46,569	46,255	46,247	46,080	46,066	46,124	45,969	45,893
Agriculture .....	2,550	2,474	2,437	2,404	2,370	2,400	2,394	2,442	2,439	2,503	2,494	2,435	2,462
Nonagricultural industries .....	44,513	44,558	44,482	44,224	44,171	44,169	43,861	43,805	43,641	43,563	43,630	43,534	43,431
Unemployed .....	1,891	1,929	1,963	2,072	2,073	2,013	1,926	2,012	2,089	2,134	2,055	2,144	2,164
<b>Women, 20 years and over</b>													
Civilian labor force .....	29,990	29,789	29,657	29,625	29,508	29,574	29,358	29,424	29,284	29,254	29,082	28,960	28,826
Employed .....	28,334	28,078	28,029	27,883	27,913	27,972	27,878	27,794	27,592	27,571	27,471	27,319	27,141
Agriculture .....	604	556	496	551	563	620	575	564	547	528	530	548	543
Nonagricultural industries .....	27,730	27,522	27,533	27,332	27,350	27,352	27,303	27,230	27,045	27,043	26,941	26,771	26,601
Unemployed .....	1,656	1,711	1,628	1,742	1,595	1,602	1,480	1,630	1,692	1,683	1,611	1,641	1,682
<b>Both sexes, 16-19 years</b>													
Civilian labor force .....	7,916	7,717	7,856	8,161	8,162	8,157	7,996	8,024	7,772	7,662	7,489	7,418	7,430
Employed .....	6,576	6,572	6,719	6,883	6,751	6,700	6,490	6,595	6,426	6,383	6,237	6,163	6,162
Agriculture .....	471	415	404	398	391	462	388	387	414	388	392	380	402
Nonagricultural industries .....	6,105	6,157	6,315	6,485	6,360	6,238	6,102	6,208	6,012	5,995	5,845	5,783	5,760
Unemployed .....	1,340	1,145	1,137	1,278	1,411	1,457	1,506	1,429	1,346	1,279	1,252	1,255	1,268

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.

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

**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	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>Full time</b>													
Total, 16 years and over:													
Civilian labor force .....	74,201	74,218	74,333	74,032	73,691	73,714	72,997	73,261	73,170	73,020	72,550	72,342	72,218
Employed .....	70,423	70,437	70,643	69,918	69,725	69,734	69,123	69,279	69,023	68,889	68,643	68,285	68,209
Unemployed .....	3,778	3,781	3,690	4,114	3,966	3,980	3,874	3,982	4,147	4,131	3,907	4,057	4,009
Unemployment rate .....	5.1	5.1	5.0	5.6	5.4	5.4	5.3	5.4	5.7	5.4	5.4	5.6	5.6
Men, 20 years and over:													
Civilian labor force .....	46,539	46,588	46,504	46,330	46,199	46,123	45,847	45,892	45,805	45,898	45,766	45,717	45,693
Employed .....	44,801	44,821	44,745	44,441	44,330	44,282	44,074	44,061	43,881	43,909	43,848	43,729	43,669
Unemployed .....	1,738	1,767	1,759	1,889	1,869	1,841	1,773	1,831	1,924	1,989	1,918	1,988	2,024
Unemployment rate .....	3.7	3.8	3.8	4.1	4.0	4.0	3.9	4.0	4.2	4.3	4.2	4.3	4.4
Women, 20 years and over:													
Civilian labor force .....	23,433	23,477	23,483	23,292	23,145	23,208	22,921	23,009	22,992	22,985	22,735	22,784	22,595
Employed .....	22,119	22,093	22,180	21,828	21,896	21,904	21,691	21,704	21,680	21,643	21,464	21,433	21,296
Unemployed .....	1,314	1,384	1,303	1,464	1,249	1,304	1,230	1,305	1,312	1,342	1,271	1,351	1,299
Unemployment rate .....	5.6	5.9	5.5	6.3	5.4	5.6	5.4	5.7	5.7	5.8	5.6	5.9	5.7
<b>Part time</b>													
Total, 16 years and over:													
Civilian labor force .....	12,759	12,208	11,867	12,406	12,466	12,596	12,540	12,595	12,083	12,125	12,190	12,293	12,211
Employed .....	11,630	11,211	10,825	11,403	11,369	11,497	11,482	11,476	11,072	11,094	11,158	11,280	11,086
Unemployed .....	1,129	997	1,042	1,003	1,097	1,099	1,058	1,119	1,011	1,031	1,032	1,013	1,125
Unemployment rate .....	8.8	8.2	8.8	8.1	8.8	8.7	8.4	8.9	8.4	8.5	8.5	8.2	9.2

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.

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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

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**A-31: Employment status by color, sex, and age, seasonally adjusted**  
(In thousands)

Characteristics	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>White</b>													
<b>Total:</b>													
Civilian labor force .....	77,236	76,831	76,722	76,846	76,735	76,735	76,096	76,419	75,939	75,751	75,327	75,119	74,897
Employed .....	73,286	72,987	72,864	72,768	72,567	72,674	72,186	72,347	71,822	71,542	71,349	71,049	70,714
Unemployed .....	3,950	3,844	3,858	4,078	4,168	4,061	3,910	4,072	4,117	4,209	3,978	4,070	4,183
Unemployment rate .....	5.1	5.0	5.0	5.3	5.4	5.3	5.1	5.3	5.4	5.6	5.3	5.4	5.6
<b>Males, 20 years and over:</b>													
Civilian labor force .....	44,063	44,063	44,007	43,857	43,808	43,772	43,456	43,625	43,395	43,365	43,326	43,315	43,260
Employed .....	42,501	42,520	42,318	42,164	42,067	42,095	41,858	41,924	41,739	41,622	41,633	41,551	41,450
Unemployed .....	1,562	1,543	1,689	1,693	1,741	1,677	1,598	1,701	1,656	1,743	1,693	1,764	1,810
Unemployment rate .....	3.5	3.5	3.8	3.9	4.0	3.8	3.7	3.9	3.8	4.0	3.9	4.1	4.2
<b>Females, 20 years and over:</b>													
Civilian labor force .....	26,152	25,926	25,693	25,737	25,661	25,692	25,480	25,581	25,584	25,449	25,269	25,160	25,000
Employed .....	24,824	24,504	24,427	24,345	24,341	24,444	24,328	24,338	24,168	24,075	23,999	23,876	23,643
Unemployed .....	1,328	1,422	1,266	1,392	1,320	1,248	1,152	1,243	1,416	1,374	1,270	1,284	1,357
Unemployment rate .....	5.1	5.5	4.9	5.4	5.1	4.9	4.5	4.9	5.5	5.4	5.0	5.1	5.4
<b>Both sexes, 16 to 19 years:</b>													
Civilian labor force .....	7,021	6,842	7,022	7,252	7,266	7,271	7,160	7,213	6,960	6,937	6,732	6,644	6,637
Employed .....	5,961	5,963	6,119	6,259	6,159	6,135	6,000	6,085	5,915	5,845	5,717	5,622	5,621
Unemployed .....	1,060	879	903	993	1,107	1,136	1,160	1,128	1,045	1,092	1,015	1,022	1,016
Unemployment rate .....	15.1	12.8	12.9	13.7	15.2	15.6	16.2	15.6	15.0	15.7	15.1	15.4	15.3
<b>Negro and other races</b>													
<b>Total:</b>													
Civilian labor force .....	9,596	9,593	9,605	9,657	9,469	9,588	9,516	9,415	9,304	9,365	9,445	9,410	9,376
Employed .....	8,664	8,642	8,706	8,626	8,562	8,582	8,514	8,414	8,335	8,483	8,463	8,435	8,449
Unemployed .....	932	951	899	1,031	907	1,006	1,002	1,001	969	882	982	975	927
Unemployment rate .....	9.7	9.9	9.4	10.7	9.6	10.5	10.5	10.6	10.4	9.4	10.4	10.4	9.9
<b>Males, 20 years and over:</b>													
Civilian labor force .....	4,873	4,896	4,874	4,851	4,801	4,822	4,778	4,701	4,761	4,810	4,842	4,817	4,781
Employed .....	4,545	4,509	4,567	4,466	4,467	4,480	4,445	4,381	4,381	4,446	4,453	4,438	4,427
Unemployed .....	328	387	307	385	334	342	333	320	380	364	389	379	354
Unemployment rate .....	6.7	7.9	6.3	7.9	7.0	7.1	7.0	6.8	8.0	7.6	8.0	7.9	7.4
<b>Females, 20 years and over:</b>													
Civilian labor force .....	3,824	3,832	3,890	3,925	3,819	3,887	3,897	3,908	3,751	3,801	3,821	3,815	3,803
Employed .....	3,500	3,527	3,539	3,557	3,542	3,541	3,579	3,516	3,448	3,494	3,478	3,452	3,483
Unemployed .....	324	305	351	368	277	346	318	392	303	307	343	363	320
Unemployment rate .....	8.5	8.0	9.0	9.4	7.3	8.9	8.2	10.0	8.1	8.1	9.0	9.5	8.4
<b>Both sexes, 16 to 19 years:</b>													
Civilian labor force .....	899	865	841	881	849	879	841	806	792	754	782	778	792
Employed .....	619	606	600	603	553	561	490	517	506	543	532	545	539
Unemployed .....	280	259	241	278	296	318	351	289	286	211	250	233	253
Unemployment rate .....	31.1	29.9	28.7	31.6	34.9	36.2	41.7	35.9	36.1	28.0	32.0	29.9	31.9

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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

(In thousands)

Duration of unemployment	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Less than 5 weeks .....	2,254	2,149	2,175	2,233	2,169	2,311	2,142	2,358	2,410	2,290	2,140	2,317	2,320
5 to 14 weeks .....	1,505	1,478	1,437	1,514	1,521	1,412	1,454	1,502	1,509	1,650	1,529	1,567	1,553
15 weeks and over .....	1,188	1,155	1,148	1,180	1,137	1,224	1,294	1,198	1,273	1,311	1,253	1,250	1,291
15 to 26 weeks .....	644	658	594	587	482	591	634	636	724	741	628	683	735
27 weeks and over .....	544	497	554	593	655	633	660	562	549	570	625	567	556
Average (mean) duration .....	12.1	11.8	13.5	12.5	12.4	12.4	12.5	11.8	11.4	11.8	12.5	12.0	11.6

**A-33: Major unemployment indicators, seasonally adjusted**  
(Unemployment rates)

Selected categories	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Total (all civilian workers) .....	5.6	5.5	5.5	5.9	5.9	5.9	5.7	5.9	6.0	6.0	5.8	6.0	6.1
Men, 20 years and over .....	3.9	3.9	4.0	4.3	4.3	4.1	4.0	4.2	4.3	4.4	4.3	4.5	4.5
Women, 20 years and over .....	5.5	5.7	5.5	5.9	5.4	5.4	5.0	5.5	5.8	5.8	5.5	5.7	5.8
Both sexes, 16-19 years .....	16.9	14.8	14.5	15.7	17.3	17.9	18.8	17.8	17.3	16.7	16.7	16.9	17.1
White .....	5.1	5.0	5.0	5.3	5.4	5.3	5.1	5.3	5.4	5.6	5.3	5.4	5.6
Negro and other races .....	9.7	9.9	9.4	10.7	9.6	10.5	10.5	10.6	10.4	9.4	10.4	10.4	9.9
Household heads .....	3.3	3.3	3.6	3.6	3.4	3.4	3.3	3.5	3.8	3.6	3.5	3.8	3.8
Married men .....	2.6	2.7	2.9	2.9	2.9	2.8	2.8	3.0	3.2	3.3	3.0	3.3	3.3
Full-time workers .....	5.1	5.1	5.0	5.6	5.4	5.4	5.3	5.4	5.7	5.7	5.4	5.6	5.6
Part-time workers .....	8.8	8.2	8.8	8.1	8.8	8.7	8.4	8.9	8.4	8.5	8.5	8.2	9.2
Unemployed 15 weeks and over <sup>1</sup> .....	1.4	1.3	1.3	1.4	1.3	1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.5
State insured <sup>2</sup> .....	3.4	3.8	3.6	3.7	3.6	3.5	3.5	3.4	4.1	4.1	4.4	4.3	4.2
Labor force time lost <sup>3</sup> .....	6.2	6.0	5.5	6.3	6.3	6.3	6.1	6.4	6.4	6.4	6.5	6.3	6.5
<b>Occupation</b>													
White-collar workers .....	3.5	3.4	3.1	3.6	3.4	3.5	3.3	3.6	3.6	3.4	3.4	3.4	3.5
Professional and technical .....	2.4	2.5	1.9	2.4	2.3	2.5	2.5	3.1	2.9	2.9	3.1	2.7	3.0
Managers and administrators, except farm .....	1.8	1.9	1.4	1.5	1.8	1.9	1.7	1.9	1.8	1.9	1.7	1.6	1.4
Sales workers .....	4.8	4.3	4.0	4.5	3.7	4.1	4.0	4.4	4.0	3.9	3.9	4.1	4.4
Clerical workers .....	4.9	4.6	4.8	5.3	4.9	4.9	4.7	4.7	4.9	4.6	4.7	4.8	4.9
Blue-collar workers .....	6.5	6.4	6.4	6.8	6.8	6.9	7.0	7.1	7.5	7.5	7.1	7.7	7.5
Craftsmen and kindred workers .....	4.4	4.3	4.5	4.7	4.4	4.0	4.4	4.3	4.8	4.6	4.7	5.3	5.3
Operatives .....	6.7	7.1	6.8	7.1	7.4	7.7	7.5	7.9	8.2	8.2	7.8	8.3	8.3
Nonfarm laborers .....	10.9	9.3	9.5	10.9	10.7	11.7	11.8	11.6	11.9	11.8	10.6	11.2	10.6
Service workers .....	6.3	6.6	5.7	6.1	6.3	6.6	5.9	6.1	6.4	6.6	6.0	6.5	6.5
Farm workers .....	2.7	2.2	2.6	3.0	2.2	1.9	2.7	2.8	2.7	3.7	1.9	2.8	2.7
<b>Industry</b>													
Nonagricultural private wage and salary workers <sup>4</sup> .....	5.8	5.8	5.5	6.0	5.9	6.1	5.9	6.1	6.3	6.2	5.9	6.2	6.2
Construction .....	11.6	10.9	9.5	12.5	10.6	9.8	10.3	9.8	11.2	9.7	10.2	9.7	9.9
Manufacturing .....	5.4	5.7	5.6	6.0	5.8	6.2	6.0	6.4	6.9	6.6	6.2	6.9	6.8
Durable goods .....	5.0	5.7	5.7	6.3	5.8	6.3	6.1	6.7	6.7	6.7	6.4	7.0	6.9
Non-durable goods .....	6.0	5.6	5.5	5.7	5.9	6.1	6.0	6.0	7.1	6.3	5.8	6.8	6.8
Transportation and public utilities .....	3.8	3.6	3.1	3.5	3.7	4.0	3.9	4.1	4.1	4.4	4.3	3.6	3.3
Wholesale and retail trade .....	6.6	6.5	6.5	6.3	6.2	6.7	6.2	6.3	6.5	6.6	6.1	6.3	6.3
Finance and service industries .....	4.7	4.6	4.2	5.0	5.1	5.3	4.9	5.3	4.9	5.1	4.9	5.1	5.3
Government workers .....	3.0	2.8	2.5	2.9	2.9	2.8	2.8	3.0	3.2	3.2	3.2	3.0	3.1
Agricultural wage and salary workers .....	6.5	6.0	7.5	8.8	6.0	6.0	8.3	8.6	7.5	9.6	7.0	8.5	8.8

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

<sup>2</sup> Insured unemployment under State programs as a percent of average covered employment. As with the other statistics presented, insured unemployment data relate to the week containing the 12th.

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

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

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

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

Sex and age	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>Total, 16 years and over</b> . . . . .	5.6	5.5	5.5	5.9	5.9	5.9	5.7	5.9	6.0	6.0	5.8	6.0	6.1
16 to 19 years . . . . .	16.9	14.8	14.5	15.7	17.3	17.9	18.8	17.8	17.3	16.7	16.7	16.9	17.1
16 and 17 years . . . . .	20.5	16.5	16.5	16.6	19.1	20.7	22.0	19.1	18.8	18.3	19.9	18.4	19.5
18 and 19 years . . . . .	14.0	13.5	12.9	15.8	15.5	15.8	16.7	16.8	16.3	15.4	14.5	15.8	15.0
20 to 24 years . . . . .	9.0	9.8	8.7	9.9	10.0	9.9	8.8	10.1	10.1	10.4	9.2	9.6	10.0
25 years and over . . . . .	3.6	3.7	3.9	3.9	3.8	3.7	3.6	3.7	4.1	4.0	4.0	4.0	4.1
25 to 34 years . . . . .	3.7	3.8	4.0	4.0	3.8	3.9	3.7	3.9	4.3	4.2	4.3	4.3	4.2
35 years and over . . . . .	3.7	3.4	3.6	3.6	3.6	3.3	3.1	3.1	3.4	3.4	3.0	3.2	3.5
<b>Males, 16 years and over</b> . . . . .	4.9	4.7	4.8	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.3	5.4	5.5
16 to 19 years . . . . .	16.5	13.6	13.8	16.6	16.7	17.8	19.6	17.3	17.3	16.2	16.5	16.3	17.2
16 and 17 years . . . . .	20.0	14.6	15.4	18.0	19.3	21.4	21.8	18.7	19.0	18.1	20.3	18.6	19.4
18 and 19 years . . . . .	13.2	12.8	12.4	16.2	14.8	15.1	17.6	16.1	16.0	14.7	13.7	14.6	15.0
20 to 24 years . . . . .	8.5	9.6	8.3	9.4	10.7	10.4	9.2	10.4	10.5	10.7	9.7	10.2	10.5
25 years and over . . . . .	3.1	3.0	3.3	3.4	3.3	3.2	3.2	3.2	3.5	3.5	3.5	3.5	3.6
25 to 34 years . . . . .	3.0	3.0	3.3	3.4	3.2	3.1	3.2	3.3	3.6	3.7	3.7	3.7	3.6
35 years and over . . . . .	3.4	3.1	3.5	3.5	3.5	3.4	3.2	3.0	3.0	3.2	2.9	3.0	3.3
<b>Females, 16 years and over</b> . . . . .	6.8	6.9	6.5	6.8	6.8	6.8	6.4	6.9	7.0	6.9	6.7	6.9	7.0
16 to 19 years . . . . .	17.5	16.4	15.4	14.6	18.0	17.9	17.9	18.4	17.3	17.3	17.0	17.6	16.9
16 and 17 years . . . . .	21.3	18.9	18.1	14.8	19.0	19.8	22.3	19.6	18.5	18.7	19.2	18.0	19.5
18 and 19 years . . . . .	14.9	14.4	13.5	15.3	16.4	16.8	15.6	17.7	16.7	16.2	15.6	17.3	15.1
20 to 24 years . . . . .	9.5	10.1	9.2	10.6	9.0	9.2	8.4	9.6	9.6	10.0	8.6	8.9	9.4
25 years and over . . . . .	4.6	4.8	4.8	4.8	4.6	4.7	4.3	4.6	5.0	4.8	4.9	4.9	5.0
25 to 34 years . . . . .	4.8	5.1	5.1	5.0	4.9	5.1	4.7	4.9	5.4	5.2	5.3	5.3	5.4
35 years and over . . . . .	4.3	4.0	3.8	3.8	3.6	3.1	2.9	3.3	3.9	3.7	3.0	3.4	3.8

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

(Numbers in thousands)

Reason for unemployment	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>Number of unemployed</b>													
Lost last job . . . . .	2,244	2,093	2,210	2,199	2,040	2,118	2,077	2,169	2,365	2,360	2,206	2,369	2,460
Left last job . . . . .	644	616	624	649	611	674	603	564	666	629	541	583	572
Reentered labor force . . . . .	1,427	1,455	1,238	1,460	1,557	1,542	1,503	1,652	1,432	1,493	1,486	1,536	1,509
Never worked before . . . . .	640	564	621	802	917	737	713	742	736	651	663	603	651
<b>Percent distribution</b>													
Total unemployed . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lost last job . . . . .	45.3	44.3	47.1	43.0	39.8	41.8	42.4	42.3	45.5	46.0	45.1	46.5	47.4
Left last job . . . . .	13.0	13.0	13.3	12.7	11.9	13.3	12.3	11.0	12.8	12.3	11.0	11.5	11.0
Reentered labor force . . . . .	28.8	30.8	26.4	28.6	30.4	30.4	30.7	32.2	27.5	29.1	30.4	30.2	29.1
Never worked before . . . . .	12.9	11.9	13.2	15.7	15.9	14.5	14.6	14.5	14.2	12.7	13.5	11.8	12.5
<b>Unemployed as a percent of the civilian labor force</b>													
Lost last job . . . . .	2.6	2.4	2.6	2.5	2.4	2.5	2.4	2.5	2.8	2.8	2.6	2.8	2.9
Left last job . . . . .	.7	.7	.7	.8	.7	.8	.7	.7	.8	.7	.6	.7	.7
Reentered labor force . . . . .	1.6	1.7	1.4	1.7	1.8	1.8	1.8	1.9	1.7	1.8	1.8	1.8	1.8
Never worked before . . . . .	.7	.7	.7	.9	1.1	.9	.9	.9	.9	.8	.8	.7	.8

## HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Sex and age	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>Total</b>													
16 years and over .....	81,973	81,682	81,667	81,394	81,205	81,241	80,623	80,636	80,098	80,020	79,832	79,451	79,199
16 to 19 years .....	6,576	6,572	6,719	6,883	6,751	6,700	6,490	6,595	6,426	6,383	6,237	6,163	6,162
16 and 17 years .....	2,692	2,700	2,747	2,891	2,787	2,736	2,688	2,836	2,655	2,712	2,551	2,592	2,551
18 and 19 years .....	3,864	3,876	3,955	3,986	3,939	3,953	3,817	3,791	3,760	3,688	3,695	3,579	3,580
20 to 24 years .....	11,005	10,835	10,923	10,777	10,658	10,614	10,586	10,513	10,486	10,338	10,489	10,364	10,269
25 years and over .....	64,361	64,180	63,934	63,769	63,802	63,970	63,567	63,603	63,228	63,334	63,131	62,943	62,764
25 to 54 years .....	50,323	50,176	49,944	49,914	49,853	49,921	49,613	49,478	49,157	49,181	49,031	48,913	48,758
55 years and over .....	14,019	13,937	13,905	13,887	13,903	14,087	13,990	14,231	14,077	14,115	14,091	14,030	13,973
<b>Male</b>													
16 years and over .....	50,771	50,677	50,679	50,347	50,252	50,271	49,824	49,902	49,669	49,726	49,681	49,430	49,318
16 to 19 years .....	3,708	3,645	3,760	3,719	3,711	3,702	3,569	3,655	3,589	3,660	3,557	3,461	3,425
16 and 17 years .....	1,588	1,571	1,610	1,596	1,564	1,551	1,525	1,591	1,545	1,589	1,489	1,503	1,486
18 and 19 years .....	2,090	2,080	2,136	2,160	2,118	2,154	2,054	2,084	2,056	2,079	2,071	1,963	1,907
20 to 24 years .....	6,094	6,047	6,110	5,990	5,917	5,929	5,862	5,821	5,819	5,680	5,749	5,635	5,604
25 years and over .....	40,936	40,920	40,734	40,651	40,628	40,676	40,435	40,467	40,319	40,403	40,348	40,341	40,283
25 to 54 years .....	32,072	32,068	31,889	31,824	31,791	31,724	31,594	31,504	31,440	31,482	31,460	31,405	31,315
55 years and over .....	8,835	8,832	8,819	8,810	8,829	8,970	8,840	9,015	8,877	8,924	8,906	8,950	8,939
<b>Female</b>													
16 years and over .....	31,202	31,005	30,988	31,047	30,953	30,970	30,799	30,734	30,429	30,294	30,151	30,021	29,881
16 to 19 years .....	2,868	2,927	2,959	3,164	3,040	2,998	2,921	2,940	2,837	2,723	2,680	2,702	2,737
16 and 17 years .....	1,104	1,129	1,137	1,295	1,223	1,185	1,163	1,245	1,110	1,123	1,062	1,089	1,065
18 and 19 years .....	1,774	1,796	1,819	1,826	1,821	1,799	1,763	1,707	1,704	1,609	1,624	1,616	1,673
20 to 24 years .....	4,911	4,788	4,813	4,787	4,741	4,685	4,724	4,692	4,667	4,658	4,740	4,729	4,665
25 years and over .....	23,425	23,260	23,200	23,118	23,174	23,294	23,132	23,136	22,909	22,941	22,783	22,603	22,481
25 to 54 years .....	18,251	18,108	18,055	18,090	18,062	18,197	18,019	17,974	17,717	17,699	17,571	17,508	17,443
55 years and over .....	5,184	5,105	5,086	5,077	5,074	5,117	5,150	5,216	5,200	5,191	5,185	5,080	5,034

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

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

(In thousands)

Occupational group	1972								1971				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>White-collar workers</b> .....	39,353	39,113	38,704	38,776	38,884	38,661	38,883	38,587	38,341	38,800	38,699	38,734	38,521
Professional & technical .....	11,738	11,424	11,432	11,318	11,412	11,374	11,256	11,065	11,143	11,268	11,166	11,211	11,188
Managers and administrators, except farm ..	8,086	8,058	7,847	7,883	7,849	7,895	8,049	8,020	8,067	8,824	8,946	8,878	8,832
Sales workers .....	5,315	5,355	5,258	5,434	5,389	5,276	5,311	5,314	5,228	5,126	5,046	5,027	5,035
Clerical workers .....	14,214	14,276	14,167	14,141	14,234	14,116	14,267	14,188	13,903	13,582	13,541	13,618	13,466
<b>Blue-collar workers</b> .....	28,479	28,474	28,872	28,603	28,309	28,666	28,015	28,203	27,804	27,404	27,362	27,161	26,925
Craftsmen and kindred workers .....	10,752	10,736	10,892	10,829	10,777	11,008	10,826	10,897	10,861	10,184	10,073	10,033	10,054
Operatives <sup>1</sup> .....	13,465	13,442	13,642	13,603	13,425	13,483	13,181	13,373	13,148	13,131	13,068	13,079	12,871
Nonfarm laborers .....	4,262	4,296	4,338	4,171	4,107	4,175	4,008	3,933	3,795	4,089	4,221	4,049	4,000
<b>Service workers</b> .....	10,989	11,083	11,166	11,086	10,981	10,858	10,787	10,911	10,793	10,730	10,729	10,706	10,741
Farmers and farm laborers ..	3,187	3,006	2,902	2,924	2,957	3,074	2,985	3,031	3,019	3,010	3,041	2,957	3,022

NOTE: See note, table A-1, regarding the introduction of 1970 census population controls.

<sup>1</sup>Data for 1972 represent the sum of transport equipment operatives and operatives, except transport.

## A-38: Employment status of male Vietnam Era veterans and nonveterans 20 to 29 years old

(Numbers in thousands)

Employment status	Seasonally adjusted								
	Aug. 1972	July 1972	Aug. 1971	Aug. 1972	July 1972	June 1972	May 1972	April 1972	Aug. 1971
<b>Veterans<sup>1</sup></b>									
Total, 20 to 29 years old									
Civilian noninstitutional population <sup>2</sup> . . . . .	4,574	4,551	4,142	4,574	4,551	4,529	4,519	4,498	4,142
Civilian labor force . . . . .	4,293	4,280	3,855	4,233	4,206	4,183	4,196	4,161	3,805
Employed . . . . .	3,993	3,979	3,533	3,905	3,898	3,881	3,858	3,804	3,452
Unemployed . . . . .	300	301	322	328	308	302	338	357	353
Unemployment rate . . . . .	7.0	7.0	8.4	7.7	7.3	7.2	8.1	8.6	9.3
<b>20 to 24 years</b>									
Civilian noninstitutional population <sup>2</sup> . . . . .	1,913	1,928	1,971	1,913	1,928	1,943	1,970	1,987	1,971
Civilian labor force . . . . .	1,755	1,787	1,788	1,739	1,745	1,775	1,792	1,810	1,775
Employed . . . . .	1,573	1,596	1,590	1,521	1,559	1,600	1,608	1,581	1,538
Unemployed . . . . .	182	191	198	218	186	175	184	229	237
Unemployment rate . . . . .	10.4	10.7	11.1	12.5	10.7	9.9	10.3	12.7	13.4
<b>25 to 29 years</b>									
Civilian noninstitutional population <sup>2</sup> . . . . .	2,661	2,623	2,171	2,661	2,623	2,586	2,549	2,511	2,171
Civilian labor force . . . . .	2,538	2,493	2,067	2,494	2,461	2,408	2,404	2,351	2,030
Employed . . . . .	2,420	2,383	1,943	2,384	2,339	2,281	2,250	2,223	1,914
Unemployed . . . . .	118	110	124	110	122	127	154	128	116
Unemployment rate . . . . .	4.6	4.4	6.0	4.4	5.0	5.3	6.4	5.4	5.7
<b>Nonveterans</b>									
Total, 20 to 29 years old									
Civilian noninstitutional population <sup>2</sup> . . . . .	10,121	10,085	9,458	10,121	10,085	10,036	9,914	9,840	9,458
Civilian labor force . . . . .	9,186	9,236	8,569	8,729	8,715	8,677	8,555	8,527	8,174
Employed . . . . .	8,688	8,635	7,971	8,187	8,149	8,110	7,949	7,875	7,524
Unemployed . . . . .	498	601	598	542	566	567	606	652	650
Unemployment rate . . . . .	5.4	6.5	7.0	6.2	6.5	6.5	7.1	7.6	8.0
<b>20 to 24 years</b>									
Civilian noninstitutional population <sup>2</sup> . . . . .	6,113	6,086	5,585	6,113	6,086	6,065	5,958	5,918	5,585
Civilian labor force . . . . .	5,366	5,420	4,878	4,923	4,909	4,904	4,808	4,813	4,494
Employed . . . . .	5,003	4,960	4,449	4,524	4,485	4,512	4,369	4,332	4,023
Unemployed . . . . .	363	460	429	399	424	392	439	481	471
Unemployment rate . . . . .	6.8	8.5	8.8	8.1	8.6	8.0	9.1	10.0	10.5
<b>25 to 29 years</b>									
Civilian noninstitutional population <sup>2</sup> . . . . .	4,008	3,999	3,873	4,008	3,999	3,971	3,956	3,922	3,873
Civilian labor force . . . . .	3,820	3,816	3,691	3,806	3,806	3,773	3,747	3,714	3,680
Employed . . . . .	3,685	3,675	3,522	3,663	3,664	3,598	3,580	3,543	3,501
Unemployed . . . . .	135	141	169	143	142	175	167	171	179
Unemployment rate . . . . .	3.5	3.7	4.6	3.8	3.7	4.6	4.5	4.6	4.9

<sup>1</sup> Vietnam Era veterans are those who served after August 4, 1964; they are all classified as war veterans. 79 percent of the Vietnam Era veterans of all ages are 20 to 29 years old. Post-Korean-peace-time veterans 20 to 29 years old are not included in this table.

<sup>2</sup> Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.





**ESTABLISHMENT DATA  
EMPLOYMENT**

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

(In thousands)

SIC CODE	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971
-	<b>TOTAL</b> .....	72,831	72,407	73,345	70,542	70,452	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	60,080	59,577	60,029	58,281	58,114	49,751	49,269	49,749	48,180	47,995
-	<b>MINING</b> .....	610	613	612	625	613	461	463	462	473	460
10	<b>METAL MINING</b> .....	-	87.1	88.0	83.3	71.4	-	69.0	70.1	64.4	52.3
101	Iron ores .....	-	20.2	21.5	25.6	26.1	-	16.1	17.4	20.9	21.3
102	Copper ores .....	-	39.2	38.9	27.4	14.8	-	30.9	30.7	19.3	6.7
11,12	<b>COAL MINING</b> .....	-	142.1	140.9	156.2	156.4	-	120.5	119.6	134.0	134.2
12	Bituminous coal and lignite mining .....	-	137.9	136.6	150.8	151.0	-	116.8	115.8	129.2	129.5
13	<b>OIL AND GAS EXTRACTION</b> .....	-	264.2	264.0	266.9	265.9	-	175.1	174.2	176.3	175.2
131,2	Crude petroleum and natural gas fields .....	-	140.9	140.0	144.0	144.3	-	72.7	72.3	74.2	74.4
138	Oil and gas field services .....	-	123.3	124.0	122.9	121.6	-	102.4	101.9	102.1	100.8
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	-	119.4	118.8	118.6	118.8	-	98.7	98.2	98.2	98.3
142	Crushed and broken stone .....	-	42.9	42.9	42.7	43.2	-	36.6	36.6	36.2	36.5
144	Sand and gravel .....	-	41.0	40.2	40.0	39.4	-	-	-	-	-
	<b>CONTRACT CONSTRUCTION</b> .....	3,517	3,425	3,406	3,509	3,480	2,931	2,850	2,833	2,949	2,916
	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	970.2	956.7	1,011.9	994.5	-	798.9	784.2	846.1	827.4
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	777.4	766.3	783.2	790.2	-	669.8	659.0	674.8	680.8
161	Highway and street construction .....	-	370.0	363.8	379.8	383.7	-	329.7	323.3	338.7	342.9
162	Heavy construction, n e c .....	-	407.4	402.5	403.4	406.5	-	340.1	335.7	336.1	337.9
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	1,676.9	1,683.1	1,713.7	1,695.5	-	1,381.3	1,390.1	1,428.0	1,407.5
171	Plumbing, heating, air conditioning .....	-	397.5	402.4	404.0	403.7	-	312.2	318.1	322.4	321.3
172	Painting, paper hanging, decorating .....	-	129.5	124.2	128.9	128.3	-	113.3	108.1	113.1	112.4
173	Electrical work .....	-	306.0	298.8	298.5	298.1	-	245.1	238.4	239.4	238.5
174	Masonry, stonework, and plastering .....	-	207.8	210.3	222.2	220.0	-	186.7	189.8	201.3	198.7
176	Roofing and sheet metal work .....	-	118.6	117.5	116.2	114.3	-	97.9	96.7	95.6	93.2
	<b>MANUFACTURING</b> .....	19,174	18,749	19,142	18,651	18,448	14,024	13,616	14,006	13,524	13,315
19,24,25,32-39	<b>DURABLE GOODS</b> .....	10,867	10,704	10,965	10,485	10,487	7,888	7,727	7,988	7,514	7,512
20-23,26-31	<b>NONDURABLE GOODS</b> .....	8,307	8,045	8,177	8,166	7,961	6,136	5,889	6,018	6,010	5,803
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	194.5	191.1	189.5	189.9	189.9	98.2	95.6	94.3	93.1	92.4
192	Ammunition, except for small arms .....	134.9	131.7	130.1	132.0	131.9	60.8	58.2	57.1	58.3	57.8
1925	Complete guided missiles .....	-	92.8	92.0	90.3	90.2	-	27.8	27.4	26.6	26.0
1929	Ammunition, exc. for small arms, nec .....	-	38.9	38.1	41.7	41.7	-	30.4	29.7	31.7	31.8
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	635.2	629.8	628.9	602.3	596.4	549.6	544.2	543.9	520.7	516.3
241	Logging camps & logging contractors .....	71.3	73.5	71.8	76.5	76.8	-	-	-	-	-
242	Sawmills and planing mills .....	225.8	222.7	222.9	216.5	215.8	205.4	201.9	202.3	196.7	196.1
2421	Sawmills and planing mills, general .....	-	189.2	189.2	184.4	184.0	-	171.7	171.9	167.9	167.5
243	Millwork, plywood & related products .....	212.2	208.8	207.0	191.8	187.5	177.8	175.0	173.4	160.3	157.5
2431	Millwork .....	-	90.2	89.9	83.4	81.5	-	74.1	73.8	68.4	66.6
2432	Veneer and plywood .....	-	84.8	83.8	76.4	76.1	-	75.1	74.2	68.4	68.3
244	Wooden containers .....	30.2	30.8	31.1	29.8	30.1	27.1	27.6	28.0	26.5	26.7
2441,2	Wooden boxes, shooks, and crates .....	-	25.5	25.7	24.3	24.6	-	23.0	23.2	21.6	21.9
249	Miscellaneous wood products .....	95.7	94.0	96.1	87.7	86.2	79.2	77.6	79.6	72.7	71.2

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)					Production workers <sup>1</sup>				
		All employees									
		Aug. 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug. 1971	July 1971
<i>Durable Goods--Continued</i>											
25	<b>FURNITURE AND FIXTURES . . . . .</b>	499.6	485.8	491.8	459.1	452.1	414.4	400.7	406.4	377.5	370.8
251	Household furniture . . . . .	358.7	350.3	356.4	326.9	322.9	305.1	296.5	302.2	276.1	272.7
2511	Wood household furniture . . . . .	—	176.0	177.4	163.8	163.2	—	154.4	155.7	143.1	142.6
2512	Upholstered household furniture . . . . .	—	101.1	103.1	90.9	88.6	—	84.6	86.4	75.8	73.8
2515	Mattresses and bedsprings . . . . .	—	38.0	38.1	38.3	37.3	—	29.1	29.2	29.5	28.6
252	Office furniture . . . . .	—	36.2	36.4	33.9	33.5	—	28.3	28.4	25.7	25.4
254	Partitions and fixtures . . . . .	—	52.1	51.5	51.0	50.0	—	40.0	39.7	39.2	38.1
253,9	Other furniture and fixtures . . . . .	48.9	47.2	47.5	47.3	45.7	37.5	35.9	36.1	36.5	34.6
<b>STONE, CLAY, AND GLASS PRODUCTS . . . . .</b>											
32	Flat glass . . . . .	670.8	666.7	669.5	643.8	638.6	537.9	534.1	536.2	512.6	507.6
321	Flat glass . . . . .	—	24.6	24.6	24.4	24.4	—	18.2	18.3	17.9	17.9
322	Glass and glassware, pressed or blown . . . . .	138.2	136.1	137.5	131.4	129.5	118.8	117.8	119.0	112.8	111.2
3221	Glass containers . . . . .	—	78.9	79.1	77.4	76.6	—	69.6	69.9	67.9	67.2
3229	Pressed and blown glass, n e c . . . . .	—	57.2	58.4	54.0	52.9	—	48.2	49.1	44.9	44.0
324	Cement, hydraulic . . . . .	33.8	33.9	33.8	33.2	33.2	26.6	26.8	26.7	26.3	26.3
325	Structural clay products . . . . .	60.9	61.1	61.1	58.1	58.3	51.2	51.2	51.0	48.3	48.5
3251	Brick and structural clay tile . . . . .	—	27.7	27.5	26.4	26.5	—	24.3	24.0	23.1	23.2
326	Pottery and related products . . . . .	—	42.0	42.4	40.1	39.6	—	34.9	35.8	33.1	32.3
327	Concrete, gypsum, and plaster products . . . . .	202.0	200.3	199.9	195.6	193.4	159.6	157.5	156.6	153.7	151.9
328,9	Other stone and nonmetallic mineral products . . . . .	136.5	137.5	138.4	131.1	130.5	102.3	103.4	104.0	96.9	96.3
3291	Abrasive products . . . . .	—	27.3	27.1	25.1	24.9	—	19.0	19.2	17.1	17.1
<b>PRIMARY METAL INDUSTRIES . . . . .</b>											
33	Blast furnace and basic steel products . . . . .	1,231.1	1,227.7	1,243.1	1,164.1	1,238.9	980.0	976.6	993.7	904.9	975.5
331	Blast furnace and basic steel products . . . . .	(*)	586.1	586.2	531.6	614.6	(*)	468.5	470.1	410.3	490.3
3312	Blast furnaces and steel mills . . . . .	—	511.2	510.4	459.2	537.7	—	410.1	410.5	354.8	430.5
332	Iron and steel foundries . . . . .	(*)	210.0	218.9	211.8	210.3	(*)	173.3	182.7	174.7	173.0
3321	Gray iron foundries . . . . .	—	129.5	137.1	130.3	128.1	—	108.2	116.6	109.1	106.8
3322	Malleable iron foundries . . . . .	—	24.8	25.2	22.9	22.9	—	20.8	21.2	18.9	19.0
3323	Steel foundries . . . . .	—	55.7	56.6	58.6	59.3	—	44.3	44.9	46.7	47.2
333,4	Nonferrous metals . . . . .	82.7	83.0	83.8	80.2	75.3	64.3	64.4	65.5	61.1	56.0
3334	Primary aluminum . . . . .	—	29.6	29.2	31.1	31.1	—	24.3	24.0	25.4	25.4
335	Nonferrous rolling and drawing . . . . .	(*)	202.6	202.8	199.3	199.8	(*)	152.2	151.7	145.6	145.6
3351	Copper rolling and drawing . . . . .	—	38.9	40.2	41.3	41.6	—	29.5	30.7	30.7	31.0
3352	Aluminum rolling and drawing . . . . .	—	65.8	63.6	62.7	63.0	—	49.3	46.7	44.8	44.6
3357	Nonferrous wire drawing and insulating . . . . .	—	78.2	78.9	75.5	75.4	—	59.3	59.9	56.5	56.4
336	Nonferrous foundries . . . . .	82.6	80.4	83.4	76.4	75.6	68.5	66.4	69.6	62.4	61.6
3361	Aluminum castings . . . . .	—	42.1	43.5	38.0	38.8	—	35.3	36.9	31.4	32.1
3362,9	Other nonferrous castings . . . . .	—	38.3	39.9	38.4	36.8	—	31.1	32.7	31.0	29.5
339	Miscellaneous primary metal products . . . . .	(*)	65.6	68.0	64.8	63.3	(*)	51.8	54.1	50.8	49.0
3391	Iron and steel forgings . . . . .	—	43.0	45.0	43.9	42.5	—	34.5	36.6	35.0	33.5
<b>FABRICATED METAL PRODUCTS . . . . .</b>											
34	Metal cans . . . . .	1,376.5	1,359.6	1,388.0	1,332.4	1,319.4	1,052.1	1,034.3	1,064.8	1,012.9	998.5
341	Metal cans . . . . .	73.5	73.4	73.4	76.6	76.5	62.7	62.8	63.1	66.0	65.8
342	Cutlery, hand tools, and hardware . . . . .	(*)	153.5	159.2	146.9	145.0	(*)	119.7	125.4	113.9	112.4
3421,3,5	Cutlery and hand tools, incl. saws . . . . .	—	64.5	66.1	61.2	59.7	—	50.6	52.3	47.2	46.1
3429	Hardware, n e c . . . . .	—	89.0	93.1	85.7	85.3	—	69.1	73.1	66.7	66.3
343	Plumbing and heating, except electric . . . . .	83.9	83.9	86.4	80.8	80.8	63.6	62.9	65.4	60.2	59.8
3431,2	Sanitary ware & plumbers' brass goods . . . . .	—	38.9	41.4	39.0	39.0	—	31.1	33.2	30.9	30.8
3433	Heating equipment, except electric . . . . .	—	45.0	45.0	41.8	41.8	—	31.8	32.2	29.3	29.0
344	Fabricated structural metal products . . . . .	(*)	426.8	425.2	422.9	419.9	(*)	305.6	305.5	302.6	299.7
3441	Fabricated structural steel . . . . .	—	105.5	105.0	106.0	107.6	—	76.2	76.1	77.2	78.6
3442	Metal doors, sash, and trim . . . . .	—	75.8	76.2	73.8	71.6	—	55.8	56.6	54.7	52.7
3443	Fabricated plate work (boiler shops) . . . . .	—	112.6	112.3	113.2	113.2	—	77.2	77.5	78.4	78.2
3444	Sheet metal work . . . . .	—	81.1	80.9	79.9	78.9	—	59.4	59.3	57.6	56.8
3446,9	Architectural and misc. metal work . . . . .	—	51.8	50.8	50.0	48.6	—	37.0	36.0	34.7	33.4
345	Screw machine products, bolts, etc . . . . .	(*)	96.4	99.5	90.8	90.2	(*)	75.4	78.2	69.5	68.8
3451	Screw machine products . . . . .	—	42.8	44.8	39.6	39.8	—	35.3	37.1	32.4	32.6
3452	Bolts, nuts, rivets, and washers . . . . .	—	53.6	54.7	51.2	50.4	—	40.1	41.1	37.1	36.2
346	Metal stampings . . . . .	(*)	216.4	227.5	217.7	211.6	(*)	171.2	183.2	174.2	167.3
347	Metal services, n e c . . . . .	79.3	78.8	80.3	75.3	76.2	64.9	64.7	66.1	61.3	61.9
348	Misc. fabricated wire products . . . . .	(*)	67.4	69.7	64.8	64.4	(*)	53.6	55.8	51.0	50.5
349	Misc. fabricated metal products . . . . .	162.5	163.0	166.8	156.6	154.8	118.8	118.4	122.1	114.2	112.3
3494,8	Valves, pipe, and pipe fittings . . . . .	—	98.5	102.0	95.5	94.2	—	68.2	71.4	66.5	65.3

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Aug. 1972 P	July 1972 P	June 1972	Aug. 1971	July 1971	Aug. 1972 P	July 1972 P	June 1972	Aug. 1971	July 1971
<i>Durable Goods--Continued</i>											
35	<b>MACHINERY, EXCEPT ELECTRICAL . . . . .</b>	1,838.7	1,829.5	1,848.2	1,767.6	1,772.4	1,218.4	1,209.5	1,227.0	1,146.5	1,150.8
351	Engines and turbines . . . . .	(*)	114.9	117.3	115.8	115.7	(*)	75.5	77.1	76.6	76.8
3511	Steam engines and turbines . . . . .	-	43.2	44.9	44.3	43.7	-	23.4	24.8	25.3	24.9
3519	Internal combustion engines, n e c . . . . .	-	71.7	72.4	71.5	72.0	-	52.1	52.3	51.3	51.9
352	Farm machinery . . . . .	-	132.5	135.5	118.2	116.2	-	94.1	96.8	81.3	79.1
353	Construction and related machinery . . . . .	285.6	286.5	285.9	275.5	276.6	187.6	187.7	187.3	176.5	178.6
3531,2	Construction and mining machinery . . . . .	-	149.5	150.3	144.6	145.6	-	99.2	99.8	94.5	96.4
3533	Oil field machinery . . . . .	-	47.6	47.3	45.3	45.3	-	33.1	32.7	30.6	30.6
3535,6	Conveyors, hoists, cranes, monorails . . . . .	-	41.3	40.6	38.8	39.4	-	26.6	26.2	24.0	24.4
3537	Industrial trucks and tractors . . . . .	-	32.2	32.0	30.7	29.7	-	20.7	20.6	19.3	18.4
354	Metal working machinery . . . . .	264.3	266.2	269.8	253.2	251.6	191.5	192.6	196.2	181.3	179.4
3541	Machine tools, metal cutting types . . . . .	-	51.6	52.0	49.1	49.8	-	32.6	33.0	31.1	31.1
3544	Special dies, tools, jigs, & fixtures . . . . .	-	101.7	105.2	97.6	95.5	-	81.4	84.7	77.0	75.2
3545	Machine tool accessories . . . . .	-	45.5	44.9	43.4	43.5	-	32.1	31.8	29.9	30.0
3542,8	Misc. metal working machinery . . . . .	-	67.4	67.7	63.1	62.8	-	46.5	46.7	43.3	43.1
355	Special industry machinery . . . . .	177.0	177.6	179.5	176.3	175.8	115.2	115.5	117.3	113.4	112.4
3551	Food products machinery . . . . .	-	40.1	40.0	39.4	38.7	-	25.3	25.3	24.1	23.5
3552	Textile machinery . . . . .	-	36.0	36.5	34.9	34.4	-	26.4	27.2	25.8	25.3
3555	Printing trades machinery . . . . .	-	26.5	27.3	27.7	28.4	-	16.2	16.6	16.9	17.2
356	General industrial machinery . . . . .	252.6	253.1	257.9	249.8	250.6	169.4	169.2	173.1	162.8	163.1
3561	Pumps and compressors . . . . .	-	70.2	70.6	67.6	68.4	-	43.3	43.7	39.6	40.2
3562	Ball and roller bearings . . . . .	-	47.6	50.0	48.3	49.1	-	36.7	38.6	36.3	36.7
3564	Blowers and fans . . . . .	-	32.0	32.7	32.4	32.2	-	20.0	20.6	20.9	20.5
3566	Power transmission equipment . . . . .	-	48.7	49.0	47.0	46.8	-	34.7	34.8	32.6	32.6
357	Office and computing machines . . . . .	238.9	236.5	237.8	242.3	246.1	107.2	106.1	107.7	109.6	112.9
3573	Electronic computing equipment . . . . .	-	166.0	165.0	168.2	171.2	-	57.7	57.8	59.9	62.7
358	Service industry machines . . . . .	(*)	147.0	147.5	136.2	138.8	(*)	102.0	102.8	92.0	95.1
3585	Refrigeration machinery . . . . .	-	97.8	97.9	89.7	91.5	-	68.9	69.2	61.1	62.9
359	Misc. machinery, except electrical . . . . .	(*)	215.2	217.0	200.3	201.0	(*)	166.8	168.7	153.0	153.4
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	1,844.1	1,827.0	1,849.4	1,777.2	1,758.7	1,236.7	1,220.2	1,243.4	1,171.0	1,153.1
361	Electric test & distributing equipment . . . . .	202.0	201.1	202.6	194.3	193.5	137.7	136.9	138.2	131.2	130.1
3611	Electric measuring instruments . . . . .	-	67.9	68.3	62.7	62.5	-	41.8	42.2	38.2	38.0
3612	Transformers . . . . .	-	55.0	55.0	53.2	52.3	-	40.3	40.3	38.4	37.4
3613	Switchgear and switchboard apparatus . . . . .	-	78.2	79.3	78.4	78.7	-	54.8	55.7	54.6	54.7
362	Electrical industrial apparatus . . . . .	(*)	207.8	209.6	196.3	195.9	(*)	143.9	145.5	133.3	132.0
3621	Motors and generators . . . . .	-	111.4	112.7	105.2	104.8	-	79.4	80.5	72.7	71.9
3622	Industrial controls . . . . .	-	57.4	57.3	53.3	52.7	-	37.0	36.9	33.9	33.3
363	Household appliances . . . . .	198.9	194.9	199.4	182.8	181.6	157.3	154.6	159.4	143.7	142.7
3632	Household refrigerators and freezers . . . . .	-	61.4	62.2	55.2	58.3	-	50.4	51.0	44.2	47.6
3633	Household laundry equipment . . . . .	-	28.0	29.5	28.8	28.8	-	22.5	24.0	23.7	23.6
3634	Electric housewares and fans . . . . .	-	49.5	50.3	47.6	44.7	-	38.8	39.9	36.9	33.9
364	Electric lighting and wiring equipment . . . . .	192.8	189.6	193.8	181.9	176.8	148.7	145.6	150.2	138.9	134.2
3641	Electric lamps . . . . .	-	34.3	34.8	34.7	34.1	-	30.0	30.8	30.5	29.9
3642	Lighting fixtures . . . . .	-	63.9	65.7	62.5	58.8	-	48.4	50.5	47.8	44.2
3643,4	Wiring devices . . . . .	-	91.4	93.3	84.7	83.9	-	67.2	68.9	60.6	60.1
365	Radio and TV receiving equipment . . . . .	(*)	142.7	144.8	136.7	132.7	(*)	105.5	107.6	99.3	96.0
366	Communication equipment . . . . .	(*)	420.4	421.9	433.6	436.3	(*)	208.0	209.1	215.3	217.7
3661	Telephone and telegraph apparatus . . . . .	-	144.3	145.2	153.4	154.7	-	92.0	92.6	99.3	100.9
3662	Radio and TV communication equipment . . . . .	-	276.1	276.7	280.2	281.6	-	116.0	116.5	116.0	116.8
367	Electronic components and accessories . . . . .	351.5	350.1	353.1	332.0	327.8	236.6	233.1	236.7	217.5	214.2
3671-3	Electron tubes . . . . .	-	53.8	54.2	53.7	54.0	-	38.0	38.4	37.5	37.7
3674,9	Other electronic components . . . . .	-	296.3	298.9	278.3	273.8	-	195.1	198.3	180.0	176.5
369	Misc. electrical equipment & supplies . . . . .	122.3	120.4	124.2	119.6	114.1	93.8	92.6	96.7	91.8	86.2
3694	Engine electrical equipment . . . . .	-	64.0	66.0	60.5	58.6	-	50.7	53.0	47.2	45.4
37	<b>TRANSPORTATION EQUIPMENT</b>	1,685.1	1,622.0	1,774.5	1,694.6	1,688.7	1,184.3	1,119.7	1,269.1	1,188.7	1,181.2
371	Motor vehicles and equipment . . . . .	(*)	745.0	896.4	832.1	822.5	(*)	547.6	695.7	631.5	623.1
3711	Motor vehicles . . . . .	-	305.5	393.1	350.1	363.8	-	206.1	287.8	244.8	259.7
3712	Passenger car bodies . . . . .	-	34.6	57.5	54.0	60.6	-	23.0	47.4	44.4	51.4
3713	Truck and bus bodies . . . . .	-	37.4	40.1	38.4	35.0	-	29.2	32.0	30.4	27.1
3714	Motor vehicle parts and accessories . . . . .	-	344.2	382.2	367.0	340.8	-	271.3	310.2	294.8	268.0
3715	Truck trailers . . . . .	-	23.3	23.5	22.6	22.3	-	18.0	18.3	17.1	16.9
372	Aircraft and parts . . . . .	495.9	502.9	503.6	516.4	520.9	266.4	270.1	270.8	275.5	277.3
3721	Aircraft . . . . .	-	272.9	272.2	280.7	280.5	-	139.6	138.8	145.2	143.9
3722	Aircraft engines and engine parts . . . . .	-	138.8	139.7	145.5	149.5	-	72.4	73.4	74.9	77.8
3723,9	Other aircraft parts and equipment . . . . .	-	91.2	91.7	90.2	90.9	-	58.1	58.6	55.4	55.6
373	Ship and boat building and repairing . . . . .	175.7	175.6	178.2	163.7	164.6	141.4	141.1	143.2	133.0	133.1
3731	Ship building and repairing . . . . .	-	134.2	135.5	129.7	126.3	-	107.3	108.4	105.8	102.4

See footnotes at end of table.





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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Aug. 1972 P	July 1972 P	June 1972	Aug. 1971	July 1971	Aug. 1972 P	July 1972 P	June 1972	Aug. 1971	July 1971
	<i>Non-durable Goods--Continued</i>										
30	<b>RUBBER AND PLASTICS PRODUCTS, N.E.C.</b>	638.7	620.7	633.1	584.5	577.4	495.5	480.7	493.4	449.9	443.3
301	Tires and inner tubes.....	133.6	133.0	132.6	127.0	126.8	94.4	94.4	94.2	90.8	90.3
302,3,6	Other rubber products.....	(*)	175.6	181.2	170.1	170.1	(*)	137.8	143.3	132.4	132.3
302	Rubber footwear.....	-	25.5	27.6	27.0	26.0	-	21.6	23.6	23.2	22.4
307	Miscellaneous plastics products.....	320.4	312.1	319.3	287.4	280.5	255.1	248.5	255.9	226.7	220.7
31	<b>LEATHER AND LEATHER PRODUCTS...</b>	325.5	305.0	320.6	313.2	300.0	280.1	262.5	275.8	267.8	254.7
311	Leather tanning and finishing.....	25.5	25.4	26.4	25.6	25.7	22.3	21.9	22.8	22.1	22.2
314	Footwear, except rubber.....	(*)	202.9	214.3	211.0	200.3	(*)	177.3	187.1	183.2	172.8
312,3,5-7,9	Other leather products.....	80.5	76.7	79.9	76.6	74.0	66.8	63.3	65.9	62.5	59.7
316	Luggage.....	-	15.5	16.9	15.4	15.9	-	11.8	12.9	11.8	12.1
317	Handbags and personal leather goods.....	-	35.7	35.9	35.5	33.2	-	30.5	30.5	30.1	27.8
	<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,583	4,579	4,589	4,486	4,534	3,957	3,954	3,969	3,890	3,926
40	<b>RAILROAD TRANSPORTATION.....</b>	-	584.8	585.1	594.4	616.4	-	-	-	-	-
4011	Class I railroads <sup>2</sup> .....	-	529.1	529.0	538.9	554.8	-	-	-	-	-
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT.....</b>	-	238.5	257.1	243.5	246.8	-	-	-	-	-
41	Local and suburban transportation.....	-	65.1	65.9	68.1	68.6	-	60.7	61.8	63.8	64.4
412	Taxicabs.....	-	97.0	99.3	102.0	103.8	-	-	-	-	-
413	Intercity highway transportation.....	-	42.8	42.7	45.5	45.5	-	39.1	38.9	41.8	41.8
42	<b>TRUCKING AND WAREHOUSING.....</b>	1,156.4	1,155.4	1,127.9	1,133.9	1,133.9	-	1,044.5	1,043.0	1,017.4	1,023.2
421,3	Trucking and trucking terminals.....	1,072.8	1,073.1	1,041.5	1,048.2	1,048.2	-	973.1	972.9	943.0	949.4
422	Public warehousing.....	-	83.6	82.3	86.4	85.7	-	71.4	70.1	74.4	73.8
45	<b>TRANSPORTATION BY AIR.....</b>	-	329.8	336.0	336.5	336.3	-	-	-	-	-
451,2	Air transportation.....	-	310.5	307.0	309.2	309.1	-	-	-	-	-
46	<b>PIPE LINE TRANSPORTATION.....</b>	-	18.8	18.7	18.7	18.7	-	14.8	14.7	14.8	14.8
44,47	<b>OTHER TRANSPORTATION AND SERVICES</b>	-	325.0	323.8	310.1	306.7	-	-	-	-	-
44	Water transportation.....	-	220.4	219.3	201.4	196.8	-	-	-	-	-
47	Transportation services.....	-	104.6	104.5	108.7	109.9	-	-	-	-	-
48	<b>COMMUNICATION.....</b>	1,173.3	1,166.6	1,124.1	1,142.5	1,142.5	-	913.4	908.4	884.3	896.4
481	Telephone communication.....	988.8	982.7	942.1	977.9	977.9	-	778.3	773.0	744.2	773.2
482	Telegraph communication <sup>3</sup> .....	(*)	24.6	(*)	(*)	(*)	-	(*)	16.7	(*)	(*)
483	Radio and television broadcasting.....	-	131.8	131.7	132.7	133.1	-	106.4	106.7	107.8	108.5
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	752.3	746.6	730.7	732.2	-	644.3	638.9	627.1	628.5
491	Electric companies and systems.....	-	313.1	311.7	304.1	303.4	-	267.8	266.6	259.9	259.2
492	Gas companies and systems.....	-	178.0	176.1	172.9	173.8	-	151.2	149.6	147.3	147.9
493	Combination companies and systems.....	-	198.4	196.6	194.1	195.0	-	170.1	168.2	167.4	168.5
494-7	Water, steam, & sanitary systems.....	-	62.8	62.2	59.6	60.0	-	55.2	54.5	52.5	52.9
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	15,701	15,690	15,771	15,151	15,132	13,937	13,921	14,006	13,443	13,427
50	<b>WHOLESALE TRADE.....</b>	4,015	4,013	3,997	3,886	3,877	3,368	3,362	3,350	3,250	3,239
501	Motor vehicles & automotive equipment.....	-	361.1	360.2	343.5	342.1	-	292.7	291.9	278.3	276.5
502	Drugs, chemicals, and allied products.....	-	239.1	238.2	236.9	236.7	-	194.0	193.3	190.1	190.1
503	Dry goods and apparel.....	-	154.1	154.9	152.3	151.7	-	121.3	122.0	120.8	119.8
504	Groceries and related products.....	-	591.6	588.3	563.2	564.1	-	518.4	516.7	492.6	492.7
506	Electrical goods.....	-	360.5	360.1	347.1	347.5	-	308.3	307.8	292.8	293.1
507	Hardware, plumbing & heating equipment.....	-	182.7	180.1	174.1	173.9	-	154.6	153.2	148.1	147.5
508	Machinery, equipment, and supplies.....	-	737.9	735.4	723.5	723.0	-	621.2	617.8	610.5	609.4
509	Miscellaneous wholesalers.....	-	1,284.1	1,282.2	1,248.1	1,252.5	-	1,068.2	1,066.6	1,035.2	1,039.8
52-59	<b>RETAIL TRADE.....</b>	11,686	11,677	11,774	11,265	11,255	10,569	10,559	10,656	10,193	10,188
53	<b>RETAIL GENERAL MERCHANDISE.....</b>	-	2,329.0	2,358.5	2,269.6	2,276.7	-	2,129.2	2,161.0	2,073.5	2,081.5
531	Department stores.....	-	1,527.9	1,546.4	1,479.9	1,495.2	-	1,401.7	1,421.3	1,354.5	1,369.6
532	Mail order houses.....	-	112.7	113.2	117.1	115.4	-	105.2	105.3	107.7	106.9
533	Variety stores.....	-	318.2	325.6	311.9	307.2	-	292.2	300.6	286.5	282.2
54	<b>FOOD STORES.....</b>	-	1,826.6	1,843.9	1,741.8	1,748.3	-	1,694.3	1,712.0	1,617.4	1,624.7
541-3	Grocery, meat, and vegetable stores.....	-	1,658.1	1,670.1	1,578.0	1,583.7	-	1,537.1	1,549.9	1,464.6	1,470.9

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>p</sup>	July 1972	June 1972	Aug. 1971	July 1971
<b>WHOLESALE AND RETAIL TRADE (Continued)</b>											
56	<b>APPAREL AND ACCESSORY STORES . . . . .</b>		708.8	723.9	704.6	704.4	-	628.3	642.9	625.3	625.6
561	Men's & boys' clothing & furnishings . . . . .		125.7	128.2	123.3	124.1	-	111.4	113.8	109.6	110.4
562	Women's ready-to-wear stores . . . . .		269.8	276.3	266.8	265.8	-	241.9	247.7	238.1	237.9
565	Family clothing stores . . . . .		98.9	100.3	99.8	101.5	-	91.5	92.9	92.0	93.5
566	Shoe stores . . . . .		145.3	147.8	144.3	143.8	-	122.5	125.3	123.3	122.6
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>		474.7	476.5	457.1	458.1	-	411.1	413.6	396.3	396.9
571	Furniture and home furnishings . . . . .		300.0	300.4	291.6	291.4	-	259.3	259.9	250.9	250.3
58	<b>EATING AND DRINKING PLACES . . . . .</b>		2,734.2	2,745.6	2,637.3	2,610.1	-	2,567.5	2,577.5	2,473.0	2,448.3
52,55,59	<b>OTHER RETAIL TRADE . . . . .</b>		3,603.5	3,625.2	3,455.0	3,457.1	-	3,128.2	3,149.3	3,007.2	3,010.9
52	Building materials and farm equipment . . . . .		591.9	589.0	564.5	565.9	-	512.1	509.5	487.0	488.7
55	Automotive dealers & service stations . . . . .		1,702.5	1,712.5	1,649.4	1,651.4	-	-	-	-	-
551,2	Motor vehicle dealers . . . . .		771.9	773.1	756.1	757.2	-	647.8	648.7	636.1	637.0
553,9	Other automotive & accessory dealers . . . . .		270.6	271.5	253.0	254.8	-	231.3	231.4	217.1	219.2
554	Gasoline service stations . . . . .		660.0	667.9	640.3	639.4	-	-	-	-	-
59	Miscellaneous retail stores . . . . .		1,309.1	1,323.7	1,241.1	1,239.8	-	-	-	-	-
591	Drug stores and proprietary stores . . . . .		465.8	470.6	447.7	447.8	-	419.0	422.8	400.8	400.6
594	Book and stationery stores . . . . .		60.3	61.9	60.6	59.8	-	51.5	52.8	52.0	50.9
596	Farm and garden supply stores . . . . .		111.8	113.9	103.8	104.5	-	-	-	-	-
598	Fuel and ice dealers . . . . .		104.0	105.1	103.8	104.6	-	88.8	89.9	88.9	89.9
<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>4</sup> . . . . .</b>											
		4,003	3,993	3,969	3,865	3,867	3,141	3,133	3,114	3,048	3,052
60	Banking . . . . .	-	1,123.1	1,114.4	1,092.2	1,093.0	-	910.4	903.4	893.8	895.2
61	Credit agencies other than banks . . . . .	-	406.8	403.0	382.9	382.8	-	317.3	313.5	298.0	298.4
612	Savings and loan associations . . . . .	-	136.5	134.0	120.9	120.6	-	111.1	108.5	96.8	96.7
614	Personal credit institutions . . . . .	-	196.5	195.5	191.8	192.6	-	-	-	-	-
62	Security, commodity brokers & services . . . . .	-	213.1	212.4	211.1	212.5	-	180.2	179.5	179.2	180.9
63	Insurance carriers . . . . .	-	1,102.4	1,093.8	1,077.5	1,078.6	-	759.2	753.9	747.9	749.0
631	Life insurance . . . . .	-	565.0	562.0	559.7	561.4	-	330.2	328.7	330.0	331.6
632	Accident and health insurance . . . . .	-	100.1	99.8	97.5	97.5	-	84.9	84.8	84.0	84.1
633	Fire, marine, and casualty insurance . . . . .	-	382.0	377.5	370.6	370.2	-	297.3	294.4	292.5	292.2
634	Insurance agents, brokers, and service . . . . .	-	292.8	292.6	285.4	283.1	-	-	-	-	-
65	Real estate . . . . .	-	761.8	760.7	727.0	729.0	-	-	-	-	-
655	Subdividers and developers . . . . .	-	127.1	126.2	114.4	115.4	-	-	-	-	-
656	Operative builders . . . . .	-	57.5	56.8	52.9	52.5	-	-	-	-	-
66,67	Other finance, insurance, & real estate . . . . .	-	93.2	92.2	88.5	88.4	-	-	-	-	-
<b>SERVICES . . . . .</b>											
		12,492	12,528	12,540	11,994	12,040	11,300	11,332	11,359	10,853	10,899
70	Hotels and other lodging places . . . . .	-	936.9	872.6	882.9	878.1	-	-	-	-	-
701	Hotels, tourist courts, and motels . . . . .	-	735.5	718.6	722.4	726.8	-	683.1	667.5	670.9	675.7
72	Personal services . . . . .	-	922.2	936.9	932.2	939.6	-	-	-	-	-
721	Laundries and dry cleaning plants . . . . .	-	449.6	455.8	473.5	478.7	-	408.1	413.5	429.3	434.5
722	Photographic studios . . . . .	-	38.3	39.1	36.4	36.5	-	33.7	34.8	31.7	31.8
73	Miscellaneous business services . . . . .	-	1,739.5	1,730.3	1,636.7	1,631.9	-	-	-	-	-
731	Advertising . . . . .	-	120.0	119.8	118.0	118.9	-	-	-	-	-
732	Credit reporting and collection . . . . .	-	82.3	81.2	79.4	79.6	-	-	-	-	-
734	Services to buildings . . . . .	-	328.9	327.7	303.2	300.6	-	-	-	-	-
76	Miscellaneous repair services . . . . .	-	179.7	181.2	180.7	180.5	-	-	-	-	-
78	Motion pictures . . . . .	-	205.0	199.7	207.5	206.9	-	-	-	-	-
781	Motion picture filming & distributing . . . . .	-	51.3	48.9	50.8	49.7	-	34.0	31.5	32.6	32.0
782,3	Motion picture theaters and services . . . . .	-	153.7	150.8	156.7	157.2	-	-	-	-	-
80	Medical and other health services . . . . .	-	3,451.1	3,433.6	3,273.3	3,270.4	-	-	-	-	-
806	Hospitals . . . . .	-	2,029.2	2,019.9	1,972.3	1,976.2	-	1,855.3	1,847.8	1,805.0	1,808.8
81	Legal services . . . . .	-	274.4	271.2	256.9	257.6	-	-	-	-	-
82	Educational services . . . . .	-	1,024.9	1,131.8	973.5	998.3	-	-	-	-	-
821	Elementary and secondary schools . . . . .	-	348.3	403.9	332.0	337.5	-	-	-	-	-
822	Colleges and universities . . . . .	-	548.3	596.9	525.0	545.1	-	-	-	-	-
89	Miscellaneous services . . . . .	-	720.3	710.8	678.1	679.1	-	-	-	-	-
891	Engineering & architectural services . . . . .	-	338.6	334.2	314.9	314.3	-	-	-	-	-
892	Nonprofit research agencies . . . . .	-	118.0	116.7	110.1	110.2	-	-	-	-	-

See footnotes at end of table.



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

(In thousands)

SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971
-	<b>GOVERNMENT</b> .....	12,751	12,830	13,316	12,261	12,338	-	-	-	-	-
91	<b>FEDERAL GOVERNMENT</b> <sup>2</sup> .....	2,645	2,650	2,659	2,690	2,688	-	-	-	-	-
	Executive .....	-	-	2,617.6	2,649.8	2,647.6	-	-	-	-	-
	Department of Defense .....	-	-	988.4	1,001.4	1,001.4	-	-	-	-	-
	Postal Service .....	-	-	694.2	713.7	709.8	-	-	-	-	-
	Other agencies .....	-	-	935.0	934.7	936.4	-	-	-	-	-
	Legislative .....	-	-	33.6	32.3	32.3	-	-	-	-	-
	Judicial .....	-	-	8.2	7.9	7.8	-	-	-	-	-
92,93	<b>STATE AND LOCAL GOVERNMENT</b> ...	10,106	10,180	10,657	9,571	9,650	-	-	-	-	-
92	State government .....	-	2,778.9	2,831.3	2,644.8	2,652.6	-	-	-	-	-
	State education .....	-	1,032.5	1,127.2	971.8	982.7	-	-	-	-	-
	Other State government .....	-	1,746.4	1,704.1	1,673.0	1,669.9	-	-	-	-	-
93	Local government .....	-	7,401.1	7,826.1	6,926.0	6,997.5	-	-	-	-	-
	Local education .....	-	3,761.1	4,335.1	3,511.8	3,561.3	-	-	-	-	-
	Other local government .....	-	3,640.0	3,491.0	3,414.2	3,436.2	-	-	-	-	-

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

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

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

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

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

<sup>p</sup> Not available.

<sup>p</sup> preliminary.



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

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

Industry division and group	(In thousands)												
	1972								1971				
	Aug. p	July p	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>TOTAL . . . . .</b>	72,871	72,592	72,630	72,558	72,263	72,030	71,729	71,584	71,185	71,042	70,848	70,853	70,529
<b>GOODS-PRODUCING . . . . .</b>	22,821	22,689	22,844	22,831	22,706	22,662	22,538	22,545	22,418	20,448	22,371	22,482	22,285
<b>MINING . . . . .</b>	595	597	598	602	603	613	612	616	607	525	521	616	609
<b>CONTRACT CONSTRUCTION . . . . .</b>	3,227	3,177	3,247	3,256	3,233	3,272	3,236	3,320	3,245	3,320	3,290	3,250	3,219
<b>MANUFACTURING . . . . .</b>	18,999	18,915	18,999	18,973	18,870	18,777	18,690	18,609	18,566	18,603	18,560	18,616	18,457
<b>DURABLE GOODS . . . . .</b>	10,887	10,849	10,866	10,857	10,770	10,696	10,637	10,574	10,548	10,572	10,561	10,597	10,485
Ordnance and accessories . . . . .	195	192	190	187	185	183	182	183	184	186	189	190	191
Lumber and wood products . . . . .	615	612	608	608	608	604	603	604	600	601	597	591	583
Furniture and fixtures . . . . .	496	495	491	489	486	484	481	478	474	470	467	465	456
Stone, clay, and glass products . . . . .	653	652	656	655	646	645	641	640	632	634	631	633	627
Primary metal industries . . . . .	1,223	1,214	1,220	1,226	1,219	1,213	1,187	1,186	1,176	1,178	1,187	1,182	1,156
Fabricated metal products . . . . .	1,375	1,376	1,377	1,377	1,365	1,356	1,345	1,336	1,331	1,339	1,341	1,346	1,331
Machinery, except electrical . . . . .	1,846	1,828	1,832	1,826	1,802	1,792	1,798	1,784	1,793	1,797	1,791	1,794	1,775
Electrical equipment . . . . .	1,839	1,842	1,851	1,841	1,828	1,812	1,803	1,792	1,793	1,791	1,793	1,791	1,772
Transportation equipment . . . . .	1,768	1,764	1,762	1,778	1,764	1,743	1,736	1,716	1,719	1,732	1,720	1,758	1,754
Instruments and related products . . . . .	459	452	452	447	441	439	438	436	434	436	437	435	430
Miscellaneous manufacturing . . . . .	418	422	427	423	426	425	423	419	412	408	408	412	410
<b>NONDURABLE GOODS . . . . .</b>	8,112	8,066	8,133	8,116	8,100	8,081	8,053	8,035	8,018	8,031	7,999	8,019	7,972
Food and kindred products . . . . .	1,743	1,753	1,764	1,750	1,751	1,757	1,749	1,757	1,748	1,750	1,728	1,755	1,748
Tobacco manufactures . . . . .	70	73	74	74	75	73	71	71	69	71	69	72	70
Textile mill products . . . . .	999	991	994	995	989	988	981	979	974	970	963	960	959
Apparel and other textile products . . . . .	1,354	1,340	1,360	1,364	1,376	1,365	1,365	1,353	1,357	1,370	1,365	1,361	1,351
Paper and allied products . . . . .	706	699	702	702	697	692	689	688	690	691	693	694	681
Printing and publishing . . . . .	1,091	1,089	1,096	1,097	1,093	1,092	1,090	1,090	1,084	1,084	1,085	1,082	1,080
Chemicals and allied products . . . . .	1,005	998	1,007	1,006	1,000	1,002	1,003	1,003	1,005	1,008	1,008	1,008	1,004
Petroleum and coal products . . . . .	187	187	189	190	190	191	192	188	191	189	189	190	188
Rubber and plastics products, nec . . . . .	636	628	631	623	617	612	604	600	594	592	594	591	582
Leather and leather products . . . . .	321	308	316	315	312	309	309	306	306	306	305	306	309
<b>SERVICE-PRODUCING . . . . .</b>	50,050	49,903	49,786	49,727	49,557	49,368	49,191	49,039	48,767	48,594	48,477	48,371	48,244
<b>TRANSPORTATION AND PUBLIC UTILITIES . . . . .</b>	4,524	4,520	4,539	4,539	4,522	4,536	4,479	4,502	4,465	4,434	4,442	4,460	4,428
<b>WHOLESALE AND RETAIL TRADE . . . . .</b>	15,775	15,716	15,712	15,671	15,647	15,518	15,495	15,447	15,315	15,278	15,270	15,273	15,223
<b>WHOLESALE TRADE . . . . .</b>	3,971	3,969	3,973	3,970	3,949	3,941	3,913	3,902	3,884	3,874	3,873	3,865	3,844
<b>RETAIL TRADE . . . . .</b>	11,804	11,747	11,739	11,701	11,698	11,577	11,582	11,545	11,431	11,404	11,397	11,408	11,379
<b>FINANCE, INSURANCE, AND REAL ESTATE . . . . .</b>	3,940	3,930	3,938	3,921	3,897	3,890	3,879	3,872	3,860	3,851	3,834	3,821	3,804
<b>SERVICES . . . . .</b>	12,442	12,404	12,379	12,303	12,254	12,217	12,177	12,120	12,089	12,044	11,996	11,962	11,946
Hotels and other lodging places . . . . .	-	806	834	813	806	814	813	813	801	785	784	796	760
Personal services . . . . .	-	916	922	926	927	929	933	932	932	941	937	938	935
Medical and other health services . . . . .	-	3,420	3,410	3,414	3,385	3,369	3,352	3,336	3,323	3,306	3,297	3,283	3,260
Educational services . . . . .	-	1,173	1,179	1,183	1,187	1,185	1,171	1,160	1,165	1,168	1,165	1,160	1,139
<b>GOVERNMENT . . . . .</b>	13,369	13,333	13,218	13,293	13,237	13,207	13,161	13,098	13,038	12,987	12,935	12,855	12,843
<b>FEDERAL . . . . .</b>	2,606	2,606	2,625	2,670	2,669	2,669	2,672	2,675	2,669	2,669	2,675	2,674	2,650
<b>STATE AND LOCAL . . . . .</b>	10,763	10,727	10,593	10,623	10,568	10,538	10,489	10,423	10,369	10,318	10,260	10,181	10,193

p = preliminary.

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

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**B-6: Production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls,  
seasonally adjusted**

Industry division and group	(In thousands)												
	1972							1971					
	Aug. p	July p	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>TOTAL . . . . .</b>	49,232	49,021	49,179	49,055	48,848	48,634	48,409	48,357	48,027	47,959	47,824	47,925	47,640
<b>GOODS-PRODUCING . . . . .</b>	16,995	16,885	17,018	17,000	16,891	16,845	16,729	16,755	16,613	16,642	16,570	16,678	16,502
<b>MINING . . . . .</b>	448	450	449	455	455	465	464	465	457	376	374	466	460
<b>CONTRACT CONSTRUCTION . . . . .</b>	2,655	2,617	2,683	2,693	2,666	2,703	2,668	2,763	2,682	2,761	2,734	2,697	2,671
<b>MANUFACTURING . . . . .</b>	13,892	13,818	13,886	13,852	13,770	13,677	13,597	13,527	13,474	13,505	13,462	13,515	13,371
<b>DURABLE GOODS . . . . .</b>	7,929	7,886	7,899	7,886	7,815	7,741	7,685	7,629	7,594	7,614	7,600	7,630	7,534
Ordnance and accessories . . . . .	99	96	95	92	91	89	89	90	90	92	93	94	94
Lumber and wood products . . . . .	531	528	524	523	523	520	519	520	516	519	515	509	503
Furniture and fixtures . . . . .	411	410	406	403	402	400	397	395	391	388	384	383	375
Stone, clay, and glass products . . . . .	522	522	523	523	515	514	511	510	502	504	502	502	497
Primary metal industries . . . . .	976	966	971	977	969	961	937	934	920	922	932	926	901
Fabricated metal products . . . . .	1,055	1,052	1,054	1,054	1,043	1,034	1,024	1,016	1,011	1,018	1,020	1,026	1,016
Machinery, except electrical . . . . .	1,232	1,214	1,215	1,207	1,185	1,174	1,178	1,168	1,174	1,177	1,171	1,175	1,159
Electrical equipment . . . . .	1,233	1,238	1,247	1,237	1,224	1,212	1,205	1,192	1,191	1,189	1,190	1,185	1,167
Transportation equipment . . . . .	1,265	1,257	1,257	1,272	1,265	1,243	1,234	1,219	1,221	1,230	1,216	1,251	1,248
Instruments and related products . . . . .	278	273	273	268	265	262	261	260	259	261	261	260	256
Miscellaneous manufacturing . . . . .	327	330	334	330	333	332	330	325	319	314	316	319	318
<b>NONDURABLE GOODS . . . . .</b>	5,963	5,932	5,987	5,966	5,955	5,936	5,912	5,898	5,880	5,891	5,862	5,885	5,837
Food and kindred products . . . . .	1,169	1,183	1,193	1,177	1,180	1,183	1,177	1,183	1,175	1,177	1,156	1,185	1,179
Tobacco manufactures . . . . .	57	60	61	62	62	61	58	58	57	58	56	58	56
Textile mill products . . . . .	879	871	874	874	870	869	862	862	855	851	845	842	841
Apparel and other textile products . . . . .	1,181	1,168	1,187	1,191	1,201	1,191	1,190	1,180	1,185	1,198	1,193	1,189	1,180
Paper and allied products . . . . .	545	540	541	540	535	532	529	528	529	530	532	533	520
Printing and publishing . . . . .	666	662	667	669	667	666	666	666	661	661	663	661	658
Chemicals and allied products . . . . .	582	579	584	581	577	576	578	581	580	581	581	581	577
Petroleum and coal products . . . . .	115	115	116	116	116	117	119	114	118	116	116	116	115
Rubber and plastics products, nec . . . . .	493	488	492	485	479	476	468	464	459	458	460	458	447
Leather and leather products . . . . .	276	266	272	271	268	265	265	262	261	261	260	261	264
<b>SERVICE-PRODUCING . . . . .</b>	32,237	32,136	32,161	32,055	31,957	31,789	31,680	31,602	31,414	31,317	31,254	31,247	31,138
<b>TRANSPORTATION AND PUBLIC UTILITIES . . . . .</b>	3,902	3,892	3,922	3,925	3,914	3,923	3,866	3,897	3,860	3,831	3,839	3,860	3,836
<b>WHOLESALE AND RETAIL TRADE . . . . .</b>	14,004	13,952	13,951	13,928	13,902	13,766	13,748	13,694	13,577	13,555	13,544	13,549	13,507
<b>WHOLESALE TRADE . . . . .</b>	3,328	3,319	3,327	3,326	3,306	3,299	3,267	3,258	3,243	3,233	3,231	3,222	3,211
<b>RETAIL TRADE . . . . .</b>	10,676	10,633	10,624	10,602	10,596	10,467	10,481	10,436	10,334	10,322	10,313	10,327	10,296
<b>FINANCE, INSURANCE, AND REAL ESTATE . . . . .</b>	3,076	3,072	3,086	3,071	3,050	3,048	3,041	3,037	3,029	3,027	3,015	3,006	2,985
<b>SERVICES . . . . .</b>	11,255	11,220	11,202	11,131	11,091	11,052	11,025	10,974	10,948	10,904	10,856	10,832	10,810

<sup>1</sup> For coverage of series, see footnote 1, table B-2.  
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		
		July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971
1	ALABAMA	1,036.4	1,039.4	1,023.0	7.8	8.0	8.0	53.1	51.3	55.3	320.8	322.4	319.9
2	Birmingham	268.0	267.4	263.9	4.9	5.1	5.1	17.2	17.1	16.9	67.4	67.1	71.2
3	Huntsville	80.7	81.3	79.6	(1)	(1)	(1)	2.8	2.7	2.8	13.4	13.9	13.2
4	Mobile	102.0	103.0	101.2	(1)	(1)	(1)	6.4	6.3	6.6	23.1	23.2	22.0
5	Montgomery	73.4	73.2	71.3	(1)	(1)	(1)	5.5	5.4	5.8	10.8	10.8	10.6
6	Tuscaloosa	41.0	40.6	39.3	(1)	(1)	(1)	2.9	2.6	3.0	11.3	11.3	11.0
7	ALASKA	111.6	108.7	107.4	2.5	2.6	2.7	8.7	7.8	9.0	14.2	12.7	13.9
8	ARIZONA	623.2	623.0	566.3	23.0	22.9	11.6	50.4	49.9	45.9	94.7	94.9	87.9
9	Phoenix	364.4	365.4	339.5	.4	.4	.4	29.1	28.9	26.0	72.4	72.3	68.5
10	Tucson	122.1	122.1	111.9	7.0	7.0	5.7	11.5	11.5	10.7	9.7	9.7	8.8
11	ARKANSAS	569.6	566.9	550.8	4.5	4.4	4.4	26.6	26.5	29.2	178.3	178.9	170.9
12	Fayetteville	27.0	26.8	26.0	(1)	(1)	(1)	1.2	1.2	1.4	8.3	8.2	7.8
13	Fort Smith	48.7	48.3	47.0	.5	.5	.6	1.9	1.9	2.4	17.8	17.8	17.0
14	Little Rock-North Little Rock	132.6	133.1	129.3	(1)	(1)	(1)	10.8	10.9	9.8	27.4	27.9	27.3
15	Pine Bluff	23.9	23.8	23.9	(1)	(1)	(1)	.8	.8	.8	5.7	5.6	5.6
16	CALIFORNIA	7,116.2	7,137.9	6,926.5	29.5	29.2	30.9	297.1	296.2	295.4	1,512.6	1,506.3	1,471.9
17	Anaheim-Santa Ana-Garden Grove	440.7	441.1	415.3	2.0	2.0	1.9	24.2	23.8	20.7	120.4	118.9	113.8
18	Bakersfield	96.7	95.5	93.8	6.2	6.0	6.5	3.7	3.5	3.8	8.3	7.9	8.0
19	Fresno	128.8	128.8	121.6	.7	.7	.7	6.0	5.9	5.7	20.2	19.1	18.7
20	Los-Angeles-Long Beach	2,850.1	2,856.3	2,791.6	10.6	10.5	10.6	90.6	89.5	97.0	779.1	780.5	747.3
21	Modesto	60.6	57.1	58.7	.1	.1	.1	4.6	4.4	3.8	16.9	13.9	17.6
22	Oxnard-Simi Valley-Ventura	98.4	98.9	93.4	1.7	1.7	1.7	4.6	4.7	4.6	12.8	13.1	12.3
23	Riverside-San Bernardino-Ontario	302.7	306.2	294.4	2.2	2.2	2.6	13.5	13.5	14.2	52.9	52.4	51.7
24	Sacramento	274.8	276.3	266.5	.1	.1	.1	15.4	14.8	13.5	21.6	20.8	20.9
25	Salinas-Seaside-Monterey	69.2	68.3	65.8	.5	.5	.5	2.7	2.6	2.3	7.5	7.3	7.4
26	San Diego	408.8	407.7	394.8	.5	.5	.5	23.1	22.7	22.1	57.5	57.3	60.8
27	San Francisco-Oakland	1,235.8	1,247.9	1,223.4	1.5	1.5	1.8	55.5	57.3	56.9	184.2	186.3	188.7
28	San Jose	388.7	387.9	376.9	.1	.1	.1	16.7	17.3	18.1	121.5	116.3	120.0
29	Santa Barbara-Santa Maria-Lompoc	81.6	82.8	79.6	.9	.9	.9	3.7	3.5	3.4	9.2	9.3	9.3
30	Santa Rosa	55.6	55.1	53.0	.3	.3	.3	2.9	2.7	2.6	7.4	7.2	7.0
31	Stockton	93.7	92.3	87.9	.1	.1	.1	5.3	4.9	4.6	20.7	16.9	17.5
32	Vallejo-Fairfield-Napa	71.8	72.4	70.8	.2	.2	.2	3.1	3.0	2.7	7.8	7.3	8.1
33	COLORADO	810.9	808.4	776.7	13.7	13.6	13.6	52.7	46.7	47.5	122.6	122.4	119.0
34	Denver	515.3	511.8	497.5	5.5	5.5	5.3	33.0	29.5	31.1	88.1	87.9	85.6
35	CONNECTICUT	1,173.6	1,188.7	1,165.4	(2)	(2)	(2)	60.0	58.7	60.6	393.1	400.5	396.3
36	Bridgeport	142.5	144.4	143.6	(2)	(2)	(2)	4.9	4.6	5.9	60.5	61.6	61.0
37	Hartford	313.9	318.5	316.9	(2)	(2)	(2)	16.0	15.8	15.4	80.3	81.9	85.8
38	New Britain	43.7	44.5	43.9	(2)	(2)	(2)	2.0	1.9	2.1	21.6	21.7	21.6
39	New Haven	156.2	157.4	155.9	(2)	(2)	(2)	8.8	8.3	9.0	38.1	38.3	38.5
40	Stamford	83.2	83.5	82.0	(2)	(2)	(2)	3.8	3.8	3.8	27.1	27.1	26.9
41	Waterbury	77.3	78.5	76.9	(2)	(2)	(2)	4.3	4.1	3.9	33.0	33.7	33.4
42	DELAWARE	216.2	219.7	212.5	(1)	(1)	(1)	14.7	14.8	13.9	69.6	70.9	68.4
43	Wilmington	195.6	196.9	192.1	(1)	(1)	(1)	14.4	14.5	13.5	65.7	65.5	65.8
44	DISTRICT OF COLUMBIA <sup>3</sup>	698.2	689.2	704.4	(1)	(1)	(1)	17.8	15.6	18.9	17.0	17.5	18.1
45	Washington SMSA	1,233.4	1,230.4	1,219.7	(1)	(1)	(1)	73.1	69.8	73.7	44.3	44.5	45.0
46	FLORIDA	2,244.6	2,282.9	2,154.1	9.2	9.3	9.3	172.2	170.9	169.1	317.1	322.1	310.1
47	Fort Lauderdale-Hollywood	186.9	190.2	174.7	(1)	(1)	(1)	23.5	23.3	22.8	21.0	21.1	18.9
48	Jacksonville	192.1	194.0	190.6	(1)	(1)	(1)	12.5	12.5	12.4	24.6	24.1	23.7
49	Miami	521.7	527.4	512.8	(1)	(1)	(1)	31.8	31.6	31.4	79.2	79.4	76.3
50	Orlando	170.0	170.5	151.8	(1)	(1)	(1)	17.1	16.9	22.3	22.9	23.2	20.5
51	Pensacola	71.9	71.4	68.7	(1)	(1)	(1)	6.8	6.9	6.2	14.6	14.5	14.3
52	Tampa-St. Petersburg	(*)	332.2	315.9	(1)	(1)	(1)	(*)	30.8	28.4	(*)	54.7	51.1
53	West Palm Beach	109.6	110.4	107.0	(1)	(1)	(1)	11.1	10.8	10.2	17.4	17.7	19.8
54	GEORGIA	1,612.1	1,617.7	1,568.8	7.2	7.1	6.9	86.0	85.0	83.8	456.3	462.8	449.4
55	Atlanta	636.1	638.8	622.0	(1)	(1)	(1)	35.8	34.8	37.9	107.9	111.8	108.7
56	Augusta	89.4	89.2	87.4	(1)	(1)	(1)	5.4	5.2	5.1	29.9	29.9	29.4
57	Columbus	71.3	71.5	72.2	(1)	(1)	(1)	5.0	4.9	5.0	20.0	20.0	19.3
58	Macon	77.4	78.0	78.1	(1)	(1)	(1)	3.9	3.8	4.4	14.0	13.9	13.8
59	Savannah	68.5	68.0	68.6	(1)	(1)	(1)	4.5	4.6	4.3	15.5	15.5	15.6
60	HAWAII	315.0	312.7	314.0	(1)	(1)	(1)	23.1	22.9	24.1	29.9	28.8	31.2
61	Honolulu	266.3	264.5	266.9	(1)	(1)	(1)	19.5	19.3	20.7	22.6	21.6	23.7

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			
July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	
57.5	57.4	56.2	196.2	199.1	194.5	45.0	44.8	43.3	140.2	137.6	136.4	215.8	218.8	209.4	1
19.9	19.7	19.1	61.2	61.2	60.1	18.0	18.0	17.4	39.2	39.2	38.5	40.2	40.0	35.6	2
1.6	1.6	1.6	12.5	12.4	11.9	2.3	2.3	2.1	17.7	17.8	17.3	30.4	30.6	30.7	3
9.2	9.3	9.7	25.2	25.9	24.7	5.3	5.2	5.2	17.3	16.6	17.3	15.5	16.5	15.7	4
4.0	4.0	4.0	17.1	17.0	16.2	4.5	4.5	4.3	12.7	12.8	12.0	18.8	18.7	18.4	5
1.6	1.6	1.6	6.3	6.4	6.2	1.4	1.4	1.4	4.0	4.0	4.7	13.5	13.3	11.4	6
10.8	10.8	10.4	17.1	17.0	16.2	3.6	3.6	3.4	13.8	13.8	13.3	40.9	40.4	38.5	7
32.5	32.3	31.5	144.4	143.8	131.9	36.4	36.2	33.5	106.7	106.3	96.9	135.1	136.7	127.1	8
19.4	19.2	18.6	90.9	90.7	82.9	27.3	27.2	25.1	61.0	61.0	57.3	63.9	65.7	60.7	9
6.5	6.5	6.2	27.0	26.9	24.5	5.6	5.5	5.2	21.7	21.8	20.3	33.1	33.2	30.5	10
33.2	33.3	33.4	112.3	112.9	108.3	24.6	24.5	23.1	78.6	78.5	76.4	111.5	107.9	105.1	11
2.2	2.2	2.2	5.6	5.5	5.3	.6	.6	.6	3.2	3.2	3.1	5.9	5.9	5.6	12
2.8	2.8	2.9	10.8	10.7	9.6	1.7	1.7	1.5	7.3	7.1	7.1	5.9	5.8	5.9	13
9.7	9.6	9.9	28.5	28.4	27.7	9.5	9.4	8.9	20.4	20.2	20.2	26.3	26.7	25.5	14
3.6	3.6	3.3	4.6	4.6	4.8	1.0	1.0	.9	3.2	3.2	3.3	5.0	5.0	5.2	15
465.9	460.9	453.1	1,606.9	1,601.8	1,560.8	414.0	410.8	399.8	1,329.6	1,314.4	1,294.0	1,460.6	1,518.3	1,420.6	16
15.2	15.0	14.4	106.4	105.1	99.2	25.6	25.1	23.1	78.1	77.0	75.5	68.8	74.2	66.7	17
6.8	6.4	6.5	23.5	23.7	23.2	4.0	3.9	3.7	16.5	16.4	15.5	27.7	27.7	26.6	18
8.6	8.4	8.4	34.9	33.9	33.9	5.8	5.8	5.7	23.0	22.5	21.7	29.6	32.5	26.8	19
173.3	172.2	168.4	641.6	641.6	635.7	181.6	180.5	176.1	551.9	542.0	541.7	421.4	439.5	414.8	20
2.8	2.7	2.7	13.6	12.9	13.0	1.4	1.4	1.4	10.7	10.4	10.2	10.5	11.3	9.9	21
4.6	4.5	4.0	24.1	24.0	22.8	3.8	3.8	3.8	16.2	16.0	15.0	30.6	31.1	29.2	22
17.9	17.9	17.4	69.5	70.2	67.0	10.8	10.8	10.7	58.2	58.4	55.8	77.7	80.8	75.0	23
18.2	17.8	18.0	58.2	58.0	54.6	12.1	12.0	11.8	42.2	41.5	39.8	107.0	111.3	107.8	24
4.2	4.1	4.0	18.9	18.8	18.6	2.3	2.3	2.3	13.5	13.0	13.0	19.6	19.7	17.7	25
22.4	22.2	21.2	94.2	93.5	89.7	21.8	21.7	20.6	83.4	80.5	79.4	105.9	109.3	100.5	26
131.0	129.8	125.7	266.3	266.0	263.4	103.6	102.5	99.3	225.9	226.2	221.3	267.8	278.3	266.3	27
18.5	18.3	18.0	75.5	75.7	70.9	15.7	15.7	14.6	77.6	78.2	75.3	63.1	66.3	59.9	28
3.5	3.4	3.4	19.6	19.5	18.8	3.3	3.3	3.3	21.1	20.9	20.4	20.3	22.0	20.1	29
2.9	2.9	2.8	13.9	13.5	13.4	3.7	3.7	3.4	10.1	9.9	9.9	14.4	14.9	13.6	30
6.5	6.4	6.1	19.4	20.7	18.8	3.2	3.1	3.0	15.0	15.9	14.6	23.5	24.3	23.2	31
3.9	3.8	3.7	13.5	13.4	13.1	2.0	2.0	1.9	11.1	11.3	10.9	30.2	31.4	30.2	32
55.6	54.9	53.4	192.3	189.6	182.5	43.5	43.3	41.6	139.4	138.6	137.9	191.1	199.3	181.2	33
38.3	38.2	37.4	126.7	125.6	122.6	31.7	31.6	30.7	92.8	92.2	91.6	99.2	101.3	93.2	34
51.9	54.1	50.6	229.4	233.9	225.9	80.6	80.1	78.2	200.9	199.3	195.5	157.6	162.1	158.4	35
6.1	6.2	6.2	28.6	29.0	28.3	5.0	5.0	4.9	22.2	22.1	21.8	15.3	16.0	15.3	36
11.4	12.1	11.7	61.1	63.3	61.2	49.1	48.9	47.6	50.3	50.7	49.5	45.7	45.9	45.8	37
1.4	1.4	1.4	7.2	7.3	7.2	1.3	1.3	1.2	5.7	5.7	5.7	4.6	5.2	4.6	38
14.2	14.4	14.0	32.2	32.9	32.5	8.7	8.6	8.6	33.9	34.3	33.5	20.3	20.5	19.8	39
3.5	3.7	3.4	17.2	17.4	16.9	5.3	5.2	4.9	18.4	18.2	18.0	8.0	8.2	8.1	40
3.2	3.4	2.9	13.4	13.6	13.4	2.4	2.4	2.3	11.3	11.4	11.3	9.8	10.0	9.7	41
11.0	11.1	11.3	44.5	44.8	44.5	9.7	9.7	9.7	34.4	34.2	32.5	32.3	34.2	32.2	42
10.9	11.0	10.4	38.0	38.3	38.2	8.8	8.8	8.9	29.7	29.6	27.3	28.1	29.2	28.0	43
28.3	28.1	28.7	77.1	77.5	76.5	34.3	35.0	34.6	144.9	134.7	146.1	378.8	380.8	381.5	44
60.4	60.5	60.6	237.4	238.0	230.0	74.5	74.7	72.3	271.7	262.3	269.3	472.0	480.6	468.8	45
173.5	171.6	162.0	595.3	599.4	568.7	147.5	146.1	141.2	429.1	428.3	407.1	400.7	435.2	386.6	46
11.2	10.9	10.3	54.5	55.2	51.3	14.0	13.7	12.7	37.6	37.4	33.7	25.1	28.6	25.0	47
20.0	19.9	20.4	52.4	52.5	52.4	19.7	19.7	19.4	31.1	31.3	30.8	31.8	34.0	31.5	48
58.2	58.4	58.7	137.9	139.4	135.3	37.3	37.4	36.4	119.9	119.2	117.5	57.4	62.0	57.2	49
10.0	10.0	9.1	43.5	43.9	39.8	11.3	11.3	10.6	40.5	39.2	26.4	24.7	26.0	23.1	50
3.5	3.5	3.6	15.6	15.4	14.9	2.9	2.9	2.9	10.5	10.4	9.3	18.0	17.8	17.5	51
(*)	23.2	21.7	(*)	92.0	89.8	(*)	21.7	18.9	(*)	62.4	59.6	(*)	47.4	46.4	52
5.6	5.7	5.1	29.7	30.1	27.8	7.5	7.5	7.0	22.2	22.4	21.3	16.1	16.2	15.8	53
108.7	107.8	106.6	342.4	343.3	337.9	82.3	81.6	79.9	208.5	208.2	197.2	320.7	321.9	307.1	54
61.1	61.6	58.9	178.2	177.8	171.7	47.9	47.3	46.6	100.7	100.6	98.3	104.5	104.9	99.9	55
3.6	3.6	3.8	15.9	16.0	15.4	3.1	3.2	3.1	10.4	10.3	10.2	21.1	21.0	20.4	56
3.0	3.0	3.2	13.1	13.1	13.0	4.2	4.2	4.1	9.4	9.3	9.4	16.6	17.0	18.2	57
3.3	3.3	3.4	15.7	15.7	15.1	4.2	4.2	4.1	9.3	9.2	9.4	27.0	27.9	27.9	58
7.8	7.4	8.1	15.3	15.3	15.5	3.3	3.3	3.3	9.9	9.8	9.6	12.2	12.1	12.2	59
24.9	24.8	24.4	73.1	72.6	72.1	20.0	20.0	19.4	63.8	63.5	62.2	80.2	80.1	80.6	60
20.9	20.9	20.8	61.7	61.2	61.3	18.3	18.4	17.7	53.5	53.0	52.3	69.8	70.1	70.4	61

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971
1	IDAHO .....	230.0	227.2	217.6	3.2	3.0	3.6	12.9	12.1	12.3	42.6	42.7	39.9
2	Boise City .....	49.5	48.8	45.5	(1)	(1)	(1)	3.4	3.3	2.8	5.9	5.8	5.3
3	ILLINOIS .....	4,328.2	4,351.1	4,309.0	24.8	24.5	24.6	198.5	193.3	203.4	1,266.9	1,279.2	1,258.9
4	Chicago <sup>2</sup> .....	2,964.0	2,980.3	2,965.6	4.5	4.5	4.6	126.7	125.5	127.8	866.0	877.8	869.7
5	Chicago-Northwestern Indiana .....	(*)	3,189.9	3,188.8	(*)	4.6	4.7	(*)	134.7	139.3	(*)	978.5	975.7
6	Decatur-Rock Island-Moline .....	133.4	134.1	129.9	(2)	(2)	(2)	7.0	6.8	6.7	41.5	41.6	39.9
7	Decatur .....	50.2	50.3	49.2	(2)	(2)	(2)	2.5	2.5	2.7	19.4	19.4	18.5
8	Peoria .....	129.4	130.1	130.2	(2)	(2)	(2)	9.1	8.8	8.8	45.2	45.5	47.1
9	Rockford .....	107.4	108.1	104.2	(2)	(2)	(2)	4.6	4.5	4.8	51.7	52.0	49.5
10	Springfield .....	71.9	71.6	71.2	(2)	(2)	(2)	4.5	4.2	4.3	9.5	9.4	10.3
11	INDIANA .....	1,878.3	1,886.0	1,832.4	7.2	7.1	7.4	88.3	83.3	79.2	703.8	710.7	680.6
12	Evansville .....	(*)	90.4	91.3	(*)	1.4	1.4	(*)	4.3	4.1	(*)	33.2	34.9
13	Fort Wayne .....	(*)	119.9	119.3	(*)	(1)	(1)	(*)	5.1	5.5	(*)	43.1	42.5
14	Gary-Hammond-East Chicago <sup>3</sup> .....	(*)	216.5	223.2	(*)	(1)	(1)	(*)	9.1	11.5	(*)	102.2	106.0
15	Indianapolis .....	(*)	419.0	416.0	(*)	(1)	(1)	(*)	18.6	17.7	(*)	121.2	118.1
16	Muncie .....	(*)	46.1	44.6	(*)	(1)	(1)	(*)	1.6	1.7	(*)	16.1	16.5
17	South Bend .....	(*)	94.9	92.7	(*)	(1)	(1)	(*)	4.2	3.9	(*)	31.1	29.7
18	Terre Haute .....	(*)	55.6	54.8	(*)	1.0	1.1	(*)	2.5	2.8	(*)	15.7	15.4
19	IOWA .....	904.7	921.3	879.2	3.3	3.2	3.2	46.4	44.6	43.8	216.3	220.4	205.7
20	Cedar Rapids .....	64.3	63.4	63.2	(1)	(1)	(1)	3.3	3.2	3.6	23.0	22.4	22.6
21	Des Moines .....	133.0	133.7	130.1	(1)	(1)	(1)	6.6	6.2	6.4	25.8	26.0	24.8
22	Dubuque .....	34.4	35.3	33.0	(1)	(1)	(1)	1.4	1.3	1.6	14.4	15.0	13.9
23	Sioux City .....	42.3	42.3	40.2	(1)	(1)	(1)	2.5	2.4	2.2	11.1	10.8	9.4
24	Waterloo .....	46.5	51.1	47.3	(1)	(1)	(1)	2.1	2.1	2.4	15.0	18.0	16.9
25	KANSAS .....	686.0	690.9	667.2	10.3	10.4	10.2	35.1	34.5	33.2	137.4	137.5	129.2
26	Topeka .....	65.0	65.4	63.5	.1	.1	.1	3.1	3.1	2.7	9.8	9.9	9.9
27	Wichita .....	142.7	143.0	133.7	2.3	2.3	2.4	7.3	7.4	7.1	39.9	39.6	32.6
28	KENTUCKY .....	952.1	960.3	925.2	30.4	30.2	30.4	55.6	55.0	57.1	255.7	258.4	242.4
29	Lexington .....	81.0	80.8	77.5	(1)	(1)	(1)	6.1	5.9	5.3	16.6	16.7	15.5
30	Louisville .....	334.1	334.5	322.3	(1)	(1)	(1)	17.3	16.8	16.8	106.9	108.5	100.5
31	LOUISIANA .....	1,078.1	1,080.2	1,052.1	51.9	52.0	51.3	79.1	79.7	76.5	178.0	177.3	175.5
32	Baton Rouge .....	113.5	113.2	109.3	.5	.5	.5	13.8	13.6	11.6	17.7	17.6	17.8
33	Lake Charles .....	41.1	41.5	41.0	1.3	1.3	1.3	3.2	3.8	4.7	9.5	9.5	9.6
34	Monroe .....	40.7	40.4	38.3	.5	.5	.4	4.2	3.8	3.5	6.8	6.7	6.8
35	New Orleans .....	384.3	384.4	373.0	13.3	13.3	13.1	24.6	24.6	23.7	53.8	53.6	55.1
36	Shreveport .....	97.9	97.7	94.7	3.5	3.5	3.8	6.4	6.5	6.2	17.7	17.6	16.9
37	MAINE .....	340.5	344.5	335.3	(1)	(1)	(1)	20.2	19.6	19.6	101.4	106.4	100.6
38	Lewiston-Auburn .....	27.9	28.9	27.3	(1)	(1)	(1)	1.6	1.5	1.4	11.3	12.4	11.5
39	Portland .....	66.1	67.0	65.1	(1)	(1)	(1)	4.2	4.0	4.1	13.2	14.2	12.9
40	MARYLAND <sup>3</sup> .....	1,359.6	1,367.6	1,327.3	2.2	2.2	2.2	103.1	100.3	102.9	250.9	253.5	254.3
41	Baltimore .....	821.4	827.9	811.9	.3	.3	.3	51.2	49.7	51.1	177.5	181.1	182.6
42	MASSACHUSETTS .....	2,256.8	2,293.2	2,241.0	(1)	(1)	(1)	110.0	106.8	110.3	585.3	608.3	587.2
43	Boston .....	1,279.1	1,291.3	1,284.0	(1)	(1)	(1)	58.9	56.2	59.9	248.9	257.4	255.5
44	Brockton .....	52.3	53.7	51.0	-	-	-	2.2	2.1	2.3	14.7	15.7	14.0
45	Fall River .....	46.0	46.7	44.7	(1)	(1)	(1)	(1)	(1)	(1)	19.7	20.5	18.7
46	Lawrence-Haverhill .....	80.0	83.6	81.0	(1)	(1)	(1)	2.4	2.3	2.6	34.8	37.1	35.7
47	Lowell .....	52.3	53.7	51.3	(1)	(1)	(1)	3.1	2.8	3.0	19.0	19.8	18.4
48	New Bedford .....	54.8	56.5	54.9	(1)	(1)	(1)	1.5	1.4	1.8	23.8	25.3	23.3
49	Springfield-Chicopee-Holyoke .....	188.6	190.8	186.3	(1)	(1)	(1)	8.7	8.4	8.0	59.1	60.8	58.9
50	Worcester .....	128.1	129.6	126.9	(1)	(1)	(1)	5.5	5.4	6.3	40.5	41.3	40.0
51	MICHIGAN .....	2,914.9	3,045.3	2,918.2	12.2	12.1	12.6	115.5	114.5	121.9	981.7	1,073.1	1,000.8
52	Ann Arbor .....	98.5	101.0	98.7	(1)	(1)	(1)	2.4	2.3	2.7	35.3	36.2	35.5
53	Battle Creek .....	62.3	62.3	60.4	(1)	(1)	(1)	1.9	1.9	1.9	25.3	25.3	24.4
54	Bay City <sup>5</sup> .....	28.7	29.6	28.5	(1)	(1)	(1)	1.6	1.5	1.6	8.6	9.7	9.6
55	Detroit .....	1,424.5	1,494.3	1,437.6	.7	.7	.9	58.8	58.5	60.5	495.0	538.0	502.2
56	Flint .....	137.2	167.5	158.9	(1)	(1)	(1)	6.1	5.7	5.6	47.0	74.6	71.1
57	Grand Rapids .....	197.2	198.1	188.7	(1)	(1)	(1)	10.8	10.4	8.9	72.1	73.2	68.3
58	Jackson .....	48.0	48.3	45.3	(1)	(1)	(1)	2.2	2.1	1.8	17.4	17.8	16.6
59	Kalamazoo .....	71.0	72.2	68.2	(1)	(1)	(1)	3.3	3.3	3.1	25.5	26.2	24.9
60	Lansing-East Lansing .....	117.7	134.5	125.6	(1)	(1)	(1)	6.1	5.7	5.4	26.2	38.0	36.9
61	Muskegon-Muskegon Heights .....	48.4	49.0	45.6	(1)	(1)	(1)	1.7	1.7	1.5	21.1	21.7	19.5
62	Saginaw <sup>5</sup> .....	74.9	78.3	71.9	(1)	(1)	(1)	4.3	4.0	3.8	30.9	34.4	30.1

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	
14.9	14.8	14.8	55.1	54.5	50.9	9.1	8.9	8.5	37.6	36.9	35.5	54.6	54.3	52.1	1
3.4	3.4	3.5	13.1	12.9	12.0	3.3	3.3	3.1	7.9	7.9	7.3	12.5	12.2	11.5	2
282.9	283.7	285.7	949.7	954.6	938.6	246.3	244.1	242.7	708.4	703.8	702.7	650.6	668.0	652.4	3
202.5	202.8	204.2	673.4	677.5	664.2	192.0	190.4	189.3	519.0	516.2	517.7	379.8	385.6	388.0	4
(*)	216.8	218.8	(*)	712.9	701.4	(*)	196.8	195.7	(*)	537.0	541.0	(*)	408.8	412.2	5
7.3	7.3	7.3	31.6	31.5	30.3	5.8	5.8	5.5	18.5	18.7	18.5	21.8	22.5	21.9	6
3.9	3.9	4.0	9.8	9.9	9.9	2.1	2.1	2.1	7.5	7.6	7.4	5.0	4.9	4.7	7
7.2	7.3	7.0	27.6	27.9	27.4	5.7	5.7	5.5	19.1	19.0	18.9	15.6	16.0	15.4	8
3.6	3.7	3.5	20.8	21.1	20.4	3.3	3.3	3.3	13.5	13.5	13.3	9.9	10.1	9.4	9
4.2	4.2	4.4	14.2	14.4	14.3	5.6	5.6	5.6	12.5	12.6	12.5	21.3	21.2	19.7	10
99.1	99.3	101.4	376.5	377.9	369.2	79.4	78.7	77.4	234.2	233.9	229.6	289.7	295.2	287.7	11
(*)	5.3	5.3	(*)	19.7	19.4	(*)	3.2	3.3	(*)	14.4	14.4	(*)	8.9	8.5	12
(*)	8.6	8.7	(*)	27.8	27.4	(*)	7.0	6.8	(*)	15.5	16.3	(*)	12.8	12.1	13
(*)	14.0	14.6	(*)	36.1	37.2	(*)	6.5	6.4	(*)	22.6	23.3	(*)	26.0	24.2	14
(*)	27.4	28.6	(*)	94.4	95.7	(*)	29.7	29.6	(*)	56.9	55.9	(*)	70.8	70.4	15
(*)	2.2	2.3	(*)	9.7	9.4	(*)	1.5	1.5	(*)	5.5	5.4	(*)	9.5	7.8	16
(*)	4.8	4.8	(*)	21.0	21.2	(*)	5.3	5.1	(*)	16.6	16.5	(*)	11.9	11.5	17
(*)	4.1	4.1	(*)	12.8	12.8	(*)	1.8	1.8	(*)	7.1	7.1	(*)	10.6	9.7	18
53.1	53.3	52.3	216.4	219.4	211.1	43.0	42.7	42.5	154.8	157.9	151.5	171.3	179.8	169.1	19
3.6	3.6	3.5	13.0	13.1	13.3	3.0	3.0	3.0	9.7	9.7	9.4	8.7	8.3	7.8	20
9.7	9.8	9.5	31.1	31.6	32.8	15.8	15.8	15.5	23.9	23.7	22.5	20.1	20.5	18.5	21
1.5	1.5	1.7	7.1	7.2	6.8	.9	.9	1.0	6.2	6.5	5.6	2.7	2.9	2.6	22
3.0	3.0	3.0	10.7	10.8	10.8	2.2	2.2	2.1	7.5	7.7	7.1	5.3	5.3	5.5	23
2.3	2.4	2.2	11.0	11.0	10.5	1.4	1.4	1.4	7.7	7.7	7.2	6.9	8.5	6.6	24
52.0	51.8	51.8	161.0	160.0	158.8	31.6	31.7	31.2	103.6	104.2	103.5	155.0	160.8	149.3	25
6.6	6.6	7.0	13.3	13.4	13.3	4.3	4.2	4.2	10.7	10.7	10.2	17.3	17.7	16.3	26
7.9	7.8	8.0	32.0	31.9	31.3	7.0	7.0	6.9	25.1	25.1	25.3	21.4	22.1	20.4	27
59.0	59.2	59.5	192.5	190.9	186.9	37.9	37.7	37.5	140.9	141.6	139.9	180.1	187.3	171.5	28
4.1	4.1	4.2	16.3	16.0	15.7	4.0	4.0	3.9	12.3	12.5	12.3	21.6	21.6	20.6	29
24.0	24.0	23.5	72.1	71.9	71.0	19.1	18.7	18.1	50.7	50.6	49.1	44.1	43.9	43.3	30
93.0	92.5	91.4	242.0	242.1	236.6	51.8	51.7	50.3	162.4	162.3	161.7	219.9	222.6	208.8	31
5.4	5.3	5.3	23.3	23.3	22.7	6.2	6.2	6.0	14.9	14.9	15.2	31.7	31.8	30.2	32
2.9	2.9	2.9	9.7	9.7	8.8	1.5	1.5	1.5	6.2	6.0	6.2	6.8	6.8	6.0	33
2.2	2.3	2.3	10.5	10.6	10.2	2.6	2.6	2.4	6.0	6.0	5.4	7.9	7.9	7.3	34
43.4	42.9	41.8	92.4	92.0	91.5	24.6	24.7	24.0	69.1	68.8	66.1	63.1	64.5	57.7	35
9.5	9.4	9.3	24.4	24.3	24.0	4.6	4.6	4.6	15.9	15.9	15.1	15.9	15.9	14.8	36
18.4	18.1	17.8	70.5	69.9	69.4	12.9	12.9	12.8	47.6	46.0	47.1	69.5	71.6	68.0	37
1.0	1.0	.9	6.4	6.5	6.2	.9	.9	.9	4.2	4.2	4.2	2.5	2.4	2.2	38
5.4	5.3	5.3	17.9	17.9	17.9	6.0	5.9	5.7	11.3	11.0	11.3	8.1	8.7	7.9	39
80.6	80.4	82.3	331.8	331.7	316.1	73.9	73.1	71.9	259.7	258.4	250.0	257.4	268.0	247.6	40
56.7	56.6	57.3	183.4	183.8	177.7	45.7	45.2	44.5	145.1	144.7	141.0	161.5	166.5	157.4	41
122.2	123.7	118.4	498.3	504.7	496.0	130.5	130.1	130.8	477.2	484.3	472.3	333.3	335.3	326.0	42
75.0	74.9	76.6	297.4	303.7	296.5	94.7	94.7	95.6	326.0	328.4	318.6	178.2	176.0	181.3	43
4.1	4.1	4.0	12.8	13.1	12.9	1.6	1.6	1.5	7.8	7.9	7.6	9.1	9.2	8.7	44
2.1	2.1	2.1	9.9	10.0	9.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.4	9.3	9.2	4.9	4.8	4.8	45
2.9	3.0	2.6	14.7	14.9	14.9	2.5	2.6	2.4	11.3	10.9	11.2	11.4	12.8	11.6	46
2.2	2.4	2.3	11.3	11.6	11.1	1.6	1.6	1.5	8.2	8.6	8.1	6.9	6.9	6.9	47
3.3	3.3	3.4	10.9	11.2	11.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.2	10.0	10.1	5.1	5.3	5.1	48
9.0	9.1	8.8	39.0	39.6	39.0	9.7	9.7	9.6	36.2	36.6	35.7	26.9	26.6	26.3	49
7.1	7.1	7.0	26.7	27.2	26.5	7.0	7.0	7.0	24.0	24.3	23.1	17.3	17.3	17.0	50
145.6	146.0	150.9	611.0	615.2	612.1	120.5	119.8	118.3	440.5	444.2	431.5	487.8	520.4	470.0	51
2.2	2.2	2.2	13.7	13.9	12.7	2.6	2.6	2.5	9.8	9.9	10.1	32.6	34.0	33.0	52
2.6	2.6	2.4	9.5	9.5	9.3	3.7	3.7	3.7	8.2	8.2	8.0	11.1	11.2	10.8	53
2.0	1.9	1.4	6.9	6.7	6.9	.8	.8	.9	4.4	4.4	3.8	4.5	4.6	4.4	54
78.2	78.7	81.2	293.5	297.1	300.9	70.6	70.4	70.8	229.8	230.6	223.4	197.8	220.4	197.7	55
4.7	4.8	5.3	33.9	34.5	33.4	4.7	4.7	4.7	19.5	19.4	18.0	21.4	23.9	20.9	56
9.8	9.7	9.5	46.5	46.6	45.1	7.3	7.3	7.2	28.3	28.4	27.9	22.4	22.5	21.8	57
4.2	4.2	3.6	8.6	8.5	8.2	1.4	1.4	1.4	6.1	6.1	5.7	8.1	8.2	8.0	58
2.8	2.8	2.5	15.3	15.4	13.8	2.5	2.4	2.4	9.4	9.4	9.2	12.1	12.7	12.2	59
3.7	4.1	3.5	21.5	21.7	21.9	6.0	6.0	5.9	16.4	17.0	14.5	37.8	42.0	37.6	60
3.3	3.3	2.9	8.0	8.1	7.6	1.3	1.3	1.3	6.1	6.0	5.8	7.0	7.1	6.8	61
3.8	3.8	3.4	15.0	15.3	14.5	3.0	3.0	2.8	8.7	8.8	8.7	9.1	9.2	8.6	62



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971
1	MINNESOTA .....	1,305.9	1,340.1	1,314.7	14.5	12.7	15.2	42.6	68.0	69.1	309.1	303.6	305.4
2	Duluth-Superior .....	55.0	56.0	57.4	(1)	(1)	(1)	1.7	2.6	3.1	8.4	8.5	9.7
3	Minneapolis-St. Paul .....	751.8	780.2	765.8	(1)	(1)	(1)	17.6	31.9	36.2	193.1	192.7	191.5
4	MISSISSIPPI .....	609.5	610.5	594.0	6.3	6.3	6.2	32.3	31.4	34.6	201.7	201.9	190.8
5	Jackson .....	97.9	98.2	95.1	.7	.7	.7	6.7	6.5	6.7	14.6	14.7	14.2
6	MISSOURI .....	1,621.6	1,644.5	1,641.9	8.1	8.1	8.5	65.5	64.5	71.3	420.7	432.4	421.3
7	Kansas City .....	526.7	531.2	513.1	.5	.5	.5	29.9	29.0	27.4	118.1	121.0	118.1
8	St. Joseph .....	32.9	32.7	31.5	(2)	(2)	(2)	2.1	2.0	1.6	9.8	9.6	9.3
9	St. Louis .....	872.5	885.1	884.8	2.9	3.0	3.0	32.6	32.7	38.3	249.7	256.2	256.5
10	Springfield .....	60.0	60.6	57.6	.1	.1	.1	2.9	3.0	2.8	16.8	16.8	15.5
11	MONTANA .....	215.3	213.9	207.4	6.4	6.2	3.4	12.0	12.1	12.5	24.7	24.3	22.5
12	Billings .....	31.9	32.6	30.9	(1)	(1)	(1)	2.3	2.3	2.1	3.3	3.3	3.2
13	Great Falls .....	26.6	27.0	25.3	(1)	(1)	(1)	1.6	1.7	1.8	2.6	2.6	1.6
14	NEBRASKA .....	503.3	506.2	486.2	2.0	1.9	2.0	31.6	30.5	26.1	85.5	86.9	83.2
15	Lincoln .....	74.5	75.5	71.8	-	-	-	4.3	4.2	3.9	11.5	11.7	10.9
16	Omaha .....	220.4	221.8	209.3	(2)	(2)	(2)	14.1	13.7	9.9	38.6	39.5	37.4
17	NEVADA .....	221.7	220.7	214.0	3.8	3.8	3.2	12.8	13.5	13.0	9.0	8.9	8.4
18	Las Vegas .....	118.4	118.1	114.9	.1	.1	.1	6.9	7.6	7.3	4.1	4.1	4.2
19	Reno .....	65.1	64.6	62.1	.3	.3	.3	4.3	4.3	3.8	3.3	3.2	3.1
20	NEW HAMPSHIRE .....	277.7	273.3	266.9	.4	.4	.4	13.7	12.9	13.5	87.1	90.2	82.0
21	Manchester .....	49.9	51.0	47.8	(1)	(1)	(1)	2.2	1.9	2.5	16.4	17.5	14.7
22	NEW JERSEY .....	2,644.1	2,658.1	2,621.2	2.9	2.9	3.0	117.6	115.9	121.2	789.1	803.7	811.7
23	Atlantic City .....	72.5	68.2	71.9	-	-	-	3.9	4.0	3.6	9.7	9.7	9.7
24	Camden .....	267.7	270.5	264.8	.1	.1	.1	15.0	14.9	15.2	67.1	67.0	70.3
25	Jersey City .....	243.9	246.6	250.0	-	-	-	7.5	7.6	7.7	92.9	96.0	99.6
26	Long Branch-Asbury Park .....	132.4	132.4	128.9	.1	.1	.1	8.0	8.1	7.3	21.1	21.6	21.1
27	Newark .....	778.7	789.0	782.8	.6	.6	.7	31.1	30.9	33.2	224.2	228.7	231.3
28	Paterson-Clifton-Passaic .....	513.1	516.5	508.2	.2	.2	.1	23.4	22.7	23.4	177.5	179.6	179.0
29	Perth Amboy .....	283.1	288.0	277.9	.5	.6	.6	12.1	12.0	12.4	103.5	104.9	106.5
30	Trenton .....	137.6	138.0	134.0	(1)	(1)	(1)	4.0	3.9	3.7	36.4	37.0	36.6
31	Vineland-Millville-Bridgeton .....	48.3	48.9	47.5	(1)	(1)	(1)	1.8	1.8	2.0	21.0	21.6	20.4
32	NEW MEXICO .....	323.0	323.4	303.7	15.8	15.9	15.6	22.7	22.6	20.2	24.7	24.6	21.5
33	Albuquerque .....	124.3	124.5	114.6	(1)	(1)	(1)	10.9	10.7	9.2	11.7	11.6	9.7
34	NEW YORK .....	(*)	7,027.1	7,052.3	(*)	7.0	8.2	(*)	271.4	297.3	(*)	1,609.0	1,608.6
35	Albany-Schenectady-Troy .....	280.6	282.5	279.6	(1)	(1)	(1)	15.7	15.0	15.0	57.2	58.8	58.3
36	Binghamton .....	98.8	98.0	98.6	(1)	(1)	(1)	4.3	.4	4.5	37.5	38.3	38.2
37	Buffalo .....	463.3	477.1	474.2	(1)	(1)	(1)	12.0	11.0	18.6	142.3	152.7	149.0
38	Elmira .....	35.7	38.1	37.0	(1)	(1)	(1)	2.7	2.3	2.3	13.1	13.7	14.1
39	Monroe County .....	298.8	301.6	298.3	(1)	(1)	(1)	12.2	11.7	14.1	124.6	124.8	123.8
40	Nassau and Suffolk Counties .....	742.9	762.0	731.9	(1)	(1)	(1)	36.6	44.7	42.3	138.5	141.7	139.7
41	New York-Northeastern New Jersey .....	(*)	6,555.5	6,540.2	(*)	3.6	3.7	(*)	252.0	261.9	(*)	1,516.3	1,526.0
42	New York SMSA .....	(*)	4,716.8	4,721.4	(*)	2.5	2.3	(*)	178.3	185.3	(*)	908.6	909.6
43	New York City .....	(*)	3,576.7	3,618.5	(*)	1.5	1.7	(*)	110.0	117.9	(*)	685.8	686.6
44	Rochester .....	340.5	344.0	339.2	(1)	(1)	(1)	13.1	12.5	15.3	138.8	138.9	137.7
45	Rockland County .....	67.5	67.6	66.0	(1)	(1)	(1)	4.5	4.7	5.1	13.8	13.7	14.2
46	Syracuse .....	230.2	233.7	225.7	(1)	(1)	(1)	11.8	11.2	11.3	58.2	58.9	60.0
47	Utica-Rome .....	106.7	108.1	110.8	(1)	(1)	(1)	4.3	4.2	5.0	32.9	33.9	36.1
48	Westchester County .....	303.8	309.5	305.0	(1)	(1)	(1)	18.6	18.9	20.0	64.1	67.3	69.1
49	NORTH CAROLINA .....	1,839.5	1,845.8	1,779.7	4.1	4.1	3.9	103.2	103.9	101.5	736.3	741.3	711.1
50	Asheville .....	-	-	-	(1)	(1)	(1)	-	-	-	20.6	20.7	19.3
51	Charlotte .....	189.9	190.2	183.1	(1)	(1)	(1)	13.3	13.4	12.3	43.7	43.9	42.1
52	Greensboro-Winston-Salem- High Point .....	273.4	274.3	267.7	(1)	(1)	(1)	13.8	14.1	14.1	114.4	114.5	111.8
53	Raleigh .....	-	-	-	-	-	-	-	-	-	14.5	14.6	14.0
54	NORTH DAKOTA .....	171.3	171.5	167.1	1.6	1.5	1.8	13.7	12.7	13.2	10.9	11.2	10.2
55	Fargo-Moorhead .....	42.0	42.8	41.6	.1	.1	.1	3.5	3.4	3.2	3.1	3.1	3.1
56	OHIO .....	3,860.8	3,922.9	3,824.4	23.7	23.4	22.7	155.7	152.4	160.2	1,314.7	1,330.3	1,320.3
57	Akron .....	244.4	249.8	241.4	.3	.3	.3	8.8	8.4	8.5	88.5	88.9	90.5
58	Canton .....	137.7	138.7	136.6	.4	.4	.4	4.6	4.4	4.7	56.5	56.9	57.9
59	Cincinnati .....	500.5	505.5	499.9	.4	.4	.4	20.6	20.2	20.6	150.9	151.1	156.5

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			
July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	
82.1	86.3	86.1	326.6	330.1	322.7	67.0	66.8	66.0	215.1	217.2	214.3	249.0	255.5	236.1	1
7.6	7.6	7.9	13.2	13.1	13.4	2.0	2.0	1.9	10.8	10.7	10.8	11.3	11.6	10.5	2
55.3	59.3	58.2	188.7	191.7	190.7	49.2	49.1	48.5	134.9	137.8	135.6	113.0	117.6	105.1	3
32.5	32.3	31.4	112.0	111.4	109.8	22.6	22.5	22.3	74.1	74.0	73.2	127.9	130.7	125.7	4
6.4	6.3	6.4	24.2	24.0	23.0	7.4	7.4	7.2	15.7	15.8	15.6	22.1	22.7	21.3	5
120.9	121.9	124.0	366.8	366.0	372.2	92.3	91.9	90.7	264.3	267.0	262.8	283.0	292.7	291.1	6
47.6	49.5	49.5	133.1	132.1	127.9	34.6	34.3	33.8	86.0	85.8	82.9	76.9	79.0	73.0	7
2.0	1.9	2.0	7.8	7.9	8.0	1.4	1.4	1.3	5.1	5.1	5.0	4.7	4.8	4.3	8
63.8	64.0	66.1	193.3	194.7	194.9	47.1	47.1	46.7	153.0	154.1	152.9	130.1	133.3	126.4	9
4.6	4.6	4.6	15.2	15.1	14.4	2.3	2.3	2.3	10.2	10.0	9.8	7.9	8.7	8.1	10
17.8	17.7	17.9	52.2	52.2	51.1	9.0	9.0	8.6	36.5	36.1	36.6	56.7	56.3	54.8	11
3.0	3.0	2.9	9.8	10.0	9.5	1.6	1.6	1.6	6.3	6.3	6.1	5.6	6.1	5.5	12
2.1	2.1	2.1	7.3	7.4	7.2	1.7	1.7	1.6	5.1	5.2	5.1	6.2	6.3	5.8	13
37.1	36.9	37.7	124.4	124.3	122.1	30.0	30.0	30.1	87.5	87.4	83.9	105.2	108.2	101.1	14
5.2	5.2	5.3	15.7	15.8	15.2	5.6	5.6	5.7	11.4	11.1	11.2	20.8	21.8	19.6	15
20.7	20.6	21.2	53.7	54.0	52.5	16.9	16.9	17.0	40.4	40.3	38.7	36.0	36.9	32.6	16
14.8	14.7	14.4	42.5	42.1	40.9	9.1	9.0	8.7	90.9	88.8	88.0	38.8	39.9	37.4	17
7.9	7.9	7.6	22.7	22.6	21.6	4.8	4.7	4.5	54.4	53.7	53.0	17.5	17.4	16.6	18
4.9	4.9	4.8	14.4	14.3	13.5	3.5	3.5	3.3	24.3	23.5	23.6	10.1	10.6	9.7	19
12.1	12.3	11.8	54.5	53.8	52.5	12.1	12.1	11.7	58.6	51.3	57.6	39.2	40.3	37.4	20
3.7	3.7	3.6	11.3	11.4	11.2	3.4	3.5	3.3	8.5	8.6	8.3	4.4	4.4	4.2	21
179.2	179.7	181.6	585.3	586.6	564.5	127.5	125.1	124.4	446.4	441.6	435.6	396.1	402.6	379.2	22
3.6	3.6	3.8	22.8	19.9	21.4	3.1	3.0	3.0	18.1	16.5	18.9	11.3	11.5	11.5	23
13.7	13.9	14.2	69.5	70.5	65.6	11.6	11.7	11.0	41.6	41.5	41.3	49.1	50.9	47.1	24
33.6	33.1	34.9	41.0	41.5	39.7	8.9	8.6	8.7	30.5	30.7	30.1	29.5	29.1	29.3	25
6.1	6.1	6.1	32.9	32.0	30.6	4.5	4.5	4.5	30.9	30.4	32.1	28.8	29.6	27.1	26
63.1	63.6	62.7	154.7	157.4	153.1	57.4	57.3	56.6	139.7	140.1	139.2	107.9	110.4	106.0	27
25.0	25.4	25.4	128.8	130.2	127.1	20.3	19.8	19.4	80.9	81.1	79.6	57.0	57.5	54.2	28
15.9	16.1	15.7	62.9	64.1	58.0	6.8	6.8	6.5	36.7	36.5	34.3	44.7	47.0	43.9	29
6.1	6.0	6.2	22.0	22.4	21.2	5.2	5.3	5.2	30.1	30.0	28.4	33.8	33.4	32.7	30
2.7	2.7	2.9	7.9	7.8	7.6	2.1	2.1	2.1	5.8	5.8	5.8	7.0	7.1	6.7	31
20.7	20.6	20.2	70.4	69.9	64.9	14.7	14.7	13.5	59.8	59.4	56.6	94.2	95.7	91.2	32
7.4	7.3	7.2	30.3	30.1	27.8	7.4	7.4	7.0	27.7	27.7	25.8	28.9	29.7	27.9	33
(*)	480.8	486.9	(*)	1,438.1	1,421.1	(*)	596.0	602.9	(*)	1,375.5	1,385.1	(*)	1,249.3	1,242.2	34
16.3	16.0	16.6	56.9	57.2	56.7	12.1	12.1	12.1	49.3	49.3	49.1	73.1	74.2	71.9	35
4.6	4.6	4.4	17.6	17.7	17.8	3.3	3.3	3.3	12.8	12.7	12.1	18.7	21.0	18.2	36
30.6	31.0	30.7	102.0	102.6	101.3	19.8	19.6	19.7	79.6	79.8	78.3	77.1	80.4	76.6	37
1.5	1.5	1.5	6.7	7.7	7.6	1.0	1.0	1.0	5.6	6.0	5.7	5.1	5.9	4.8	38
11.1	11.1	11.0	50.5	52.3	50.9	12.4	12.2	12.1	53.7	52.5	51.8	34.2	37.1	34.5	39
35.1	37.0	34.6	203.5	207.2	197.0	38.6	38.2	36.7	145.9	144.0	141.1	144.7	149.2	140.4	40
(*)	499.6	503.2	(*)	1,385.8	1,354.6	(*)	598.0	602.8	(*)	1,270.4	1,263.0	(*)	1,029.8	1,025.0	41
(*)	361.5	364.5	(*)	993.1	976.7	(*)	505.5	511.7	(*)	982.4	979.8	(*)	784.9	791.6	42
(*)	301.6	307.3	(*)	703.1	699.2	(*)	450.4	458.1	(*)	756.8	758.8	(*)	567.4	589.0	43
12.8	12.7	12.7	58.2	60.1	58.4	13.2	13.0	12.8	58.9	57.5	56.8	45.5	49.4	45.5	44
3.5	3.7	3.2	13.3	13.5	12.7	2.1	2.0	2.0	12.5	12.0	12.1	17.9	17.9	16.7	45
15.0	14.8	14.7	50.1	50.8	48.2	13.5	13.3	12.9	42.6	41.7	39.7	39.0	43.0	38.8	46
4.9	5.0	4.7	18.3	18.4	18.6	5.0	4.9	4.8	15.3	15.2	15.4	26.0	26.7	26.1	47
19.1	19.5	19.4	68.8	69.6	67.8	14.9	14.8	14.8	71.3	70.4	68.4	46.9	49.0	45.5	48
98.3	98.2	92.2	331.6	331.7	323.4	77.0	76.3	71.3	236.5	234.0	226.6	252.5	256.3	249.7	49
19.3	19.4	17.7	49.3	49.5	49.5	14.7	14.6	13.8	28.8	29.0	27.9	20.8	20.4	19.8	50
17.5	17.5	16.2	49.5	49.6	49.1	13.8	13.8	13.6	35.7	36.1	34.7	28.7	28.7	28.2	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
12.2	12.2	12.4	46.4	45.9	45.5	7.7	7.6	7.5	29.8	30.0	29.2	49.1	50.4	47.5	53
3.0	3.1	3.1	12.9	13.0	12.5	2.4	2.4	2.4	7.8	8.0	7.9	9.2	9.8	9.5	54
228.1	228.1	228.5	792.6	797.5	780.6	169.0	168.3	165.9	607.5	619.3	591.3	569.6	603.6	555.0	55
15.3	15.1	15.4	52.1	51.8	50.0	7.8	7.7	7.6	38.6	39.3	36.5	33.1	38.3	32.6	56
7.1	7.1	7.2	28.2	28.1	27.1	4.9	4.8	4.9	22.0	22.4	21.1	14.0	14.5	13.3	57
36.1	36.1	35.8	107.9	108.6	107.4	27.4	27.4	27.3	86.0	87.0	81.6	71.1	74.6	70.2	58

**ESTABLISHMENT DATA**  
**STATE AND AREA EMPLOYMENT**

68

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

(In thousands)

State and area	TOTAL			Mining			Contract construction			Manufacturing		
	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971
<b>OHIO—Continued</b>												
1 Cleveland.....	840.4	846.5	826.2	1.7	1.7	1.5	30.6	29.5	31.7	266.8	272.7	267.2
2 Columbus.....	388.0	397.7	378.7	.8	.8	.8	19.3	19.0	19.7	83.2	84.1	83.2
3 Dayton.....	318.4	323.2	319.6	.5	.5	.5	11.9	11.7	12.2	113.0	113.7	113.8
4 Toledo.....	245.4	253.0	240.7	.5	.5	.4	10.4	10.0	9.6	78.0	81.1	77.4
5 Youngstown—Warren.....	201.0	202.5	202.8	.3	.3	.3	7.0	7.0	7.1	87.8	87.5	91.7
<b>OKLAHOMA</b>	807.5	809.3	781.1	36.9	36.6	37.2	45.3	44.8	40.5	136.5	136.3	132.2
6 Oklahoma City.....	273.4	275.4	267.1	6.6	6.6	6.7	16.4	16.0	15.3	38.9	39.2	37.9
8 Tulsa.....	187.4	187.1	183.4	13.9	13.7	13.5	10.2	10.1	9.6	40.2	40.0	39.7
<b>OREGON</b>	776.9	783.3	732.8	1.6	1.6	1.6	41.3	38.6	34.2	189.8	188.0	180.2
9 Eugene—Springfield.....	74.9	76.6	69.9	(1)	(1)	(1)	4.4	3.7	3.3	20.1	19.8	19.5
10 Portland.....	410.0	410.6	386.7	(1)	(1)	(1)	23.1	22.3	18.8	89.2	88.3	86.4
12 Salem.....	61.8	61.9	58.2	(1)	(1)	(1)	3.4	3.3	3.0	13.5	12.7	11.9
<b>PENNSYLVANIA</b>	(*)	4,361.3	4,303.7	(*)	41.6	41.7	(*)	216.8	207.6	(*)	1,429.2	1,432.0
13 Allentown—Bethlehem—Easton.....	212.6	219.5	215.9	.6	.6	.6	9.5	9.0	9.0	94.7	100.4	97.1
15 Altoona.....	47.4	47.9	48.8	(1)	(1)	(1)	2.0	2.0	2.2	14.5	14.6	15.1
16 Delaware Valley <sup>10</sup> .....	1,522.6	1,526.9	1,503.4	1.2	1.1	1.2	78.5	73.3	73.8	432.6	437.7	435.1
17 Erie.....	99.8	99.8	97.4	(1)	(1)	(1)	3.8	3.5	3.3	43.6	44.0	43.1
18 Harrisburg.....	178.8	180.6	177.2	(1)	(1)	(1)	10.3	10.2	9.2	38.6	39.3	39.4
19 Johnstown.....	81.3	81.5	79.8	6.0	5.9	5.7	3.5	3.4	3.1	23.9	24.3	24.4
20 Lancaster.....	127.7	128.6	123.4	(1)	(1)	(1)	7.9	7.4	7.0	54.6	54.7	53.5
21 Philadelphia SMSA.....	1,790.3	1,797.2	1,768.0	1.3	1.3	1.3	93.6	88.2	89.0	499.7	504.6	505.4
22 Philadelphia City <sup>11</sup> .....	881.9	883.0	881.5	-	-	-	33.6	32.1	29.2	212.2	215.6	215.1
23 Pittsburgh.....	864.7	877.9	868.9	10.1	10.6	10.4	51.3	49.6	47.2	257.8	258.0	268.6
24 Reading.....	121.5	123.7	119.9	(1)	(1)	(1)	4.7	4.5	4.2	51.9	53.7	52.8
25 Scranton.....	87.0	87.8	85.5	.3	.3	.4	2.9	2.6	2.8	32.5	33.6	32.2
26 Wilkes—Barre—Hazleton.....	115.9	124.8	121.3	1.5	1.6	2.0	6.1	5.5	6.3	47.3	51.3	49.1
27 York.....	135.9	138.1	131.3	(1)	(1)	(1)	12.1	12.1	9.0	59.5	60.2	58.7
<b>RHODE ISLAND</b>	340.2	344.1	338.1	(1)	(1)	(1)	14.8	14.2	15.7	113.6	116.7	110.3
29 Providence—Warwick—Pawtucket.....	352.1	356.7	351.1	(1)	(1)	(1)	14.8	14.2	15.7	126.4	130.4	125.4
<b>SOUTH CAROLINA</b>	907.5	903.9	862.8	1.6	1.6	1.7	61.5	60.7	57.8	349.3	351.6	335.5
30 Charleston.....	(*)	90.0	89.6	(*)	(1)	(1)	(*)	6.7	6.6	(*)	13.0	14.0
32 Columbia.....	(*)	124.4	116.3	(*)	(1)	(1)	(*)	9.4	8.9	(*)	21.7	20.5
33 Greenville.....	(*)	131.0	123.8	(*)	(1)	(1)	(*)	9.3	9.3	(*)	57.7	53.8
<b>SOUTH DAKOTA</b>	182.7	187.2	182.3	2.2	2.2	2.4	9.1	8.7	9.2	18.2	18.2	16.5
34 Rapid City.....	21.3	21.4	20.5	.1	.1	.1	1.3	1.3	1.5	2.7	2.7	2.0
36 Sioux Falls.....	35.0	35.7	35.1	(1)	(1)	(1)	1.5	1.4	1.8	6.4	6.4	6.2
<b>TENNESSEE</b>	1,416.5	1,415.2	1,360.5	6.9	6.7	7.3	79.3	78.7	73.4	477.4	475.7	460.3
37 Chattanooga.....	134.1	134.8	131.8	.3	.3	.3	6.0	5.8	6.4	52.7	53.2	53.0
39 Knoxville.....	(*)	159.9	148.3	(*)	1.6	1.6	(*)	8.5	7.2	(*)	48.7	46.0
40 Memphis.....	293.7	293.1	281.9	.3	.4	.3	16.3	16.6	18.7	59.0	59.1	56.9
41 Nashville.....	229.6	229.1	225.8	(1)	(1)	(1)	13.7	13.4	13.6	60.6	60.5	59.1
<b>TEXAS</b>	3,785.4	3,784.9	3,674.9	102.8	103.4	103.5	252.8	249.3	231.7	723.2	730.0	714.9
43 Amarillo.....	51.2	51.4	51.8	(1)	(1)	(1)	2.8	2.8	2.9	6.9	6.9	7.3
44 Austin.....	128.2	130.2	119.0	(1)	(1)	(1)	10.2	10.2	9.0	13.0	12.8	12.3
45 Beaumont—Port Arthur—Orange.....	109.1	108.6	105.8	(1)	(1)	(1)	9.8	9.5	7.7	37.4	37.4	36.6
46 Corpus Christi.....	89.7	89.2	88.7	3.6	3.6	3.6	7.5	7.5	7.3	11.1	11.1	11.4
47 Dallas.....	685.2	682.7	658.3	8.5	8.5	8.5	42.1	41.7	38.8	149.2	149.2	145.4
48 El Paso.....	115.0	114.5	110.1	(1)	(1)	(1)	8.4	8.3	7.7	27.3	27.3	24.8
49 Fort Worth.....	253.3	257.8	253.8	1.2	1.2	1.6	13.1	13.3	12.0	66.7	70.4	72.1
50 Galveston—Texas City.....	56.7	56.1	54.1	(1)	(1)	(1)	4.0	3.8	3.0	11.0	10.9	11.2
51 Houston.....	818.0	820.1	788.7	30.9	30.4	30.1	73.4	73.6	71.6	146.1	149.9	147.0
52 Lubbock.....	58.6	56.9	55.5	(1)	(1)	(1)	3.7	3.5	4.1	7.6	7.4	7.6
53 San Antonio.....	275.6	274.9	272.0	1.4	1.4	1.3	16.1	15.8	15.6	34.4	34.4	33.5
54 Waco.....	50.4	50.5	49.7	(1)	(1)	(1)	3.1	3.1	3.1	12.4	12.4	11.8
55 Wichita Falls.....	37.4	37.5	36.5	2.1	2.1	2.2	1.5	1.4	1.3	5.2	5.2	4.9
<b>UTAH</b>	(*)	388.6	364.6	(*)	11.9	8.3	(*)	21.5	19.8	(*)	58.5	54.4
57 Salt Lake City.....	(*)	210.5	194.7	(*)	6.6	3.0	(*)	13.2	11.7	(*)	31.8	28.9
<b>VERMONT</b>	155.1	152.2	152.0	.9	.9	.9	10.0	9.4	10.6	38.5	38.9	37.6
59 Burlington <sup>12</sup> .....	38.1	37.9	38.4	-	-	-	-	-	-	8.7	8.8	9.6
60 Springfield <sup>12</sup> .....	12.6	12.5	12.2	-	-	-	-	-	-	5.3	5.3	5.1

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971
1	VIRGINIA <sup>3</sup>	1,557.8	1,571.8	1,507.7	17.0	17.2	16.4	107.0	105.9	105.3	378.7	379.3	360.9
2	Lynchburg	52.7	52.9	52.4	(1)	(1)	(1)	3.1	3.0	3.1	23.5	23.6	23.1
3	Newport News-Hampton	110.6	109.8	101.1	(1)	(1)	(1)	5.8	5.9	5.6	34.2	33.4	27.9
4	Norfolk-Virginia Beach-Portsmouth	208.4	210.0	205.2	(1)	(1)	(1)	15.5	15.2	14.8	19.1	19.5	19.7
5	Northern Virginia <sup>13</sup>	287.8	291.8	282.3	.4	.4	.4	23.9	23.2	22.5	10.3	10.2	10.8
6	Richmond	246.2	250.7	242.4	.2	.2	.2	15.6	15.7	15.8	50.1	50.4	49.2
7	Roanoke	86.4	87.2	85.7	.1	.1	.1	5.2	5.2	5.2	20.0	20.1	19.8
8	WASHINGTON	1,079.4	1,099.1	1,043.1	1.8	1.8	1.7	58.0	56.9	55.9	223.4	221.4	212.7
9	Seattle-Everett	489.6	496.9	475.9	(1)	(1)	(1)	21.5	21.1	18.8	106.1	105.1	102.0
10	Spokane	92.2	94.1	90.4	(1)	(1)	(1)	6.1	5.9	5.0	13.1	12.9	12.8
11	Tacoma	107.1	106.9	103.7	(1)	(1)	(1)	5.2	4.9	4.3	20.0	19.6	19.1
12	WEST VIRGINIA	533.9	529.4	539.7	55.4	56.0	55.8	33.1	32.8	33.6	121.4	121.7	123.7
13	Charleston	83.2	83.2	83.5	4.2	4.3	4.5	5.0	4.9	4.7	15.1	15.1	15.9
14	Huntington-Ashland	81.4	80.8	82.7	.7	.7	.7	3.6	3.4	3.3	26.3	26.5	27.4
15	Wheeling	59.9	60.0	59.4	5.6	5.6	5.5	3.1	3.1	3.4	15.3	15.4	15.5
16	WISCONSIN	1,570.8	1,576.1	1,534.3	2.8	2.9	2.8	66.8	63.9	65.8	498.2	490.7	485.8
17	Appleton-Oshkosh	99.7	99.1	97.6	(1)	(1)	(1)	4.0	3.7	4.0	39.5	38.5	38.8
18	Green Bay	58.0	57.6	55.8	(1)	(1)	(1)	3.0	2.8	2.4	18.1	17.2	17.8
19	Kenosha	36.1	36.6	35.3	(1)	(1)	(1)	1.4	1.3	1.4	15.2	15.4	15.2
20	La Crosse	30.4	30.7	29.7	(1)	(1)	(1)	1.3	1.3	.8	8.5	8.3	8.5
21	Madison	122.2	123.9	118.7	(1)	(1)	(1)	6.6	6.5	7.2	15.5	15.1	15.4
22	Milwaukee	568.5	570.3	560.9	(1)	(1)	(1)	22.2	20.3	22.0	196.4	194.7	193.6
23	Racine	55.7	56.1	51.1	(1)	(1)	(1)	1.9	1.8	2.0	24.5	24.7	20.6
24	WYOMING	125.0	124.9	117.9	12.7	12.7	11.3	11.3	11.2	9.8	7.2	6.8	7.3
25	Casper	21.2	21.1	20.4	3.1	3.0	2.8	2.0	1.8	1.7	1.6	1.6	1.8
26	Cheyenne	19.7	19.8	19.1	(1)	(1)	(1)	1.3	1.3	1.3	1.0	1.0	1.0

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

SOURCE: Cooperating State agencies listed on inside back cover.

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	
100.6	100.1	100.2	318.5	319.0	313.6	77.8	76.6	73.1	239.8	237.9	231.5	318.4	335.8	306.7	1
2.6	2.5	2.6	8.5	8.7	8.7	2.2	2.2	2.2	6.8	6.7	6.7	6.0	6.2	6.0	2
3.9	3.9	3.8	18.6	18.4	16.9	3.4	3.4	3.1	13.5	13.5	13.3	31.2	31.3	30.5	3
16.7	16.5	16.0	51.7	51.4	50.0	10.6	10.3	10.2	33.9	33.8	32.8	60.9	63.3	61.7	4
21.7	21.8	21.7	67.1	67.2	64.6	19.3	19.1	17.8	52.5	53.4	51.9	92.6	96.5	92.6	5
18.8	18.8	18.7	55.3	55.1	54.8	19.6	19.5	19.2	37.2	37.6	36.6	49.4	53.4	47.9	6
10.7	10.6	10.9	19.6	19.5	19.5	4.6	4.6	4.5	14.4	14.5	14.2	11.8	12.6	11.5	7
69.7	71.1	68.7	242.0	242.4	235.2	61.2	60.8	58.4	177.9	177.4	172.9	245.4	267.3	237.6	8
37.0	38.2	37.3	112.0	112.1	111.6	35.0	35.0	34.4	82.3	82.2	80.7	95.7	103.2	91.1	9
7.0	7.1	7.4	24.5	24.6	23.6	5.6	5.6	5.5	19.1	19.2	18.7	16.8	18.8	17.4	10
5.9	5.9	6.0	23.1	23.1	22.7	5.6	5.6	6.0	19.1	19.3	18.4	28.2	28.5	27.2	11
40.6	40.5	42.4	96.6	96.9	97.0	16.5	16.5	16.2	69.0	67.6	68.5	101.3	97.4	102.7	12
8.6	8.6	8.7	19.1	19.2	18.8	4.1	4.0	4.0	13.0	12.9	12.8	14.0	14.2	14.1	13
6.9	6.8	7.7	17.1	17.1	16.9	2.9	2.9	2.9	11.1	10.9	11.0	12.8	12.5	12.7	14
3.9	3.9	3.9	12.6	12.6	12.2	2.3	2.3	2.3	10.2	10.3	10.0	7.0	6.8	6.8	15
81.3	83.1	80.4	345.3	345.0	334.4	65.3	64.7	63.2	246.8	245.6	240.7	264.2	280.3	261.2	16
4.3	4.5	4.2	20.8	20.7	20.6	3.7	3.7	3.6	13.9	14.0	13.4	13.5	14.1	13.0	17
5.0	5.1	4.7	13.7	13.7	13.6	1.6	1.6	1.5	9.1	9.1	8.6	7.5	8.1	7.2	18
1.3	1.3	1.3	7.1	7.0	6.7	.7	.7	.7	5.5	5.6	5.2	4.9	5.2	4.8	19
2.2	2.2	2.2	7.4	7.4	7.2	.7	.7	.7	5.9	6.0	5.9	4.4	4.7	4.4	20
5.4	5.4	5.2	26.0	26.4	24.8	6.9	6.8	6.3	18.7	18.8	18.0	43.2	44.9	41.8	21
30.3	31.0	30.0	121.9	122.6	119.8	29.6	29.5	29.0	93.4	93.4	92.4	74.7	78.8	74.0	22
1.9	2.1	1.9	10.0	9.9	9.8	1.6	1.6	1.5	8.1	8.1	8.0	7.8	8.0	7.3	23
10.9	10.8	11.1	27.5	27.3	26.2	3.8	3.8	3.7	19.3	19.1	19.3	32.3	33.2	29.2	24
1.8	1.8	1.8	5.1	5.0	5.0	1.0	1.0	.9	3.0	2.9	2.9	3.6	4.0	3.5	25
2.6	2.6	2.7	4.4	4.4	4.1	.9	.9	1.0	3.3	3.3	3.3	6.2	6.3	5.7	26



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug. 1971	July 1971
	<b>TOTAL PRIVATE</b> .....	\$137.23	\$136.11	\$135.39	\$129.03	\$127.94	\$3.64	\$3.62	\$3.62	\$3.45	\$3.43
	<b>MINING</b> .....	186.17	184.88	186.62	173.43	172.53	4.36	4.34	4.33	4.10	4.05
10	<b>METAL MINING</b> .....	-	183.72	184.36	170.71	163.59	-	4.47	4.40	4.30	3.99
101	Iron ores.....	-	192.01	184.50	155.21	171.65	-	4.55	4.50	4.46	4.02
102	Copper ores.....	-	188.07	189.81	188.16	161.60	-	4.69	4.53	4.48	4.00
11,12	<b>COAL MINING</b> .....	-	200.85	214.35	190.69	191.28	-	(*)	5.19	4.72	(*)
12	Bituminous coal and lignite mining.....	-	202.67	216.83	192.78	193.28	-	(*)	5.25	4.76	(*)
13	<b>OIL AND GAS EXTRACTION</b> .....	-	174.87	171.07	161.45	160.50	-	4.02	3.96	3.79	3.75
131,2	Crude petroleum and natural gas fields.....	-	186.71	181.60	171.39	171.80	-	4.51	4.44	4.17	4.18
138	Oil and gas field services.....	-	166.05	163.52	154.34	152.15	-	3.69	3.65	3.54	3.45
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	-	182.56	180.45	173.42	172.70	-	3.96	3.94	3.77	3.73
142	Crushed and broken stone.....	-	185.57	183.85	176.38	175.31	-	3.94	3.92	3.69	3.66
	<b>CONTRACT CONSTRUCTION</b> .....	232.10	227.62	224.47	220.23	216.41	6.06	5.99	5.97	5.75	5.68
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	210.39	207.64	204.23	200.93	-	5.78	5.72	5.58	5.49
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	229.02	221.66	224.89	220.94	-	5.44	5.38	5.23	5.15
161	Highway and street construction.....	-	227.07	215.97	222.26	217.63	-	5.22	5.13	5.04	4.98
162	Heavy construction, n.e.c.....	-	230.36	227.45	227.10	224.81	-	5.66	5.63	5.42	5.34
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	236.16	234.97	228.41	223.50	-	6.40	6.42	6.14	6.09
171	Plumbing, heating, air conditioning.....	-	247.76	248.72	236.50	234.60	-	6.52	6.58	6.24	6.19
172	Painting, paper hanging, decorating.....	-	205.80	201.61	199.92	193.84	-	5.88	5.81	5.60	5.57
173	Electrical work.....	-	271.32	269.57	259.39	251.75	-	7.14	7.02	6.72	6.66
174	Masonry, stonework, and plastering.....	-	215.80	214.15	209.40	206.47	-	6.31	6.28	6.00	5.95
176	Roofing and sheetmetal work.....	-	194.03	184.03	189.38	184.79	-	5.69	5.68	5.38	5.31
	<b>MANUFACTURING</b> .....	154.25	153.12	154.63	141.69	142.09	3.79	3.79	3.79	3.56	3.57
19,24,25,32-39	<b>DURABLE GOODS</b> .....	166.86	164.42	168.06	151.60	151.98	4.05	4.02	4.04	3.79	3.79
20-23,26-31	<b>NONDURABLE GOODS</b> .....	138.05	138.50	137.66	129.17	129.63	3.46	3.48	3.45	3.27	3.29
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	173.79	171.79	172.60	161.80	160.66	4.07	4.10	4.09	3.88	3.89
192	Ammunition, except for small arms.....	(*)	170.08	169.66	157.73	158.15	(*)	4.04	4.03	3.81	3.82
1925	Complete guided missiles.....	-	198.91	197.10	185.33	188.79	-	4.49	4.50	4.32	4.33
1929	Ammunition, exc. for small arms, nec.....	-	143.96	144.94	134.67	133.06	-	3.59	3.57	3.35	3.36
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	139.61	136.12	138.78	129.20	128.88	3.34	3.32	3.32	3.19	3.19
242	Sawmills and planing mills.....	(*)	132.34	134.08	126.69	123.93	(*)	3.22	3.20	3.09	3.06
2421	Sawmills and planing mills, general.....	-	137.20	138.60	131.43	128.61	-	3.33	3.30	3.19	3.16
243	Millwork, plywood & related products.....	143.59	143.66	146.51	139.18	136.01	3.46	3.47	3.48	3.37	3.35
2431	Millwork.....	-	137.36	137.83	134.15	130.98	-	3.40	3.42	3.28	3.25
2432	Veneer and plywood.....	-	146.16	151.38	140.61	136.15	-	3.48	3.48	3.38	3.37
244	Wooden containers.....	103.21	103.36	106.93	97.52	98.14	2.66	2.63	2.66	2.52	2.51
2441,2	Wooden boxes, shooks, and crates.....	-	101.63	103.83	95.20	95.40	-	2.56	2.57	2.46	2.44
249	Miscellaneous wood products.....	117.71	117.42	120.41	112.20	112.06	2.85	2.85	2.86	2.75	2.76
25	<b>FURNITURE AND FIXTURES</b> .....	126.28	121.60	125.36	118.78	115.53	3.08	3.04	3.05	2.94	2.91
251	Household furniture.....	(*)	115.09	117.67	111.63	107.96	(*)	2.87	2.87	2.77	2.74
2511	Wood household furniture.....	-	109.89	112.32	105.82	102.66	-	2.70	2.70	2.60	2.56
2512	Upholstered household furniture.....	-	118.78	124.43	117.81	110.78	-	3.03	3.08	2.96	2.90
2515	Mattresses and bedsprings.....	-	125.19	125.05	122.31	120.56	-	3.21	3.19	3.05	3.06
252	Office furniture.....	-	143.38	151.87	142.27	140.08	-	3.48	3.54	3.42	3.40
254	Partitions and fixtures.....	-	149.65	154.13	146.42	145.04	-	3.76	3.75	3.58	3.59
253,9	Other furniture and fixtures.....	(*)	130.93	135.34	125.14	123.64	(*)	3.34	3.35	3.16	3.13
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	168.27	165.45	165.39	157.78	155.40	3.95	3.93	3.91	3.73	3.70
321	Flat glass.....	-	200.99	198.08	192.98	189.77	-	4.82	4.75	4.53	4.54
322	Glass and glassware, pressed or blown.....	(*)	161.60	161.96	154.57	154.57	(*)	4.00	3.96	3.77	3.77
3221	Glass containers.....	-	170.54	171.81	163.86	163.83	-	4.18	4.14	3.92	3.91
3229	Pressed and blown glass, n.e.c.....	-	148.48	148.37	140.54	140.94	-	3.74	3.70	3.54	3.55
324	Cement, hydraulic.....	218.61	218.82	221.75	201.96	199.03	5.23	5.21	5.23	4.82	4.75
325	Structural clay products.....	131.97	131.33	130.82	121.77	120.69	3.18	3.18	3.16	2.97	2.98
3251	Brick and structural clay tile.....	-	125.88	125.76	119.14	118.30	-	2.99	2.98	2.81	2.81
326	Pottery and related products.....	-	135.32	137.36	127.86	128.76	-	3.40	3.40	3.27	3.31
327	Concrete, gypsum, and plaster products.....	(*)	179.69	178.45	174.60	169.86	(*)	4.02	4.01	3.88	3.80
328,9	Other stone and nonmetallic mineral products.....	165.03	161.85	162.12	150.79	149.29	3.92	3.90	3.86	3.66	3.65
3291	Abrasive products.....	-	160.38	159.20	139.50	139.50	-	4.05	3.99	3.73	3.73

See footnotes at end of table.



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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug. 1971	July 1971
-	<b>TOTAL PRIVATE</b> . . . . .	37.7	37.6	37.4	37.4	37.3	-	-	-	-	-
-	<b>MINING</b> . . . . .	42.7	42.6	43.1	42.3	42.6	-	-	-	-	-
10	<b>METAL MINING</b> . . . . .	-	41.1	41.9	39.7	41.0	-	-	-	-	-
101	Iron ores . . . . .	-	42.2	41.0	34.8	42.7	-	-	-	-	-
102	Copper ores . . . . .	-	40.1	41.9	42.0	40.4	-	-	-	-	-
11,12	<b>COAL MINING</b> . . . . .	-	(*)	41.3	40.4	(*)	-	-	-	-	-
12	Bituminous coal and lignite mining . .	-	(*)	41.3	40.5	(*)	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> . . . . .	-	43.5	43.2	42.6	42.8	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	41.4	40.9	41.1	41.1	-	-	-	-	-
138	Oil and gas field services . . . . .	-	45.0	44.8	43.6	44.1	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	-	46.1	45.8	46.0	46.3	-	-	-	-	-
142	Crushed and broken stone . . . . .	-	47.1	46.9	47.8	47.9	-	-	-	-	-
-	<b>CONTRACT CONSTRUCTION</b> . . . . .	38.3	38.0	37.6	38.3	38.1	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> . . . .	-	36.4	36.3	36.6	36.6	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> . . .	-	42.1	41.2	43.0	42.9	-	-	-	-	-
161	Highway and street construction . . . .	-	43.5	42.1	44.1	43.7	-	-	-	-	-
162	Heavy construction, n e c . . . . .	-	40.7	40.4	41.9	42.1	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> . . . . .	-	36.9	36.6	37.2	36.7	-	-	-	-	-
171	Plumbing, heating, air conditioning . .	-	38.0	37.8	37.9	37.9	-	-	-	-	-
172	Painting, paper hanging, decorating . .	-	35.0	34.7	35.7	34.8	-	-	-	-	-
173	Electrical work . . . . .	-	38.0	38.4	38.6	37.8	-	-	-	-	-
174	Masonry, stonework, and plastering . .	-	34.2	34.1	34.9	34.7	-	-	-	-	-
176	Roofing and sheet metal work . . . . .	-	34.1	32.4	35.2	34.8	-	-	-	-	-
-	<b>MANUFACTURING</b> . . . . .	40.7	40.4	40.8	39.8	39.8	3.5	3.3	3.5	3.0	2.9
19,24,25, 32-39	<b>DURABLE GOODS</b> . . . . .	41.2	40.9	41.6	40.0	40.1	3.6	3.4	3.6	2.8	2.7
20-23,26-31	<b>NONDURABLE GOODS</b> . . . . .	39.9	39.8	39.9	39.5	39.4	3.3	3.3	3.4	3.2	3.0
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> . . . . .	42.7	41.9	42.2	41.7	41.3	-	3.0	3.3	2.6	2.5
192	Ammunition, except for small arms . .	(*)	42.1	42.1	41.4	41.4	-	2.9	2.9	2.5	2.2
1925	Complete guided missiles . . . . .	-	44.3	43.8	42.9	43.6	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec	-	40.1	40.6	40.2	39.6	-	-	-	-	-
24	<b>LUMBER AND WOOD PRODUCTS</b> . . . . .	41.8	41.0	41.8	40.5	40.4	-	4.2	4.4	3.9	3.7
242	Sawmills and planing mills . . . . .	(*)	41.1	41.9	41.0	40.5	-	4.6	4.8	4.2	3.9
2421	Sawmills and planing mills, general	-	41.2	42.0	41.2	40.7	-	-	-	-	-
243	Millwork, plywood & related products.	41.5	41.4	42.1	41.3	40.6	-	4.2	4.3	4.1	3.9
2431	Millwork . . . . .	-	40.4	40.3	40.9	40.3	-	-	-	-	-
2432	Veneer and plywood . . . . .	-	42.0	43.5	41.6	40.4	-	-	-	-	-
244	Wooden containers . . . . .	38.8	39.3	40.2	38.7	39.1	-	3.5	3.7	2.7	3.0
2441,2	Wooden boxes, shoo, and crates . . .	-	39.7	40.4	38.7	39.1	-	-	-	-	-
249	Miscellaneous wood products . . . . .	41.3	41.2	42.1	40.8	40.6	-	4.1	4.3	3.7	3.5
25	<b>FURNITURE AND FIXTURES</b> . . . . .	41.0	40.0	41.1	40.4	39.7	-	3.0	3.4	3.0	2.4
251	Household furniture . . . . .	(*)	40.1	41.0	40.3	39.4	-	2.9	3.3	2.9	2.2
2511	Wood household furniture . . . . .	-	40.7	41.6	40.7	40.1	-	3.1	3.8	3.0	2.5
2512	Upholstered household furniture . . .	-	39.2	40.4	39.8	38.2	-	-	-	-	-
2515	Mattresses and bedsprings . . . . .	-	39.0	39.2	40.1	39.4	-	-	-	-	-
252	Office furniture . . . . .	-	41.2	42.9	41.6	41.2	-	4.2	4.6	3.9	3.5
254	Partitions and fixtures . . . . .	-	39.8	41.1	40.9	40.4	-	3.5	3.3	3.6	3.0
253,9	Other furniture and fixtures . . . . .	(*)	39.2	40.4	39.6	39.5	-	2.5	3.0	2.9	2.3
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> . .	42.6	42.1	42.3	42.3	42.0	-	4.8	4.8	5.0	4.8
321	Flat glass . . . . .	-	41.7	41.7	42.6	41.8	-	3.6	3.8	4.5	4.2
322	Glass and glassware, pressed or blown	(*)	40.4	40.9	41.0	41.0	-	3.7	4.1	4.8	4.6
3221	Glass containers . . . . .	-	40.8	41.5	41.8	41.9	-	-	-	-	-
3229	Pressed and blown glass, n e c . . . .	-	39.7	40.1	39.7	39.7	-	3.0	3.2	3.1	3.0
324	Cement, hydraulic . . . . .	41.8	42.0	42.4	41.9	41.9	-	2.8	3.5	3.1	3.0
325	Structural clay products . . . . .	41.5	41.3	41.4	41.0	40.5	-	4.5	4.2	4.1	4.1
3251	Brick and structural clay tile . . . .	-	42.1	42.2	42.4	42.1	-	-	-	-	-
326	Pottery and related products . . . . .	-	39.8	40.4	39.1	38.9	-	2.5	2.5	2.2	2.1
327	Concrete, gypsum and plaster products . . . . .	(*)	44.7	44.5	45.0	44.7	-	7.2	7.1	7.3	7.1
328,9	Other stone and nonmetallic mineral products . . . . .	42.1	41.5	42.0	41.2	40.9	-	4.1	4.1	3.8	3.5
3291	Abrasive products . . . . .	-	39.6	39.9	37.4	37.4	-	-	-	-	-

See footnotes at end of table.



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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971
<i>Durable Goods--Continued</i>											
33	<b>PRIMARY METAL INDUSTRIES</b> .....	41.9	41.3	41.8	38.8	40.7	-	3.5	3.7	2.5	2.8
331	Blast furnace and basic steel products .....	(*)	41.3	41.3	36.7	41.0	-	2.9	2.8	1.4	2.5
3312	Blast furnaces and steel mills .....	-	41.1	41.0	36.2	40.8	-	2.7	2.5	1.2	2.3
332	Iron and steel foundries .....	(*)	41.3	42.3	40.3	40.6	-	4.4	4.8	3.6	3.3
3321	Gray iron foundries .....	-	41.6	42.6	40.7	41.0	-	5.1	5.2	4.1	3.7
3322	Malleable iron foundries .....	-	41.6	42.4	40.0	40.3	-	-	-	-	-
3323	Steel foundries .....	-	40.5	41.4	39.5	39.8	-	2.8	3.6	2.5	2.3
333,4	Nonferrous metals .....	(*)	41.8	41.8	41.2	41.2	-	3.8	3.7	4.1	3.7
3334	Primary aluminum .....	-	41.3	41.4	39.9	40.0	-	-	-	-	-
335	Nonferrous rolling and drawing .....	(*)	42.1	42.9	41.2	41.1	-	4.4	5.2	3.7	3.5
3351	Copper rolling and drawing .....	-	42.4	43.5	42.4	42.1	-	-	-	-	-
3352	Aluminum rolling and drawing .....	-	42.6	43.2	41.0	41.1	-	4.9	5.5	3.6	3.8
3357	Nonferrous wire drawing and insulating .....	-	41.8	42.6	40.8	40.7	-	4.2	4.8	3.5	3.0
336	Nonferrous foundries .....	(*)	40.2	40.9	39.6	39.4	-	3.3	3.5	2.3	2.2
3361	Aluminum castings .....	-	39.9	40.8	39.5	38.8	-	-	-	-	-
3362,9	Other nonferrous castings .....	-	40.5	40.9	39.6	40.0	-	-	-	-	-
339	Miscellaneous primary metal products .....	(*)	39.7	42.1	39.1	39.2	-	3.4	4.7	2.7	2.5
3391	Iron and steel forgings .....	-	39.2	41.7	38.8	38.9	-	-	-	-	-
34	<b>FABRICATED METAL PRODUCTS</b> .....	41.3	40.8	41.5	40.3	40.3	-	3.5	3.7	2.8	3.0
341	Metal cans .....	45.2	45.0	43.8	43.9	44.8	-	5.8	5.3	4.9	5.6
342	Cutlery, hand tools, and hardware .....	(*)	40.3	40.7	39.9	39.6	-	2.8	2.9	2.2	1.9
3421,3,5	Cutlery and hand tools, incl. saws .....	-	40.4	40.9	40.1	39.5	-	-	-	-	-
3429	Hardware, n e c .....	-	40.3	40.6	39.8	39.6	-	-	-	-	-
343	Plumbing and heating, except electric .....	(*)	39.4	40.6	39.7	40.0	-	2.7	2.9	2.2	2.7
3431,2	Sanitary ware & plumbers' brass goods .....	-	40.0	41.0	39.7	39.9	-	-	-	-	-
3433	Heating equipment, except electric .....	-	38.9	40.2	39.7	40.2	-	-	-	-	-
344	Fabricated structural metal products .....	(*)	40.3	41.0	40.3	40.6	-	3.1	3.1	2.8	3.2
3441	Fabricated structural steel .....	-	40.6	41.5	41.5	41.7	-	3.6	3.3	3.8	4.0
3442	Metal doors, sash, and trim .....	-	39.3	40.1	39.8	40.1	-	-	-	-	-
3443	Fabricated plate work (boiler shops) .....	-	40.1	40.7	39.4	39.5	-	2.2	2.5	1.6	2.5
3444	Sheet metal work .....	-	40.5	41.1	40.2	40.7	-	-	-	-	-
3446,9	Architectural and misc. metal work .....	-	41.4	41.5	40.6	40.7	-	-	-	-	-
345	Screw machine products, bolts, etc. .....	(*)	42.6	43.1	40.7	40.2	-	4.7	4.9	3.4	2.7
3451	Screw machine products .....	-	43.0	42.8	40.3	40.0	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers .....	-	42.3	43.3	41.1	40.3	-	-	-	-	-
346	Metal stampings .....	(*)	41.9	42.7	40.1	40.0	-	4.2	4.4	2.5	2.8
347	Metal services, n e c .....	(*)	37.8	39.6	38.7	38.4	-	4.1	4.5	3.6	3.6
348	Misc. fabricated wire products .....	(*)	40.9	41.5	39.9	40.2	-	3.2	3.6	2.7	2.9
349	Misc. fabricated metal products .....	40.6	40.2	41.3	40.0	39.9	-	3.1	3.7	2.5	2.5
3494,8	Valves, pipe, and pipe fittings .....	-	40.4	41.5	39.9	39.6	-	-	-	-	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	41.8	41.5	42.1	40.3	40.3	-	3.6	3.9	2.6	2.5
351	Engines and turbines .....	(*)	40.2	41.6	40.5	40.1	-	3.2	4.1	3.8	3.4
3511	Steam engines and turbines .....	-	39.9	40.9	41.8	41.5	-	-	-	-	-
3519	Internal combustion engines, n e c .....	-	40.3	42.0	39.9	39.5	-	-	-	-	-
352	Farm machinery .....	-	40.9	41.7	39.6	39.6	-	3.7	4.5	1.9	2.0
353	Construction and related machinery .....	40.8	41.2	42.0	39.8	40.0	-	3.0	3.4	2.2	2.3
3531,2	Construction and mining machinery .....	-	41.4	42.4	39.9	39.9	-	2.8	3.3	2.1	2.2
3533	Oil field machinery .....	-	42.2	43.1	41.7	41.5	-	-	-	-	-
3533,6	Conveyors, hoists, cranes, monorails .....	-	41.3	41.2	39.2	40.3	-	-	-	-	-
3537	Industrial trucks and tractors .....	-	38.8	39.6	37.6	37.9	-	-	-	-	-
354	Metal working machinery .....	42.3	42.5	43.3	40.7	40.5	-	4.5	4.8	2.7	2.7
3541	Machine tools, metal cutting types .....	-	41.8	42.7	38.7	38.9	-	3.9	4.0	1.4	1.6
3544	Special dies, tools, jigs, & fixtures .....	-	43.9	45.0	42.0	41.8	-	-	-	-	-
3545	Machine tool accessories .....	-	42.7	42.5	39.4	39.8	-	3.7	3.6	1.0	1.3
3542,8	Misc. metal working machinery .....	-	40.5	41.1	40.5	39.7	-	-	-	-	-
355	Special industry machinery .....	41.9	41.4	42.3	40.3	40.0	-	3.3	3.8	2.5	2.2
3551	Food products machinery .....	-	41.2	41.8	39.6	40.2	-	-	-	-	-
3552	Textile machinery .....	-	40.0	40.8	39.4	38.3	-	-	-	-	-
3555	Printing trades machinery .....	-	43.7	45.2	42.2	41.2	-	-	-	-	-
356	General industrial machinery .....	41.9	41.2	42.1	40.2	40.0	-	3.4	3.9	2.5	2.3
3561	Pumps and compressors .....	-	40.8	42.6	40.4	39.9	-	3.2	3.9	2.6	2.5
3562	Ball and roller bearings .....	-	41.8	43.0	40.4	40.5	-	4.0	4.7	2.7	1.7
3564	Blowers and fans .....	-	40.1	40.5	41.2	40.8	-	-	-	-	-
3566	Power transmission equipment .....	-	42.2	42.4	39.8	40.0	-	4.3	4.2	2.1	2.2
357	Office and computing machines .....	(*)	42.5	42.3	42.0	41.4	-	3.0	3.0	2.7	2.5
3573	Electronic computing equipment .....	-	43.7	43.4	43.7	43.0	-	-	-	-	-
358	Service industry machines .....	(*)	40.5	40.7	38.8	40.1	-	2.7	2.9	2.4	2.3
3585	Refrigeration machinery .....	-	41.0	40.9	38.2	40.5	-	3.1	2.9	2.2	2.4
359	Misc. machinery, except electrical .....	(*)	42.1	42.2	40.5	40.8	-	4.4	4.4	3.2	3.0

See footnotes at end of table.



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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug. 1971	July 1971
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.6	39.8	40.7	40.0	39.6	-	2.4	2.6	2.2	1.9
361	Electric test & distributing equipment	(*)	40.8	41.2	40.4	40.6	-	3.0	2.9	2.4	2.3
3611	Electric measuring instruments	-	40.3	41.3	40.4	39.7	-	2.4	2.7	1.8	1.4
3612	Transformers	-	40.7	40.8	39.8	39.8	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.1	41.5	40.8	41.6	-	-	-	-	-
362	Electrical industrial apparatus	(*)	40.4	41.6	40.1	40.2	-	3.1	3.3	2.2	2.3
3621	Motors and generators	-	40.7	41.8	40.3	40.5	-	3.3	3.3	2.4	2.7
3622	Industrial controls	-	39.3	40.9	39.4	39.4	-	2.4	2.8	1.6	1.3
363	Household appliances	40.8	40.3	40.8	41.0	40.4	-	2.4	2.4	2.7	2.5
3632	Household refrigerators and freezers	-	41.6	41.7	41.7	41.4	-	-	-	-	-
3633	Household laundry equipment	-	39.2	40.8	42.3	40.3	-	-	-	-	-
3634	Electric housewares and fans	-	38.6	39.7	39.9	39.0	-	1.7	1.9	2.5	1.8
364	Electric lighting and wiring equipment	(*)	39.7	40.1	39.3	38.7	-	2.2	2.5	1.8	1.5
3641	Electric lamps	-	40.0	40.1	39.1	39.5	-	1.8	1.9	1.4	1.1
3642	Lighting fixtures	-	39.2	39.6	39.2	38.1	-	2.3	2.7	1.7	1.7
3643,4	Wiring devices	-	40.0	40.4	39.5	38.8	-	2.3	2.7	2.2	1.6
365	Radio and TV receiving equipment	(*)	37.3	39.0	38.5	38.3	-	1.8	2.0	1.7	1.1
366	Communication equipment	(*)	39.9	40.9	40.2	39.7	-	1.9	2.3	2.1	1.7
3661	Telephone and telegraph apparatus	-	39.1	40.3	39.6	38.8	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.4	41.5	40.8	40.5	-	2.5	2.6	2.4	2.2
367	Electronic components and accessories	(*)	39.5	40.4	39.4	38.8	-	2.3	2.8	1.9	1.6
3671-3	Electron tubes	-	39.1	40.3	39.5	37.9	-	1.5	2.3	1.6	1.1
3674,9	Other electronic components	-	39.5	40.4	39.4	39.0	-	2.4	3.0	2.0	1.7
369	Misc. electrical equipment & supplies	41.9	40.9	41.6	41.1	40.3	-	2.3	2.9	3.0	2.2
3694	Engine electrical equipment	-	41.5	42.1	40.7	40.7	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	40.6	41.4	42.1	39.3	39.4	-	3.7	4.0	2.7	2.7
371	Motor vehicles and equipment	(*)	42.4	43.3	38.6	38.9	-	4.4	4.8	2.6	2.9
3711	Motor vehicles	-	42.0	43.6	37.1	36.8	-	3.8	4.8	1.9	2.8
3712	Passenger car bodies	-	42.5	42.0	31.8	38.9	-	-	-	-	-
3713	Truck and bus bodies	-	40.8	41.0	39.7	39.6	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	43.0	43.6	40.7	40.7	-	4.9	5.1	3.1	3.0
3715	Truck trailers	-	41.1	40.6	39.9	39.7	-	-	-	-	-
372	Aircraft and parts	(*)	41.0	41.5	40.5	40.5	-	2.7	3.0	2.6	2.0
3721	Aircraft	-	41.1	41.6	40.7	40.7	-	2.1	2.8	2.7	1.9
3722	Aircraft engines and engine parts	-	40.8	40.6	39.5	39.4	-	3.1	2.7	2.0	2.8
3723,9	Other aircraft parts and equipment	-	41.2	42.6	41.2	41.5	-	3.5	4.0	3.2	2.8
373	Ship and boat building and repairing	(*)	40.3	40.3	39.7	39.0	-	3.6	3.2	3.1	2.7
3731	Ship building and repairing	-	40.6	40.1	39.1	38.9	-	-	-	-	-
3732	Boat building and repairing	-	39.6	40.8	38.5	38.2	-	-	-	-	-
374	Railroad equipment	-	39.4	39.0	39.4	40.5	-	2.1	1.8	2.9	3.7
375,9	Other transportation equipment	-	39.5	40.2	40.2	39.8	-	3.2	3.1	3.0	3.0
38	INSTRUMENTS AND RELATED PRODUCTS	40.7	40.2	40.7	39.6	39.5	-	2.3	2.7	2.4	1.8
381	Engineering & scientific instruments	-	40.7	41.6	38.8	38.7	-	2.9	3.2	2.7	1.9
382	Mechanical measuring & control devices	(*)	39.6	40.2	39.3	39.0	-	2.4	2.7	2.1	1.9
3821	Mechanical measuring devices	-	39.5	40.1	39.3	39.0	-	2.1	2.7	1.9	1.7
3822	Automatic temperature controls	-	39.9	40.2	39.3	39.0	-	2.8	2.7	2.3	2.2
383,5	Optical and ophthalmic goods	(*)	39.5	40.2	39.6	40.0	-	2.1	2.4	1.8	2.0
385	Ophthalmic goods	-	39.2	39.8	39.1	39.9	-	2.1	2.3	1.8	1.9
384	Medical instruments and supplies	40.9	40.2	40.7	39.5	39.0	-	2.1	2.6	1.9	1.8
386	Photographic equipment and supplies	(*)	41.4	41.9	40.5	40.7	-	2.7	2.9	3.6	1.9
387	Watches, clocks, and watch cases	-	39.8	39.6	39.3	38.7	-	1.5	2.1	1.6	1.0
39	MISC. MANUFACTURING INDUSTRIES	39.0	38.6	39.6	39.2	38.6	-	1.9	2.5	2.3	1.8
391	Jewelry, silverware, and plated ware	(*)	38.7	39.4	38.8	38.0	-	1.4	2.6	2.1	1.2
394	Toys and sporting goods	-	38.4	39.3	39.3	38.7	-	2.1	2.3	2.3	2.2
3941-3	Games, toys, dolls, & play vehicles	-	37.3	38.8	38.9	38.1	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.6	39.8	39.8	39.5	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.7	40.8	39.8	39.6	-	2.0	2.6	1.6	1.5
396	Costume jewelry and notions	-	38.1	39.3	38.5	38.7	-	1.4	2.7	2.2	1.7
393,9	Other manufacturing industries	39.5	38.7	39.7	39.4	38.5	-	2.0	2.5	2.5	1.8
393	Musical instruments and parts	-	37.9	39.7	40.7	37.4	-	1.3	2.4	3.2	1.3
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	40.7	40.9	40.7	40.7	40.6	-	4.2	4.0	4.2	4.1
201	Meat products	(*)	40.3	40.5	41.1	40.9	-	3.9	4.1	4.5	4.6
2011	Meat packing plants	-	40.8	41.1	42.1	42.5	-	3.8	4.2	4.9	5.3
2013	Sausages and other prepared meats	-	40.8	40.9	40.0	40.9	-	-	-	-	-
2015	Poultry dressing plants	-	39.4	39.4	40.1	38.6	-	-	-	-	-

See footnotes at end of table.



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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. p 1972	July p 1972	June 1972	Aug. 1971	July 1971	Aug. p 1972	July p 1972	June 1972	Aug. 1971	July 1971
	<i>Nondurable Goods--Continued</i>										
	<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
202	Dairy products.....	41.9	42.5	42.3	41.6	42.2	-	4.4	4.5	4.0	4.4
2024	Ice cream and frozen desserts.....	-	41.7	42.0	40.4	42.4	-	-	-	-	-
2026	Fluid milk.....	-	42.6	42.3	42.0	42.4	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	39.0	38.2	39.4	37.8	-	3.7	2.9	3.7	2.9
2031,6	Canned, cured and frozen sea foods.....	-	36.7	33.4	34.9	35.0	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	40.0	39.2	40.3	38.3	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	37.2	38.5	38.5	36.8	-	-	-	-	-
204	Grain mill products.....	44.9	45.3	45.0	44.9	45.3	-	7.4	6.7	6.9	6.9
2041	Flour and other grain mill product.....	-	47.3	46.2	46.5	45.7	-	-	-	-	-
2042	Prepared feeds for animals and fowls.....	-	46.2	46.6	46.0	47.5	-	-	-	-	-
205	Bakery products.....	40.2	40.4	40.1	39.4	39.9	-	3.8	3.6	3.3	3.4
2051	Bread, cake, and related products.....	-	40.0	39.8	39.3	39.8	-	-	-	-	-
2052	Cookies and crackers.....	-	41.7	41.0	39.6	40.2	-	-	-	-	-
206	Sugar.....	-	42.0	41.3	39.0	40.1	-	4.6	3.4	3.8	4.3
207	Confectionery and related products.....	(*)	39.7	39.4	39.9	39.1	-	2.4	2.2	3.1	2.1
2071	Confectionery products.....	-	39.2	39.7	39.4	38.5	-	-	-	-	-
208	Beverages.....	(*)	41.5	40.9	41.0	41.9	-	4.3	4.1	3.8	4.6
2082	Malt liquors.....	-	42.1	41.4	41.8	42.5	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	41.6	41.3	41.0	42.3	-	-	-	-	-
209	Misc. foods and kindred products.....	(*)	41.8	41.9	41.7	41.2	-	4.7	4.6	4.4	4.1
21	<b>TOBACCO MANUFACTURES.....</b>	35.8	34.3	34.8	37.4	39.3	-	.6	.6	2.6	3.6
211	Cigarettes.....	-	32.8	33.1	37.0	40.7	-	.4	.4	3.5	5.3
212	Cigars.....	-	36.7	37.8	37.6	37.3	-	1.2	1.1	1.6	1.2
22	<b>TEXTILE MILL PRODUCTS.....</b>	41.3	40.9	41.7	40.8	40.1	-	4.0	4.4	3.9	3.5
221	Weaving mills, cotton.....	(*)	42.1	42.4	41.0	40.4	-	4.6	5.0	4.0	3.6
222	Weaving mills, synthetics.....	42.7	42.8	43.1	42.0	42.1	-	4.8	5.3	4.2	4.2
223	Weaving and finishing mills, wool.....	(*)	41.1	41.9	38.8	38.6	-	3.7	4.1	2.9	2.3
224	Narrow fabric mills.....	39.4	40.0	40.7	40.4	39.3	-	3.0	3.2	3.2	2.6
225	Knitting mills.....	(*)	38.6	39.3	38.7	38.0	-	3.0	3.1	2.8	2.7
2251	Women's hosiery, except socks.....	-	37.3	38.0	36.5	34.4	-	-	-	-	-
2252	Hosiery, n e c.....	-	37.6	38.8	38.1	37.0	-	-	-	-	-
2253	Knit outerwear mills.....	-	37.3	38.4	38.7	38.4	-	-	-	-	-
2254	Knit underwear mills.....	-	39.1	39.1	38.5	38.0	-	-	-	-	-
226	Textile finishing, except wool.....	41.8	41.1	42.9	41.4	39.7	-	4.2	5.4	4.8	4.3
227	Floor covering mills.....	-	41.7	42.8	44.2	41.9	-	4.1	5.2	6.1	4.8
228	Yarn and thread mills.....	41.4	41.2	42.2	41.7	41.6	-	4.2	4.7	4.6	4.1
229	Miscellaneous textile goods.....	42.0	42.0	42.7	41.4	41.0	-	3.8	4.8	3.8	3.5
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS.....</b>	36.2	35.9	36.0	36.0	35.8	-	1.3	1.4	1.3	1.1
231	Men's and boys' suits and coats.....	(*)	36.7	36.4	35.8	35.4	-	.6	1.1	1.0	.3
232	Men's and boys' furnishings.....	(*)	36.8	37.1	37.5	36.9	-	1.2	1.4	1.4	1.1
2321	Men's and boys' shirts and nightwear.....	-	36.6	36.6	37.1	36.2	-	1.2	1.3	1.3	.9
2327	Men's and boys' separate trousers.....	-	37.2	36.9	37.7	37.5	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	37.2	37.8	37.2	37.3	-	1.0	1.4	1.2	.9
233	Women's and misses' outerwear.....	(*)	33.8	33.6	34.0	33.9	-	1.1	1.2	1.1	1.1
2331	Women's and misses' blouses and waists.....	-	35.5	35.2	34.7	35.2	-	-	-	-	-
2335	Women's and misses' dresses.....	-	32.5	31.9	33.0	32.6	-	1.0	1.1	1.0	1.0
2337	Women's and misses' suits and coats.....	-	33.4	33.6	34.0	34.2	-	1.2	1.1	1.3	1.3
2339	Women's and misses' outerwear, n e c.....	-	36.5	36.4	35.8	35.9	-	1.3	1.3	1.1	1.2
234	Women's and children's undergarments.....	(*)	36.0	36.5	36.3	36.0	-	1.4	1.5	1.3	1.1
2341	Women's and children's underwear.....	-	36.3	36.1	36.3	35.9	-	-	-	-	-
2342	Corsets and allied garments.....	-	35.1	37.4	36.2	36.2	-	-	-	-	-
235	Hats, caps, and millinery.....	-	36.4	36.9	35.9	36.1	-	.9	1.5	1.0	1.1
236	Children's outerwear.....	(*)	36.1	36.1	35.4	36.0	-	1.2	1.2	1.5	1.5
2361	Children's dresses and blouses.....	-	36.4	36.0	34.2	36.1	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel.....	-	35.7	36.2	36.6	35.6	-	.8	1.1	1.4	.8
239	Misc. fabricated textile products.....	(*)	38.0	38.1	38.2	38.1	-	2.3	2.2	1.9	2.0
2391,2	Housefurnishings.....	-	37.5	38.1	38.1	38.2	-	-	-	-	-
26	<b>PAPER AND ALLIED PRODUCTS.....</b>	43.1	42.9	43.0	42.5	42.4	-	5.1	5.0	5.0	4.7
261,2,6	Paper and pulp mills.....	(*)	44.7	44.3	44.3	44.7	-	6.6	6.0	6.3	6.0
263	Paperboard mills.....	45.2	45.5	45.1	44.3	44.2	-	8.0	7.4	7.6	7.1
264	Misc. converted paper products.....	(*)	41.6	41.9	41.0	40.6	-	3.5	3.7	3.2	3.4
2643	Bags, except textile bags.....	-	41.1	41.2	40.8	40.6	-	-	-	-	-
265	Paperboard containers and boxes.....	42.1	41.4	42.1	41.6	41.1	-	4.0	4.4	4.3	3.8
2651,2	Folding and setup paperboard boxes.....	-	40.6	41.0	40.2	40.0	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	42.1	43.1	42.7	41.9	-	4.5	5.2	5.4	4.6
2654	Sanitary food containers.....	-	42.1	41.7	41.9	42.2	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1972 P	July 1972 P	June 1972	Aug. 1971	July 1971	Aug. 1972 P	July 1972 P	June 1972	Aug. 1971	July 1971
	<i>Nondurable Goods--Continued</i>										
27	<b>PRINTING AND PUBLISHING</b> .....	\$171.97	\$170.62	\$169.03	\$159.47	\$158.30	\$4.49	\$4.49	\$4.46	\$4.23	\$4.21
271	Newspapers.....	179.14	177.79	177.79	164.26	163.55	4.99	4.98	4.98	4.64	4.62
272	Periodicals.....	-	193.11	191.35	176.84	173.84	-	4.78	4.69	4.41	4.39
273	Books.....	-	157.61	154.84	150.05	149.71	-	3.97	3.95	3.77	3.79
275	Commercial printing.....	176.28	175.31	172.93	165.17	162.78	4.52	4.53	4.48	4.29	4.25
2751	Commercial printing, ex. lithographic.....	-	167.91	166.75	159.01	156.24	-	4.35	4.32	4.13	4.09
2752	Commercial printing, lithographic.....	-	187.98	183.05	176.15	173.76	-	4.82	4.73	4.54	4.49
278	Blankbooks and bookbinding.....	(*)	129.15	127.44	122.88	122.43	(*)	3.32	3.31	3.20	3.18
274,6,7,9	Other publishing & printing ind.....	(*)	167.52	167.48	154.95	155.32	(*)	4.34	4.35	4.11	4.12
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> .....	175.14	176.40	176.40	164.79	164.79	4.21	4.22	4.20	3.99	3.99
281	Industrial chemicals.....	(*)	199.23	198.01	185.15	184.73	(*)	4.71	4.67	4.44	4.43
2812	Alkalies and chlorine.....	-	210.56	205.57	187.03	186.60	-	4.70	4.63	4.38	4.37
2818	Industrial organic chemicals, n e c.....	-	214.97	212.27	200.40	202.30	-	5.07	5.03	4.76	4.76
2819	Industrial inorganic chemicals, n e c.....	-	186.26	186.43	172.53	172.58	-	4.51	4.46	4.26	4.23
282	Plastics materials and synthetics.....	173.85	176.35	177.16	161.41	162.54	4.11	4.13	4.12	3.88	3.87
2821	Plastics materials and resins.....	-	194.92	195.80	176.78	174.69	-	4.44	4.44	4.14	4.12
2823,4	Synthetic fibers.....	-	159.64	159.56	146.93	149.40	-	3.81	3.79	3.61	3.60
283	Drugs.....	(*)	157.96	156.75	152.31	151.58	(*)	3.91	3.88	3.77	3.78
2834	Pharmaceutical preparations.....	-	154.31	153.09	146.77	146.03	-	3.81	3.78	3.66	3.66
284	Soap, cleaners, and toilet goods.....	166.36	172.57	170.98	159.90	159.98	4.18	4.24	4.16	3.90	3.96
2841	Soap and other detergents.....	-	223.84	219.56	199.86	203.69	-	5.23	5.13	4.77	4.92
2844	Toilet preparations.....	-	133.38	135.60	139.82	127.98	-	3.42	3.39	3.23	3.24
285	Paints and allied products.....	161.07	162.18	165.82	151.29	152.03	3.90	3.88	3.92	3.69	3.69
287	Agricultural chemicals.....	(*)	152.62	149.94	140.27	139.47	(*)	3.66	3.57	3.38	3.41
2871,2	Fertilizers, complete & mixing only.....	-	144.07	141.62	133.31	132.44	-	3.48	3.38	3.22	3.27
286,9	Other chemical products.....	(*)	164.01	164.80	155.29	156.79	(*)	4.01	4.00	3.76	3.76
2892	Explosives.....	-	162.77	169.74	159.92	165.55	-	4.10	4.13	3.91	3.97
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	208.08	209.73	209.88	195.53	197.80	4.99	4.97	4.95	4.59	4.60
291	Petroleum refining.....	214.90	218.29	219.98	201.96	205.22	5.28	5.26	5.25	4.82	4.84
295,9	Other petroleum and coal products.....	(*)	182.04	178.20	172.93	172.03	(*)	4.10	4.05	3.86	3.84
30	<b>RUBBER AND PLASTICS PRODUCTS, N E C</b> .....	150.28	148.10	148.57	139.04	137.94	3.63	3.63	3.58	3.45	3.44
301	Tires and inner tubes.....	(*)	211.23	209.28	197.77	195.67	(*)	4.97	4.80	4.72	4.67
302,3,6	Other rubber products.....	(*)	139.90	140.82	129.82	128.18	(*)	3.48	3.46	3.27	3.27
302	Rubber footwear.....	-	111.55	110.09	106.86	106.20	-	2.89	2.83	2.79	2.78
307	Miscellaneous plastics products.....	130.60	128.07	130.29	121.10	120.10	3.17	3.17	3.17	3.02	3.01
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	106.23	104.25	105.84	97.38	98.56	2.71	2.68	2.70	2.59	2.58
311	Leather tanning and finishing.....	(*)	130.18	138.35	127.47	125.45	(*)	3.39	3.45	3.26	3.25
314	Footwear, except rubber.....	(*)	102.57	102.97	94.75	96.64	(*)	2.61	2.62	2.52	2.51
312,3,5-7,5	Other leather products.....	(*)	99.53	102.68	93.36	94.25	(*)	2.64	2.66	2.53	2.52
316	Luggage.....	-	100.38	102.37	95.93	96.42	-	2.75	2.83	2.65	2.62
317	Handbags and personal leather goods.....	-	97.13	99.59	91.75	92.00	-	2.59	2.58	2.50	2.46
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	192.70	190.19	187.27	172.98	162.43	4.70	4.65	4.59	4.25	4.23
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup> .....	-	(*)	217.16	187.46	176.36	-	(*)	4.88	4.38	4.42
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>										
411	Local and suburban transportation.....	-	162.39	161.59	155.86	155.79	-	3.83	3.82	3.65	3.64
413	Intercity highway transportation.....	-	195.29	187.73	185.32	178.42	-	4.81	4.67	4.34	4.32
42	<b>TRUCKING AND WAREHOUSING</b> .....	-	206.49	203.20	189.57	186.52	-	4.87	4.77	4.45	4.42
421,3	Trucking and trucking terminals.....	-	211.30	207.10	193.88	190.80	-	4.96	4.85	4.53	4.50
422	Public warehousing.....	-	141.29	138.85	133.00	131.99	-	3.55	3.48	3.35	3.35
46	<b>PIPE LINE TRANSPORTATION</b> .....	-	217.12	207.97	202.37	208.38	-	5.27	5.06	4.90	4.88
48	<b>COMMUNICATION</b> .....	-	167.98	164.32	144.67	108.28	-	4.21	4.16	3.70	3.55
481	Telephone communication.....	-	167.20	163.55	141.90	100.50	-	4.18	4.13	3.62	3.43
4817	Switchboard operating employees <sup>3</sup> .....	-	120.02	116.27	103.55	81.44	-	3.40	3.37	2.95	2.94
4818	Line construction employees <sup>4</sup> .....	-	220.22	215.60	205.66	127.87	-	4.96	4.90	4.53	4.22
482	Telegraph communication <sup>5</sup> .....	-	(*)	178.89	(*)	(*)	-	(*)	4.29	(*)	(*)
483	Radio and television broadcasting.....	-	175.56	172.60	162.01	160.02	-	4.49	4.46	4.23	4.20

See footnotes at end of table.



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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. p 1972	July p 1972	June 1972	Aug. 1971	July 1971	Aug. p 1972	July p 1972	June 1972	Aug. 1971	July 1971
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING .....	38.3	38.0	37.9	37.7	37.6	-	2.8	2.7	2.8	2.6
271	Newspapers.....	35.9	35.7	35.7	35.4	35.4	-	2.4	2.6	2.3	2.3
272	Periodicals.....	-	40.4	40.8	40.1	39.6	-	3.4	3.7	3.5	3.1
273	Books .....	-	39.7	39.2	39.8	39.5	-	2.8	2.7	3.4	3.2
275	Commercial printing .....	39.0	38.7	38.6	38.5	38.3	-	3.1	2.9	3.1	2.9
2751	Commercial printing, ex. lithographic .....	-	38.6	38.6	38.5	38.2	-	3.0	2.9	3.0	2.7
2752	Commercial printing, lithographic .....	-	39.0	38.7	38.8	38.7	-	3.3	3.0	3.4	3.2
278	Blankbooks and bookbinding .....	(*)	38.9	38.5	38.4	38.5	-	2.2	2.1	2.1	1.8
274,6,7,9	Other publishing & printing ind.....	(*)	38.6	38.5	37.7	37.7	-	2.7	2.6	2.4	2.1
28	CHEMICALS AND ALLIED PRODUCTS..	41.6	41.8	42.0	41.3	41.3	-	3.3	3.4	3.1	3.0
281	Industrial chemicals.....	(*)	42.3	42.4	41.7	41.7	-	3.6	3.5	3.5	3.3
2812	Alkalies and chlorine.....	-	44.8	44.4	42.7	42.7	-	-	-	-	-
2818	Industrial organic chemicals, n e c.....	-	42.4	42.2	42.1	42.5	-	3.6	3.4	3.2	3.5
2819	Industrial inorganic chemicals, n e c.....	-	41.3	41.8	40.5	40.8	-	3.0	3.1	3.0	2.8
282	Plastics materials and synthetics .....	42.3	42.7	43.0	41.6	42.0	-	3.8	3.9	2.9	3.1
2821	Plastics materials and resins.....	-	43.9	44.1	42.7	42.4	-	5.3	5.2	4.3	4.0
2823,4	Synthetic fibers.....	-	41.9	42.1	40.7	41.5	-	2.8	3.0	1.8	2.4
283	Drugs .....	(*)	40.4	40.4	40.4	40.1	-	2.0	2.1	2.4	2.0
2834	Pharmaceutical preparations.....	-	40.5	40.5	40.1	39.9	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	39.8	40.7	41.1	41.0	40.4	-	3.0	2.7	3.0	2.7
2841	Soap and other detergents .....	-	42.8	42.8	41.9	41.4	-	-	-	-	-
2844	Toilet preparations .....	-	39.0	40.0	40.5	39.5	-	-	-	-	-
285	Paints and allied products.....	41.3	41.8	42.3	41.0	41.2	-	3.6	4.1	3.1	3.0
287	Agricultural chemicals .....	(*)	41.7	42.0	41.5	40.9	-	3.8	4.2	3.4	3.0
2871,2	Fertilizers, complete & mixing only..	-	41.4	41.9	41.4	40.5	-	-	-	-	-
286,9	Other chemical products .....	(*)	40.9	41.2	41.3	41.7	-	3.1	3.3	3.1	3.1
2892	Explosives .....	-	39.7	41.1	40.9	41.7	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS.....	41.7	42.2	42.4	42.6	43.0	-	3.6	3.8	3.7	3.9
291	Petroleum refining.....	40.7	41.5	41.9	41.9	42.4	-	2.7	3.0	2.7	2.9
295,9	Other petroleum and coal products.....	(*)	44.4	44.0	44.8	44.8	-	6.3	6.3	7.0	7.1
30	RUBBER AND PLASTICS PRODUCTS, NEC..	41.4	40.8	41.5	40.3	40.1	-	3.7	4.1	3.4	3.1
301	Tires and inner tubes.....	(*)	42.5	43.6	41.9	41.9	-	5.2	6.2	4.7	4.7
302,3,6	Other rubber products .....	(*)	40.2	40.7	39.7	39.2	-	2.8	3.1	2.7	2.2
302	Rubber footwear .....	-	38.6	38.9	38.3	38.2	-	1.7	2.2	2.2	2.3
307	Miscellaneous plastics products .....	41.2	40.4	41.1	40.1	39.9	-	3.5	3.9	3.4	3.1
31	LEATHER AND LEATHER PRODUCTS.....	39.2	38.9	39.2	37.6	38.2	-	2.2	2.9	1.7	1.7
311	Leather tanning and finishing.....	(*)	38.4	40.1	39.1	38.6	-	2.3	3.2	2.7	2.3
314	Footwear, except rubber.....	(*)	39.3	39.3	37.6	38.5	-	2.2	2.9	1.7	1.8
312,3,5-7,9	Other leather products .....	(*)	37.7	38.6	36.9	37.4	-	2.2	2.6	1.6	1.3
316	Luggage .....	-	36.5	36.3	36.2	36.8	-	1.6	1.7	1.6	1.3
317	Handbags and personal leather goods..	-	37.5	38.6	36.7	37.4	-	2.4	2.5	1.3	1.3
	TRANSPORTATION AND PUBLIC UTILITIES.....	41.0	40.9	40.8	40.7	38.4					
	RAILROAD TRANSPORTATION:										
4011	Class I railroads <sup>2</sup> .....	-	(*)	44.5	42.8	39.9	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation .....	-	42.4	42.3	42.7	42.8	-	-	-	-	-
413	Intercity highway transportation .....	-	40.6	40.2	42.7	41.3	-	-	-	-	-
	TRUCKING AND WAREHOUSING .....	-	42.4	42.6	42.6	42.2	-	-	-	-	-
421,3	Trucking and trucking terminals .....	-	42.6	42.7	42.8	42.4	-	-	-	-	-
422	Public warehousing .....	-	39.8	39.9	39.7	39.4	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	41.2	41.1	41.3	42.7	-	-	-	-	-
48	COMMUNICATION .....	-	39.9	39.5	39.1	30.5	-	-	-	-	-
481	Telephone communication .....	-	40.0	39.6	39.2	29.3	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> .....	-	35.3	34.5	35.1	27.7	-	-	-	-	-
4818	Line construction employees <sup>4</sup> .....	-	44.4	44.0	45.4	30.3	-	-	-	-	-
482	Telegraph communication <sup>5</sup> .....	-	(*)	41.7	(*)	(*)	-	-	-	-	-
483	Radio and television broadcasting.....	-	39.1	38.7	38.3	38.1	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971	Aug. 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971
-	<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>										
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	\$200.93	\$198.37	\$185.81	\$185.92	-	\$4.83	\$4.78	\$4.51	\$4.48
491	Electric companies and systems .....	-	206.22	202.66	192.70	193.24	-	4.91	4.86	4.61	4.59
492	Gas companies and systems .....	-	179.82	176.20	165.63	166.46	-	4.44	4.34	4.11	4.08
493	Combination companies and systems .....	-	224.39	222.49	201.14	200.41	-	5.33	5.31	4.93	4.90
494-7	Water, steam, & sanitary systems .....	-	165.55	165.15	158.72	159.42	-	3.97	3.97	3.77	3.76
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	\$108.66	108.36	106.86	103.68	103.61	\$3.01	3.01	3.01	2.88	2.87
50	<b>WHOLESALE TRADE.....</b>	154.81	155.20	154.00	147.63	146.43	3.88	3.88	3.85	3.70	3.67
501	Motor vehicles & automotive equipment .....	-	145.40	145.44	137.20	137.02	-	3.59	3.60	3.43	3.40
502	Drugs, chemicals, and allied products .....	-	155.54	155.16	149.00	147.83	-	4.04	4.03	3.85	3.82
503	Dry goods and apparel .....	-	142.13	141.38	135.74	133.84	-	3.78	3.75	3.61	3.55
504	Groceries and related products .....	-	150.14	146.65	140.80	142.74	-	3.68	3.63	3.52	3.49
506	Electrical goods .....	-	159.90	161.82	145.96	134.43	-	3.90	3.89	3.56	3.51
507	Hardware; plumbing & heating equipment .....	-	144.18	145.60	144.36	142.71	-	3.65	3.64	3.60	3.55
508	Machinery, equipment, and supplies .....	-	170.93	168.50	164.42	163.59	-	4.21	4.14	4.03	3.99
509	Miscellaneous wholesalers .....	-	156.02	154.84	149.31	148.50	-	3.96	3.94	3.78	3.75
52-59	<b>RETAIL TRADE.....</b>	93.61	93.61	91.73	89.18	89.78	2.69	2.69	2.69	2.57	2.58
53	Retail general merchandise .....	-	85.61	84.36	82.17	82.58	-	2.61	2.62	2.49	2.51
531	Department stores .....	-	88.87	88.36	86.13	86.45	-	2.76	2.77	2.65	2.66
532	Mail order houses .....	-	111.36	110.49	104.56	104.05	-	2.90	2.90	2.73	2.76
533	Variety stores .....	-	66.99	63.93	61.38	61.71	-	2.10	2.11	1.98	2.03
54	Food stores .....	-	104.10	101.95	98.45	98.70	-	3.08	3.08	2.93	2.92
541-3	Grocery, meat, and vegetable stores .....	-	107.07	104.54	101.02	101.57	-	3.14	3.13	2.98	2.97
56	Apparel and accessory stores .....	-	80.85	79.53	76.70	77.26	-	2.48	2.47	2.36	2.37
561	Men's & boys' clothing & furnishings .....	-	100.16	95.60	92.21	95.63	-	2.92	2.82	2.72	2.78
562	Women's ready-to-wear stores .....	-	72.77	72.31	68.20	68.42	-	2.34	2.34	2.20	2.20
565	Family clothing stores .....	-	80.03	78.65	76.21	76.12	-	2.34	2.32	2.19	2.20
566	Shoe stores .....	-	78.40	78.37	78.33	75.84	-	2.45	2.48	2.41	2.37
57	Furniture and home furnishings stores .....	-	122.90	120.48	117.18	117.04	-	3.26	3.23	3.10	3.08
571	Furniture and home furnishings .....	-	123.61	121.92	116.18	116.49	-	3.27	3.26	3.09	3.09
58	Eating and drinking places <sup>6</sup> .....	-	65.00	63.20	63.18	62.86	-	2.00	2.00	1.95	1.94
52,55,59	Other retail trade .....	-	115.20	114.00	110.11	111.36	-	3.00	3.00	2.86	2.87
52	Building materials and farm equipment .....	-	127.10	126.67	122.70	123.19	-	3.10	3.12	3.00	2.99
551,2	Motor vehicle dealers .....	-	153.47	153.85	144.08	145.30	-	3.78	3.78	3.54	3.57
553,9	Other automotive & accessory dealers .....	-	131.25	129.79	124.79	124.49	-	3.14	3.12	2.95	2.95
591	Drug stores and proprietary stores .....	-	84.88	82.80	82.09	82.41	-	2.58	2.54	2.48	2.46
594	Book and stationery stores .....	-	96.47	96.26	95.98	94.07	-	2.78	2.79	2.75	2.68
598	Fuel and ice dealers .....	-	129.72	129.08	125.73	127.10	-	3.45	3.47	3.30	3.31
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup></b>	127.60	129.03	127.60	123.09	122.06	3.43	3.45	3.43	3.30	3.29
60	Banking .....	-	113.18	111.53	108.62	108.04	-	3.01	2.99	2.92	2.92
61	Credit agencies other than banks .....	-	119.11	115.90	115.28	113.62	-	3.11	3.05	3.01	2.99
612	Savings and loan associations .....	-	117.44	112.98	114.76	113.40	-	3.14	3.07	3.02	3.00
62	Security, commodity brokers & services .....	-	226.31	221.26	201.11	201.45	-	6.10	5.98	5.45	5.43
63	Insurance carriers .....	-	132.08	131.35	128.76	128.04	-	3.56	3.55	3.48	3.47
631	Life insurance .....	-	133.58	132.49	131.40	129.96	-	3.63	3.62	3.60	3.59
632	Accident and health insurance .....	-	123.68	124.69	121.77	121.69	-	3.37	3.37	3.30	3.28
633	Fire, marine, and casualty insurance .....	-	133.50	133.14	128.25	127.50	-	3.56	3.56	3.42	3.40
-	<b>SERVICES.....</b>	107.57	108.58	106.36	103.75	103.70	3.10	3.12	3.11	2.99	2.98
701	Hotels and other lodging places: Hotels, tourist courts, and motels <sup>6</sup> .....	-	77.00	75.94	74.05	73.71	-	2.20	2.24	2.08	2.10
721	Laundries and dry cleaning plants .....	-	87.71	86.75	82.72	82.95	-	2.45	2.43	2.33	2.33
722	Photographic studios .....	-	99.53	96.56	101.03	95.63	-	2.86	2.84	2.83	2.74
781	Motion pictures: Motion picture filming & distributing .....	-	209.38	204.82	189.88	187.12	-	5.51	5.39	5.05	5.03
806	Hospitals .....	-	107.92	105.61	104.05	104.35	-	3.11	3.07	2.99	2.99

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug 1971	July 1971	Aug 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	Aug 1971	July 1971
-	<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>										
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	--	41.6	41.5	41.2	41.5	--	--	--	--	--
491	Electric companies and systems.....	--	42.0	41.7	41.8	42.1	--	--	--	--	--
492	Gas companies and systems.....	--	40.5	40.6	40.3	40.8	--	--	--	--	--
493	Combination companies and systems..	--	42.1	41.9	40.8	40.9	--	--	--	--	--
494-7	Water, steam & sanitary systems.....	--	41.7	41.6	42.1	42.4	--	--	--	--	--
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	36.1	36.0	35.5	36.0	36.1	--	--	--	--	--
50	<b>WHOLESALE TRADE.....</b>	39.9	40.0	40.0	39.9	39.9	--	--	--	--	--
501	Motor vehicles & automotive equipment..	--	40.5	40.4	40.0	40.3	--	--	--	--	--
502	Drugs, chemicals, and allied products...	--	38.5	38.5	38.7	38.7	--	--	--	--	--
503	Dry goods and apparel.....	--	37.6	37.7	37.6	37.7	--	--	--	--	--
504	Groceries and related products.....	--	40.8	40.4	40.0	40.9	--	--	--	--	--
506	Electrical goods.....	--	41.0	41.6	41.0	38.3	--	--	--	--	--
507	Hardware, plumbing & heating equipment	--	39.5	40.0	40.1	40.2	--	--	--	--	--
508	Machinery, equipment, and supplies....	--	40.6	40.7	40.8	41.0	--	--	--	--	--
509	Miscellaneous wholesalers.....	--	39.4	39.3	39.5	39.6	--	--	--	--	--
52-59	<b>RETAIL TRADE.....</b>	34.8	34.8	34.1	34.7	34.8	--	--	--	--	--
53	Retail general merchandise.....	--	32.8	32.2	33.0	32.9	--	--	--	--	--
531	Department stores.....	--	32.2	31.9	32.5	32.5	--	--	--	--	--
532	Mail order houses.....	--	38.4	38.1	38.3	37.7	--	--	--	--	--
533	Variety stores.....	--	31.9	30.3	31.0	30.4	--	--	--	--	--
54	Food stores.....	--	33.8	33.1	33.6	33.8	--	--	--	--	--
541-3	Grocery, meat, and vegetable stores...	--	34.1	33.4	33.9	34.2	--	--	--	--	--
56	Apparel and accessory stores.....	--	32.6	32.2	32.5	32.6	--	--	--	--	--
561	Men's & boys' clothing & furnishings..	--	34.3	33.9	33.9	34.4	--	--	--	--	--
562	Women's ready-to-wear stores.....	--	31.1	30.9	31.0	31.1	--	--	--	--	--
565	Family clothing stores.....	--	34.2	33.9	34.8	34.6	--	--	--	--	--
566	Shoe stores.....	--	32.0	31.6	32.5	32.0	--	--	--	--	--
57	Furniture and home furnishings stores..	--	37.7	37.3	37.8	38.0	--	--	--	--	--
571	Furniture and home furnishings.....	--	37.8	37.4	37.6	37.7	--	--	--	--	--
58	Eating and drinking places <sup>6</sup> .....	--	32.5	31.6	32.4	32.4	--	--	--	--	--
52,55,59	Other retail trade.....	--	38.4	38.0	38.5	38.8	--	--	--	--	--
52	Building materials and farm equipment	--	41.0	40.6	40.9	41.2	--	--	--	--	--
551,2	Motor vehicle dealers.....	--	40.6	40.7	40.7	40.7	--	--	--	--	--
553,9	Other automotive & accessory dealers.	--	41.8	41.6	42.3	42.2	--	--	--	--	--
591	Drug stores and proprietary stores...	--	32.9	32.6	33.1	33.5	--	--	--	--	--
594	Book and stationery stores.....	--	34.7	34.5	34.9	35.1	--	--	--	--	--
598	Fuel and ice dealers.....	--	37.6	37.2	38.1	38.4	--	--	--	--	--
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup>.....</b>	37.2	37.4	37.2	37.3	37.1	--	--	--	--	--
60	Banking.....	--	37.6	37.3	37.2	37.0	--	--	--	--	--
61	Credit agencies other than banks.....	--	38.3	38.0	38.3	38.0	--	--	--	--	--
612	Savings and loan associations.....	--	37.4	36.8	38.0	37.8	--	--	--	--	--
62	Security, commodity brokers & services.	--	37.1	37.0	36.9	37.1	--	--	--	--	--
63	Insurance carriers.....	--	37.1	37.0	37.0	36.9	--	--	--	--	--
631	Life insurance.....	--	36.8	36.6	36.5	36.2	--	--	--	--	--
632	Accident and health insurance.....	--	36.7	37.0	36.9	37.1	--	--	--	--	--
633	Fire, marine, and casualty insurance..	--	37.5	37.4	37.5	37.5	--	--	--	--	--
-	<b>SERVICES.....</b>	34.7	34.8	34.2	34.7	34.8	--	--	--	--	--
701	Hotels and other lodging places: Hotels, tourist courts, and motels <sup>6</sup> ...	--	35.0	33.9	35.6	35.1	--	--	--	--	--
721	Personal Services: Laundries & dry cleaning plants.....	--	35.8	35.7	35.5	35.6	--	--	--	--	--
722	Photographic studios.....	--	34.8	34.0	35.7	34.9	--	--	--	--	--
781	Motion pictures: Motion picture filming & distributing..	--	38.0	38.0	37.6	37.2	--	--	--	--	--
806	Hospitals.....	--	34.7	34.4	34.8	34.9	--	--	--	--	--

<sup>1</sup> For coverage of series, see footnote 1, table B-2.<sup>2</sup> Beginning January 1965, data relate to railroads with operating revenues of \$5,000,000 or more.<sup>3</sup> Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1971, such employees made up 29 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.<sup>4</sup> Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1971, such employees made up 34 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.<sup>5</sup> Data relate to nonsupervisory employees except messengers.<sup>6</sup> Money payments only; tips, not included.<sup>7</sup> Data for nonoffice salesmen excluded from all series in this division.<sup>\*</sup> Not available.<sup>P</sup> preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

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

Item	1972						1971						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
<b>EXECUTIVE BRANCH</b>													
Total employment . . . . .	2,617.6	2,621.1	2,624.0	2,616.3	2,616.2	2,614.1	2,645.2	2,615.7	2,619.5	2,626.9	2,649.8	2,647.6	2,634.5
Average weekly hours . . . . .	39.2	39.3	39.2	39.2	39.3	39.4	42.2	39.4	40.0	39.5	39.4	39.6	39.2
Average overtime hours . . . . .	.9	.9	.8	.7	.8	0	3.3	.8	.9	.9	.8	.8	.8
Indexes (1967=100):													
Average weekly earnings . . . . .	149.2	149.6	148.7	149.2	148.5	147.0	153.7	137.6	139.9	141.2	139.2	137.2	138.8
Average hourly earnings . . . . .	150.0	150.0	149.5	150.0	148.9	147.0	143.5	137.6	137.8	140.8	139.2	136.5	139.5
<b>DEPARTMENT OF DEFENSE</b>													
Total employment . . . . .	988.4	987.9	987.5	988.2	990.9	992.9	995.4	997.2	998.1	998.1	1,001.4	1,001.4	999.7
Average weekly hours . . . . .	39.7	40.0	39.8	39.9	40.0	40.1	39.8	40.1	41.1	40.0	39.8	40.5	39.8
Average overtime hours . . . . .	1.0	1.0	.8	.7	.6	.6	.6	.8	.8	.9	.9	.8	.9
Indexes (1967=100):													
Average weekly earnings . . . . .	150.6	150.6	149.1	150.0	147.9	147.0	141.8	142.3	142.8	141.2	138.9	139.7	139.9
Average hourly earnings . . . . .	152.9	151.8	151.0	151.5	149.0	147.7	143.6	143.1	140.1	142.2	140.6	139.0	141.7
<b>POSTAL SERVICE</b>													
Total employment . . . . .	694.2	698.8	703.6	704.2	704.2	706.0	738.9	705.8	703.7	705.6	713.7	709.8	714.1
Average weekly hours . . . . .	38.4	38.5	38.6	38.5	38.7	38.8	49.8	38.5	39.5	39.0	38.6	38.9	38.4
Average overtime hours . . . . .	.8	.8	.9	.8	.9	1.0	10.7	1.0	1.1	.7	.7	.7	.7
Indexes (1967=100):													
Average weekly earnings . . . . .	151.3	150.8	150.9	150.5	151.6	148.3	208.1	140.2	143.8	143.2	141.2	136.4	135.0
Average hourly earnings . . . . .	152.1	151.2	150.9	150.9	151.2	147.6	161.3	140.5	140.5	141.8	141.2	135.4	135.7
<b>OTHER AGENCIES</b>													
Total employment . . . . .	935.0	934.4	932.9	923.9	921.1	915.2	910.9	912.7	917.7	923.2	934.7	936.4	920.7
Average weekly hours . . . . .	39.3	39.0	38.9	39.0	38.9	39.0	39.1	39.2	39.2	39.1	39.4	39.3	39.1
Average overtime hours . . . . .	.9	.8	.9	.7	1.0	0	.6	.7	.8	.9	.9	.8	.9
Indexes (1967=100):													
Average weekly earnings . . . . .	148.2	148.5	147.7	149.3	148.7	147.5	134.0	132.3	136.0	140.4	138.7	137.9	141.4
Average hourly earnings . . . . .	146.3	147.8	147.3	148.5	148.3	146.8	132.9	130.9	134.7	139.4	136.6	136.1	140.3

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

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

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Aug. p 1972 <sup>p</sup>	July 1972 <sup>p</sup>	June 1972	Aug. 1971	July 1971
<b>MANUFACTURING</b> . . . . .	\$3.64	\$3.64	\$3.64	\$3.43	\$3.45
<b>DURABLE GOODS</b> . . . . .	3.88	3.86	3.87	3.66	3.66
Ordnance and accessories . . . . .		3.96	3.94	3.76	3.78
Lumber and wood products . . . . .		3.16	3.15	3.05	3.05
Furniture and fixtures . . . . .		2.93	2.93	2.83	2.82
Stone, clay, and glass products . . . . .		3.72	3.70	3.53	3.50
Primary metal industries . . . . .		4.46	4.43	4.15	4.05
Fabricated metal products . . . . .		3.81	3.81	3.62	3.60
Machinery, except electrical . . . . .		4.06	4.07	3.89	3.88
Electrical equipment and supplies . . . . .		3.57	3.55	3.41	3.42
Transportation equipment . . . . .		4.46	4.51	4.23	4.24
Instruments and related products . . . . .		3.61	3.60	3.45	3.47
Miscellaneous manufacturing industries . . . . .		3.01	2.99	2.86	2.87
<b>NONDURABLE GOODS</b> . . . . .	3.32	3.34	3.31	3.15	3.16
Food and kindred products . . . . .		3.41	3.42	3.18	3.23
Tobacco manufactures . . . . .		3.52	3.49	3.09	3.19
Textile mill products . . . . .		2.59	2.58	2.46	2.45
Apparel and other textile products . . . . .		2.54	2.55	2.45	2.44
Paper and allied products . . . . .		3.75	3.71	3.52	3.51
Printing and publishing . . . . .		(2)	(2)	(2)	(2)
Chemicals and allied products . . . . .		4.06	4.03	3.84	3.85
Petroleum and coal products . . . . .		4.77	4.74	4.40	4.40
Rubber and plastics products, n e c . . . . .	-	3.47	3.41	3.31	3.31
Leather and leather products . . . . .	-	2.61	2.61	2.53	2.52

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

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

p = preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971
<b>TOTAL PRIVATE:</b>									
Current dollars .....	\$136.11	\$135.39	\$127.94	\$111.61	\$111.08	\$104.27	\$121.05	\$120.49	\$112.93
1967 dollars .....	108.45	108.31	105.04	88.93	88.86	85.61	96.45	96.39	92.72
<b>MINING:</b>									
Current dollars .....	184.88	186.62	172.53	147.96	149.35	138.17	159.68	161.14	148.77
1967 dollars .....	147.31	149.30	141.65	117.90	119.48	113.44	127.24	128.91	122.14
<b>CONTRACT CONSTRUCTION:</b>									
Current dollars .....	227.62	224.47	216.41	181.74	179.26	172.67	195.52	192.88	185.40
1967 dollars .....	181.37	179.58	177.68	144.81	143.41	141.77	155.79	154.30	152.22
<b>MANUFACTURING:</b>									
Current dollars .....	153.12	154.63	142.09	124.16	125.28	114.71	134.34	135.51	123.97
1967 dollars .....	122.01	123.70	116.66	98.93	100.22	94.18	107.04	108.41	101.78
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
Current dollars .....	190.19	187.27	162.43	152.19	149.87	130.17	164.13	161.69	140.34
1967 dollars .....	151.55	149.82	133.36	121.27	119.90	106.87	130.78	129.35	115.22
<b>WHOLESALE AND RETAIL TRADE:</b>									
Current dollars .....	108.36	106.86	103.61	90.98	89.84	86.19	99.07	97.87	93.69
1967 dollars .....	86.34	85.49	85.07	72.49	71.87	70.76	78.94	78.30	76.92
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Current dollars .....	129.03	127.60	122.06	106.38	105.33	99.93	115.48	114.35	108.29
1967 dollars .....	102.81	102.08	100.21	84.76	84.26	82.04	92.02	91.48	88.91
<b>SERVICES:</b>									
Current dollars .....	108.58	106.36	103.70	91.14	89.46	86.25	99.25	97.48	93.76
1967 dollars .....	86.52	85.09	85.14	72.62	71.57	70.81	79.08	77.98	76.98
<b>CONSUMER PRICE INDEX (All items, 1967 = 100) .....</b>	125.5	125.0	121.8	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

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

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-6: Indexes of aggregate weekly man-hours and payrolls of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls**

1967 = 100

Industry division and group	August 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	August 1971	July 1971
	Man-hours				
<b>TOTAL</b> . . . . .	109.3	107.9	108.5	105.1	104.2
<b>GOODS-PRODUCING</b> . . . . .	99.9	96.5	99.4	95.5	94.0
<b>MINING</b> . . . . .	98.6	98.6	99.5	100.0	98.0
<b>CONTRACT CONSTRUCTION</b> . . . . .	110.0	106.0	104.3	110.8	108.9
<b>MANUFACTURING</b> . . . . .	98.2	94.8	98.5	92.7	91.3
<b>DURABLE GOODS</b> . . . . .	94.5	91.7	96.4	87.3	87.5
Ordnance and accessories . . . . .	57.8	55.2	54.8	53.4	52.5
Lumber and wood products . . . . .	110.0	106.8	108.9	101.1	99.8
Furniture and fixtures . . . . .	112.2	106.0	110.2	100.8	97.2
Stone, clay, and glass products . . . . .	110.3	108.1	109.2	104.2	102.5
Primary metal industries . . . . .	94.2	92.6	95.3	80.6	91.3
Fabricated metal products . . . . .	99.4	96.6	101.1	93.4	92.2
Machinery, except electrical . . . . .	87.5	86.2	88.7	79.3	79.6
Electrical equipment . . . . .	94.4	91.5	95.2	88.1	85.9
Transportation equipment . . . . .	84.8	81.7	94.3	82.4	82.1
Instruments and related products . . . . .	97.6	93.7	95.8	87.6	86.7
Miscellaneous manufacturing . . . . .	98.8	93.1	99.5	96.6	89.7
<b>NONDURABLE GOODS</b> . . . . .	103.7	99.2	101.7	100.6	96.8
Food and kindred products . . . . .	108.3	101.8	99.2	109.2	101.5
Tobacco manufactures . . . . .	82.1	63.3	65.1	84.1	67.1
Textile mill products . . . . .	105.1	101.4	106.2	99.3	95.8
Apparel and other textile products . . . . .	97.0	90.6	96.9	96.6	91.1
Paper and allied products . . . . .	105.6	103.0	104.8	99.5	97.2
Printing and publishing . . . . .	100.2	98.7	99.5	97.5	97.5
Chemicals and allied products . . . . .	99.2	98.6	100.3	97.7	98.0
Petroleum and coal products . . . . .	102.0	103.1	103.8	104.2	105.6
Rubber and plastics products, nec . . . . .	125.0	119.3	124.6	110.5	108.2
Leather and leather products . . . . .	94.8	88.0	93.3	86.8	84.1
<b>SERVICE-PRODUCING</b> . . . . .	115.8	115.9	114.8	111.7	111.2
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> . . . . .	108.0	107.6	107.7	105.3	100.1
<b>WHOLESALE AND RETAIL TRADE</b> . . . . .	113.6	113.3	112.4	109.3	109.4
<b>WHOLESALE TRADE</b> . . . . .	112.3	112.3	111.8	108.3	107.9
<b>RETAIL TRADE</b> . . . . .	114.0	113.7	112.6	109.7	109.9
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> . . . . .	123.0	123.2	121.7	119.5	119.2
<b>SERVICES</b> . . . . .	120.4	121.0	119.4	115.6	116.5

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

**C-6: Indexes of aggregate weekly man-hours and payrolls of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls--Continued**

1967 = 100

Industry division and group	August 1972 <sup>P</sup>	July 1972 <sup>P</sup>	June 1972	August 1971	July 1971
	Payrolls				
<b>TOTAL . . . . .</b>	148.5	146.1	146.5	135.3	133.5
<b>GOODS-PRODUCING . . . . .</b>	137.8	132.5	136.0	124.7	122.5
<b>MINING . . . . .</b>	134.8	134.1	135.1	128.7	124.5
<b>CONTRACT CONSTRUCTION . . . . .</b>	162.2	154.3	151.3	155.0	150.5
<b>MANUFACTURING . . . . .</b>	131.7	126.9	132.1	116.8	115.2
<b>DURABLE GOODS . . . . .</b>	127.3	122.7	129.6	110.2	110.3
Ordnance and accessories . . . . .	73.8	71.1	70.4	65.1	64.2
Lumber and wood products . . . . .	155.2	150.1	152.9	136.5	134.8
Furniture and fixtures . . . . .	148.7	138.7	144.5	127.2	121.5
Stone, clay, and glass products . . . . .	154.6	150.7	151.3	138.0	134.6
Primary metal industries . . . . .	133.0	128.9	132.2	103.5	114.4
Fabricated metal products . . . . .	133.0	129.0	135.2	117.5	115.7
Machinery, except electrical . . . . .	116.8	114.6	118.7	100.0	100.0
Electrical equipment . . . . .	126.1	121.1	125.9	111.3	108.6
Transportation equipment . . . . .	116.7	110.9	129.7	104.9	104.8
Instruments and related products . . . . .	127.8	122.2	124.9	109.2	107.9
Miscellaneous manufacturing . . . . .	130.7	122.4	130.8	121.1	112.4
<b>NONDURABLE GOODS . . . . .</b>	139.3	134.0	136.4	128.0	123.7
Food and kindred products . . . . .	144.4	138.2	134.7	138.4	130.5
Tobacco manufactures . . . . .	120.6	99.3	100.9	118.4	98.5
Textile mill products . . . . .	139.2	133.8	140.4	124.3	119.3
Apparel and other textile products . . . . .	125.0	115.4	124.0	118.9	111.1
Paper and allied products . . . . .	146.4	142.6	143.3	129.1	125.5
Printing and publishing . . . . .	137.1	135.1	135.6	125.9	125.3
Chemicals and allied products . . . . .	134.6	134.2	135.7	125.5	125.8
Petroleum and coal products . . . . .	142.3	143.2	143.6	133.6	135.8
Rubber and plastics products, nec . . . . .	165.3	157.7	162.4	138.8	135.7
Leather and leather products . . . . .	124.3	114.2	121.9	108.6	104.9
<b>SERVICE-PRODUCING . . . . .</b>	157.6	157.8	155.6	144.3	142.9
<b>TRANSPORTATION AND PUBLIC     UTILITIES . . . . .</b>	156.9	154.7	154.7	138.4	130.9
<b>WHOLESALE AND RETAIL TRADE . . . . .</b>	152.1	152.1	150.5	140.1	140.0
<b>WHOLESALE TRADE . . . . .</b>	151.3	151.5	149.7	139.3	137.8
<b>RETAIL TRADE . . . . .</b>	152.6	152.4	151.0	140.6	141.1
<b>FINANCE, INSURANCE, AND     REAL ESTATE . . . . .</b>	163.4	164.5	161.6	152.9	151.9
<b>SERVICES . . . . .</b>	163.4	165.1	162.1	151.1	151.7

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

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED HOURS**

90

**C-7: Average weekly hours of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, seasonally adjusted**

Industry	1972							1971					
	Aug. <sup>P</sup>	July <sup>P</sup>	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>TOTAL PRIVATE</b> .....	37.2	37.2	37.2	37.0	37.3	37.1	37.2	37.0	37.2	37.1	37.0	36.7	36.9
<b>MINING</b> .....	42.4	42.2	42.8	42.4	42.3	42.9	42.5	43.0	42.6	42.3	42.5	41.9	42.0
<b>CONTRACT CONSTRUCTION</b> .....	37.1	37.0	36.8	36.6	36.7	37.5	37.3	37.4	36.8	39.0	37.6	35.7	37.1
<b>MANUFACTURING</b> .....	40.7	40.6	40.6	40.5	40.8	40.4	40.5	40.0	40.3	40.1	39.8	39.5	39.8
<i>Overtime hours</i> .....	3.4	3.4	3.4	3.4	3.6	3.3	3.2	2.9	3.1	3.0	3.0	2.8	2.9
<b>DURABLE GOODS</b> .....	41.2	41.2	41.4	41.2	41.5	41.0	41.1	40.6	40.9	40.6	40.3	39.7	40.0
<i>Overtime hours</i> .....	3.6	3.5	3.5	3.5	3.7	3.3	3.2	2.9	3.0	2.9	2.8	2.7	2.8
Ordnance and accessories .....	42.9	42.5	42.0	42.0	42.4	42.3	42.4	41.2	42.0	41.9	41.8	41.7	41.9
Lumber and wood products .....	41.5	41.1	41.3	40.9	41.1	40.9	40.9	40.9	40.8	40.8	40.7	40.1	40.2
Furniture and fixtures .....	40.5	40.4	40.9	40.6	40.8	40.5	40.7	40.3	39.9	40.0	39.7	39.4	39.9
Stone, clay, and glass products .....	42.1	41.9	42.0	41.8	41.9	42.2	42.0	41.8	41.6	41.9	41.8	41.4	41.8
Primary metal industries .....	41.9	41.2	41.5	41.4	41.4	41.3	41.1	40.6	41.0	40.1	40.1	39.5	38.8
Fabricated metal products .....	41.2	41.2	41.2	41.1	41.2	40.8	41.0	40.4	40.9	40.4	40.1	39.3	40.2
Machinery, except electrical .....	42.3	42.0	42.1	41.7	41.8	41.4	41.4	41.0	41.3	41.1	40.8	40.5	40.8
Electrical equipment and supplies .....	40.6	40.3	40.5	40.4	40.8	40.3	40.7	40.1	40.3	40.1	39.9	39.6	40.0
Transportation equipment .....	41.2	41.5	42.0	42.0	42.9	42.1	41.9	40.7	41.7	40.5	40.5	38.5	39.9
Instruments and related products .....	40.9	40.5	40.6	40.7	40.7	40.3	40.8	40.3	40.4	40.2	39.9	39.7	39.8
Miscellaneous manufacturing industries .....	39.0	39.2	39.5	39.3	39.6	39.3	39.6	39.0	39.2	39.1	38.9	38.7	39.2
<b>NONDURABLE GOODS</b> .....	39.7	39.7	39.8	39.7	39.8	39.6	39.6	39.4	39.5	39.5	39.3	39.1	39.3
<i>Overtime hours</i> .....	3.2	3.3	3.4	3.2	3.3	3.3	3.2	3.1	3.0	3.0	3.0	3.1	3.1
Food and kindred products .....	40.1	40.5	40.6	40.4	40.7	40.6	40.2	40.1	40.4	39.9	40.0	40.1	40.1
Tobacco manufactures .....	35.6	34.6	34.3	33.9	33.8	34.4	33.6	34.8	35.6	35.6	34.7	36.6	37.1
Textile mill products .....	41.2	41.1	41.5	41.3	41.7	41.4	41.2	41.3	41.0	41.1	40.8	40.4	40.7
Apparel and other textile products .....	35.9	35.9	35.9	35.6	36.0	35.8	36.2	35.7	35.9	36.2	36.0	35.4	35.7
Paper and allied products .....	43.0	42.9	43.0	42.6	43.0	42.7	42.6	42.1	42.3	42.3	42.0	41.9	42.4
Printing and publishing .....	38.1	38.0	37.9	37.7	38.0	37.6	37.5	37.5	37.5	37.6	37.5	37.4	37.5
Chemicals and allied products .....	41.8	41.9	42.0	41.6	41.7	41.8	41.8	41.8	41.7	41.4	41.5	42.1	41.5
Petroleum and coal products .....	42.5	41.8	42.1	41.6	41.9	41.7	42.0	42.2	42.7	41.8	42.4	42.9	43.4
Rubber and plastics products, nec .....	41.2	41.0	41.5	41.2	41.5	41.2	41.0	40.8	40.9	40.6	40.3	40.0	40.1
Leather and leather products .....	39.2	38.4	38.6	38.7	39.1	38.2	38.5	38.0	37.9	38.3	37.9	37.3	37.6
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.8	40.5	40.7	40.5	40.3	40.6	40.4	40.0	40.5	40.4	40.3	40.6	40.5
<b>WHOLESALE AND RETAIL TRADE</b> .....	35.2	35.2	35.3	35.1	35.2	35.1	35.1	35.1	35.3	35.2	35.2	35.1	35.1
<b>WHOLESALE TRADE</b> .....	39.7	39.7	39.9	40.0	40.0	39.9	40.0	39.7	40.0	39.9	39.8	39.7	39.7
<b>RETAIL TRADE</b> .....	33.7	33.8	33.8	33.7	33.7	33.6	33.5	33.7	33.9	33.7	33.8	33.6	33.6
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	37.2	37.4	37.2	37.1	37.3	37.1	37.1	37.3	37.0	36.9	36.9	37.0	37.3
<b>SERVICES</b> .....	34.3	34.4	34.1	34.0	34.1	34.0	34.2	34.1	34.2	34.1	34.2	34.2	34.3

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



**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED**
**C-8: Indexes of aggregate weekly man-hours of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, seasonally adjusted**

Industry division and group	1967 = 100												
	1972								1971				
	Aug. p	July p	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>TOTAL</b> .....	106.8	106.3	106.7	106.1	105.9	105.2	104.7	104.3	103.9	103.7	103.1	102.7	102.6
<b>GOODS-PRODUCING</b> .....	97.1	96.2	97.2	96.6	96.6	96.0	95.3	94.7	94.1	94.5	93.3	92.3	92.5
<b>MINING</b> .....	95.0	95.0	96.1	96.5	96.3	99.8	98.7	100.0	97.4	79.6	79.5	97.7	96.7
<b>CONTRACT CONSTRUCTION</b> .....	96.5	94.9	96.8	96.6	95.9	99.3	97.5	101.3	96.7	105.5	100.7	94.4	97.1
<b>MANUFACTURING</b> .....	97.2	96.4	97.3	96.6	96.7	95.3	94.8	93.4	93.5	93.1	92.5	91.8	91.5
<b>DURABLE GOODS</b> .....	95.1	94.2	94.8	94.3	94.1	92.4	91.9	89.9	90.2	89.5	89.0	87.8	87.7
Ordnance and accessories .....	58.5	56.2	54.9	53.2	53.1	51.8	51.9	51.0	52.0	53.1	53.5	53.9	54.2
Lumber and wood products .....	105.6	104.0	103.7	102.5	103.0	101.9	101.7	101.9	100.9	101.5	100.4	97.8	96.9
Furniture and fixtures .....	110.0	109.4	109.7	108.1	108.4	107.0	106.7	105.2	103.1	102.5	100.7	99.7	98.9
Stone, clay, and glass products .....	105.7	105.2	105.6	105.1	103.8	104.3	103.2	102.5	100.4	101.5	100.9	99.9	99.9
Primary metal industries .....	93.9	91.4	92.5	92.9	92.1	91.1	88.4	87.1	86.6	84.9	85.8	84.0	80.3
Fabricated metal products .....	99.4	99.2	99.3	99.1	98.3	96.5	96.0	93.9	94.6	94.1	93.6	92.2	93.4
Machinery, except electrical .....	89.4	87.5	87.8	86.4	85.0	83.4	83.7	82.2	83.2	83.0	82.0	81.7	81.2
Electrical equipment .....	94.2	93.9	95.0	94.1	94.0	91.9	92.3	90.0	90.3	89.7	89.4	88.3	87.9
Transportation equipment .....	91.9	92.0	93.1	94.2	95.7	92.3	91.2	87.5	89.8	87.8	86.8	84.9	87.8
Instruments and related products .....	97.9	95.2	95.4	93.9	92.8	90.9	91.7	90.2	90.1	90.3	89.6	88.8	87.7
Miscellaneous manufacturing .....	95.6	97.0	98.9	97.2	98.8	97.8	98.0	95.0	93.7	92.0	92.1	92.5	93.4
<b>NONDURABLE GOODS</b> .....	100.2	99.7	100.9	99.9	100.5	99.6	99.1	98.4	98.3	98.3	97.5	97.5	97.1
Food and kindred products .....	96.5	98.7	99.8	97.9	98.9	98.9	97.4	97.7	97.8	96.7	95.2	97.9	97.4
Tobacco manufactures .....	71.2	72.9	73.5	73.8	73.6	73.7	68.4	70.9	71.2	72.5	68.2	74.5	73.0
Textile mill products .....	104.2	103.0	104.4	103.9	104.4	103.5	102.2	102.4	100.9	100.6	99.2	97.9	98.5
Apparel and other textile products .....	95.2	94.1	95.7	95.2	97.1	95.7	96.7	94.6	95.5	97.3	96.4	94.5	94.6
Paper and allied products .....	104.1	102.9	103.3	102.2	102.2	100.9	100.1	98.7	99.4	99.6	99.2	99.2	97.9
Printing and publishing .....	100.0	99.1	99.6	99.4	99.9	98.7	98.4	98.4	97.7	97.9	97.9	97.4	97.2
Chemicals and allied products .....	98.8	98.6	99.6	98.2	97.7	97.8	98.2	98.7	98.3	97.7	98.0	99.5	97.3
Petroleum and coal products .....	99.9	98.5	99.9	98.7	99.4	99.8	102.2	98.4	103.0	99.1	100.6	101.7	102.0
Rubber and plastics products, nec .....	123.7	121.8	124.3	121.7	121.0	119.4	116.8	115.3	114.3	113.2	112.9	111.5	109.1
Leather and leather products .....	93.3	88.1	90.6	90.5	90.4	87.3	88.0	85.9	85.3	86.2	85.0	84.0	85.6
<b>SERVICE-PRODUCING</b> .....	113.6	113.4	113.3	112.6	112.4	111.6	111.3	110.9	110.8	110.0	109.9	109.8	109.6
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	105.9	104.8	106.1	105.7	104.9	105.9	103.9	103.7	104.0	102.7	102.9	104.2	103.3
<b>WHOLESALE AND RETAIL TRADE</b> .....	111.1	111.0	111.1	110.8	110.6	109.2	108.9	108.7	108.5	107.9	107.8	107.3	107.0
<b>WHOLESALE TRADE</b> .....	110.3	110.0	110.8	111.0	110.4	109.9	109.1	108.0	108.3	107.7	107.3	106.8	106.4
<b>RETAIL TRADE</b> .....	111.5	111.3	111.2	110.7	110.6	108.9	108.8	108.9	108.5	107.8	108.0	107.5	107.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	120.3	120.8	120.7	119.8	119.7	118.9	118.7	119.1	117.9	117.5	117.0	117.0	117.1
<b>SERVICES</b> .....	118.5	118.5	117.3	116.2	116.1	115.4	115.8	114.9	115.0	114.2	114.0	113.7	113.8

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

**C-9: Man-hours of wage and salary workers<sup>1</sup> in nonagricultural establishments**

Industry division	Annual rate, millions of man-hours <sup>2</sup>			Percent change <sup>3</sup>		
	August 1972 p	July 1972 p	June 1972	July 1972 to August 1972	June 1972 to July 1972	August 1971 to August 1972
	<b>TOTAL - ALL INDUSTRIES</b> .....	142,732	142,333	142,575	5.7	- 2.0
<b>TOTAL - PRIVATE</b> .....	115,689	115,155	115,351	3.4	- 2.0	3.7
<b>MINING</b> .....	1,312	1,310	1,331	1.8	-17.4	- 1.4
<b>CONTRACT CONSTRUCTION</b> .....	6,226	6,113	6,213	24.6	-17.7	0.3
<b>MANUFACTURING</b> .....	39,864	39,615	39,792	7.8	- 5.2	4.6
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	9,598	9,519	9,606	10.4	-10.3	2.9
<b>WHOLESALE AND RETAIL TRADE</b> .....	28,875	28,767	28,841	4.6	- 3.0	3.9
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	7,622	7,643	7,618	-3.2	4.0	3.3
<b>SERVICES</b> .....	22,192	22,188	21,950	0.2	13.8	4.2
<b>GOVERNMENT</b> .....	27,043	27,178	27,224	- 5.8	- 2.0	3.0

<sup>1</sup> Data refer to hours paid for all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Surveys and Studies*—Chapter 25. Output Per Man-Hour Measures, Private Economy.

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

<sup>3</sup> Percent change compounded at annual rates.

p=preliminary.

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

**OUTPUT PER MAN-HOUR  
SEASONALLY ADJUSTED**

**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 <sup>1</sup>		Real compensation per man-hour <sup>2</sup>		Unit labor costs		Unit nonlabor payments <sup>3</sup>		Implicit price deflator	
	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm
1969: 1st quarter	107.3	107.4	103.4	104.0	103.7	103.2	112.5	111.9	104.9	104.2	108.5	108.3	102.6	102.6	106.2	106.2
2d quarter	107.7	108.1	104.2	104.9	103.4	103.0	114.5	113.7	104.9	104.2	110.7	110.4	102.8	102.6	107.6	107.4
3d quarter	108.2	108.5	104.5	105.4	103.6	103.0	116.7	115.6	105.5	104.5	112.7	112.3	103.0	103.0	108.9	108.8
4th quarter	107.5	107.9	104.0	105.2	103.3	102.5	119.5	118.0	106.5	105.2	115.5	115.1	102.1	101.8	110.4	110.1
Annual average	107.7	108.0	104.0	104.9	103.5	102.9	115.8	114.8	105.5	104.5	111.9	111.6	102.6	102.5	108.3	108.1
1970: 1st quarter	106.8	107.0	103.7	104.9	103.0	102.0	121.5	119.9	106.6	105.2	117.9	117.5	102.1	101.6	111.8	111.5
2d quarter	107.3	107.3	103.1	104.0	104.0	103.2	123.1	121.9	106.4	105.3	118.3	118.1	104.2	104.1	112.8	112.8
3d quarter	107.9	108.1	102.0	103.1	105.8	104.9	126.0	124.5	107.6	106.4	119.1	118.7	105.7	105.8	113.9	113.9
4th quarter	106.5	106.5	100.8	102.0	105.6	104.4	127.7	126.1	107.7	106.3	120.9	120.7	107.4	107.9	115.6	115.9
Annual average	107.1	107.2	102.4	103.5	104.6	103.6	124.5	123.1	107.0	105.8	119.0	118.8	104.9	104.9	113.5	113.5
1971: 1st quarter	108.7	108.7	101.3	102.5	107.3	106.1	130.1	128.4	108.8	107.5	121.2	121.1	110.3	110.6	117.0	117.1
2d quarter	109.7	109.8	101.7	102.8	107.8	106.9	132.0	130.7	109.3	108.2	122.4	122.3	111.6	111.7	118.2	118.3
3d quarter	110.4	110.5	101.4	102.6	108.8	107.6	134.1	132.5	109.9	108.6	123.2	123.1	112.5	112.5	119.0	119.1
4th quarter	112.3	112.7	102.2	103.3	109.9	109.1	135.9	134.4	110.8	109.6	123.6	123.3	112.6	112.3	119.3	119.1
Annual average	110.3	110.4	101.7	102.8	108.5	107.4	133.0	131.5	109.6	108.4	122.6	122.4	111.8	111.8	118.4	118.4
1972: 1st quarter	114.3	114.9	103.1	104.2	110.8	110.3	138.6	137.3	112.0	110.9	125.1	124.5	113.5	113.1	120.6	120.2
2d quarter	117.1 <sub>r</sub>	117.8 <sub>r</sub>	104.1 <sub>r</sub>	105.5 <sub>r</sub>	112.5	111.6	140.4 <sub>r</sub>	138.8 <sub>r</sub>	112.6 <sub>r</sub>	111.3 <sub>r</sub>	124.9	124.3 <sub>r</sub>	115.2	114.6 <sub>r</sub>	121.1 <sub>r</sub>	120.6 <sub>r</sub>
3d quarter																
4th quarter																
Annual average																
Percent change over previous quarter at annual rate <sup>4</sup>																
1969: 1st quarter	3.6	3.2	3.4	4.2	0.2	- 1.0	6.1	5.6	1.1	0.6	5.9	6.7	1.5	0.7	4.2	4.4
2d quarter	1.8	2.5	3.3	3.6	- 1.5	- 1.1	7.0	6.6	0.1	- 0.3	8.6	7.7	0.6	0.1	5.5	4.9
3d quarter	1.7	1.8	0.9	1.9	0.8	- 0.0	8.2	7.0	2.2	1.1	7.3	7.1	1.0	1.5	4.9	5.0
4th quarter	- 2.5	- 2.5	- 1.6	- 0.7	- 1.0	- 1.8	9.8	8.6	3.8	2.7	10.8	10.6	- 3.6	- 4.6	5.4	4.9
1970: 1st quarter	- 2.6	- 3.0	- 1.4	- 1.2	- 1.2	- 1.8	6.9	6.5	0.6	0.2	8.2	8.4	0.2	- 0.5	5.2	5.2
2d quarter	1.7	1.1	- 2.2	- 3.6	4.0	4.8	5.4	7.1	-1.0	0.5	1.4	2.2	8.2	10.2	3.8	4.9
3d quarter	2.3	2.9	- 4.3	- 3.5	7.0	6.6	9.6	8.9	4.9	4.1	2.5	2.1	6.2	6.7	3.8	3.7
4th quarter	- 5.1	- 5.7	- 4.5	- 4.0	- 0.6	- 1.7	5.6	4.9	0.2	- 0.4	6.3	6.8	6.4	8.1	6.3	7.2
1971: 1st quarter	8.7	8.6	2.1	2.1	6.5	6.4	7.7	7.8	4.3	4.4	1.1	1.3	11.3	10.5	4.7	4.5
2d quarter	3.7	4.1	1.7	1.0	2.0	3.1	6.1	7.2	1.6	2.7	4.0	4.0	4.9	4.0	4.3	4.0
3d quarter	2.5	2.4	- 1.2	- 0.5	3.8	2.9	6.4	5.6	2.3	1.5	2.5	2.7	3.2	2.7	2.8	2.7
4th quarter	7.2	8.1	3.0	2.6	4.1	5.4	5.6	6.0	3.3	3.6	1.5	0.5	0.2	- 0.6	1.0	0.1
1972: 1st quarter	7.0	8.1	3.6	3.5	3.3	4.5	8.1	8.7	4.6	5.1	4.7	4.0	3.5	3.0	4.2	3.7
2d quarter	10.2 <sub>r</sub>	10.6 <sub>r</sub>	4.0 <sub>r</sub>	5.3 <sub>r</sub>	6.0	5.0	5.4 <sub>r</sub>	4.4 <sub>r</sub>	2.2 <sub>r</sub>	1.3 <sub>r</sub>	- 0.6 <sub>r</sub>	- 0.5 <sub>r</sub>	5.9 <sub>r</sub>	5.4 <sub>r</sub>	1.7 <sub>r</sub>	1.5 <sub>r</sub>
3d quarter																
4th quarter																
Percent change over previous year <sup>5</sup>																
Year ending -																
1971: 1st quarter	1.8	1.6	- 2.3	- 2.3	4.2	4.0	7.1	7.2	2.1	2.1	2.8	3.1	8.0	8.8	4.7	5.1
2d quarter	2.3	2.3	- 1.3	- 1.2	3.7	3.5	7.2	7.2	2.7	2.7	3.4	3.5	7.2	7.3	4.8	4.9
3d quarter	2.3	2.2	- 0.5	- 0.4	2.9	2.6	6.4	6.4	2.1	2.0	3.4	3.7	6.4	6.3	4.5	4.6
4th quarter	5.5	5.8	1.4	1.3	4.1	4.4	6.4	6.7	2.9	3.1	2.3	2.1	4.8	4.1	3.2	2.8
1972: 1st quarter	5.1	5.6	1.8	1.6	3.3	4.0	6.6	6.9	2.9	3.2	3.2	2.8	2.9	2.3	3.1	2.6
2d quarter	6.7 <sub>r</sub>	7.3 <sub>r</sub>	2.3 <sub>r</sub>	2.7 <sub>r</sub>	4.3	4.4	6.4	6.2	3.1	2.9	2.0 <sub>r</sub>	1.7	3.2	2.6	2.4 <sub>r</sub>	2.0 <sub>r</sub>
3d quarter																
4th quarter																

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

<sup>2</sup> Compensation per man-hour adjusted for changes in the Consumer Price Index.

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

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

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

<sub>r</sub> preliminary.

<sub>r</sub> revised.

SOURCE: Output data from the Bureau of Economic Analysis, 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 25. Output Per Man-Hour Measures, Private Economy.*

**C-11: Indexes of average hourly earnings, private nonfarm economy,<sup>1</sup> adjusted for overtime  
(in manufacturing only) and interindustry employment shifts, 1964 to date**

(1967 = 100)

Year and month	Current dollars	1967 dollars	Current dollars	1967 dollars	Current dollars	1967 dollars	Current dollars	1967 dollars
	Total private <sup>2</sup>		Mining		Contract construction		Manufacturing	
1964 .....	88.6	95.3	88.3	95.0	86.6	93.2	90.3	97.2
1965 .....	91.9	97.2	91.8	97.2	90.1	95.3	92.6	98.0
1966 .....	95.6	98.4	96.2	99.0	94.6	97.3	95.7	98.5
1967 .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968 .....	106.6	102.3	105.6	101.3	107.1	102.8	106.2	101.9
1969 .....	113.6	103.5	113.7	103.5	116.5	106.1	112.6	102.5
1970 .....	121.2	104.2	120.3	103.5	127.4	109.6	119.7	102.9
1971 .....	129.6	106.9	127.1	104.7	138.7	114.3	127.6	105.2
1971: August .....	130.5	106.9	128.3	105.1	140.1	114.8	128.9	105.1
September .....	131.7	107.8	129.6	106.1	142.6	116.7	129.1	105.6
October .....	131.5	107.5	126.4	103.2	143.6	117.3	128.9	105.3
November .....	131.7	107.4	127.4	103.9	143.2	116.8	129.0	105.2
December .....	133.4	108.3	132.9	108.0	142.8	116.0	131.7	107.0
1972: January .....	134.6	109.3	134.2	108.9	143.7	116.6	132.7	107.7
February .....	135.0	109.0	134.0	108.2	143.5	115.9	133.2	107.6
March .....	135.4	109.2	134.3	108.3	143.6	115.8	133.7	107.8
April .....	136.5	109.8	135.5	109.0	144.6	116.4	134.2	108.0
May .....	136.8	109.7	134.8	108.1	146.1	117.2	134.8	108.1
June .....	136.8	109.4	135.6	108.5	145.1	116.1	134.9	107.9
July P .....	137.5	109.6	136.3	108.6	145.8	116.2	135.2	107.7
August P .....	137.8	(*)	136.6	(*)	147.8	(*)	135.8	(*)
Year and month	Transportation and public utilities		Wholesale and retail trade		Finance, insurance, and real estate		Services	
1964 .....	89.4	96.2	87.3	93.9	89.2	96.0	86.3	92.9
1965 .....	93.6	99.0	90.7	96.0	92.5	97.8	90.7	96.0
1966 .....	96.4	99.2	95.0	97.7	96.0	98.8	95.2	98.0
1967 .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968 .....	105.5	101.3	107.2	102.8	105.8	101.5	106.6	102.3
1969 .....	112.2	102.1	114.1	103.9	112.2	102.2	114.0	103.8
1970 .....	118.9	102.3	121.1	104.1	118.9	102.2	122.2	105.1
1971 .....	130.0	107.2	128.3	105.8	126.8	104.5	130.3	107.4
1971: August .....	131.0	107.3	129.1	105.7	127.7	104.6	131.3	107.5
September .....	133.6	109.3	129.9	106.3	127.6	104.4	132.5	108.5
October .....	133.3	108.9	129.9	106.2	127.8	104.4	131.7	107.6
November .....	133.8	109.1	130.1	106.1	127.7	104.2	131.9	107.6
December .....	136.2	110.6	131.0	106.4	129.1	104.9	132.9	108.0
1972: January .....	137.4	111.6	132.5	107.5	131.3	106.6	134.4	109.1
February .....	138.3	111.7	132.7	107.2	131.2	106.0	134.8	108.9
March .....	139.2	112.3	133.1	107.3	131.5	106.0	135.0	108.8
April .....	141.2	113.6	134.2	107.9	133.4	107.3	136.1	109.5
May .....	141.7	113.6	134.2	107.6	132.6	106.4	135.9	109.0
June .....	141.7	113.3	134.7	107.8	132.7	106.2	135.8	108.6
July P .....	143.6	114.4	135.2	107.7	133.5	106.4	136.9	109.1
August P .....	144.8	(*)	135.0	(*)	132.7	(*)	135.9	(*)

<sup>1</sup> Production and nonsupervisory workers.<sup>2</sup> Prior data are as follows:

Total private	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Current dollars .....	42.6	46.0	48.2	50.0	53.7	56.4	59.6	61.7	63.7	67.0	70.3	73.2	75.8	78.4	80.8	83.5	85.9
1967 dollars .....	63.7	63.8	67.5	69.3	69.0	70.9	74.4	76.6	79.4	82.3	83.4	84.5	86.8	88.4	90.2	92.2	93.7

\* Not available.

p = preliminary.

NOTE: Seasonally adjusted data are shown in table C-16.

**EMPLOYEE COMPENSATION DATA**  
**SEASONALLY ADJUSTED**

**C-12: Four-quarter changes in compensation, seasonally adjusted**

Measure	Percent change over 4-quarter period <sup>1</sup> ending in--								
	1972		1971				1970		
	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.	June
Average hourly compensation:									
All persons, total private economy	6.4	6.6	6.4	6.4	7.2	7.1	6.9	7.9	7.5
All employees, private nonfarm economy:									
Current dollars	6.2	6.8	6.6	6.4	7.3	7.3	6.9	7.6	7.1
1967 dollars	2.9 <sup>r</sup>	3.2	3.0	2.1	2.8	2.3	1.1	1.8	1.0
Average hourly earnings, private nonfarm economy <sup>2</sup> :									
Mining	7.2	7.9	2.2	6.5	6.2	5.9	6.6	6.5	6.7
Contract construction	6.8	7.8	8.3	8.6	9.4	9.1	9.1	9.8	9.1
Manufacturing	6.5	6.1	6.5	5.6	6.4	6.4	4.4	5.6	5.6
Transportation and public utilities	10.9	10.2	9.8	9.4	8.7	8.9	6.7	6.1	5.5
Wholesale and retail trade	4.9	5.5	5.4	5.7	6.2	5.9	5.5	6.2	6.3
Finance, insurance, and real estate	5.0	5.9	5.8	7.2	7.8	6.1	5.5	5.2	4.6
Services	5.0	5.4	5.1	5.9	7.2	7.7	8.0	8.0	7.1
Average hourly earnings, private nonfarm economy, <sup>2</sup> adjusted for overtime (in manufacturing only) and interindustry employment shifts:									
Total, current dollars	6.2	6.5	6.4	6.8	7.4	7.3	6.6	6.9	6.5
1967 dollars	2.9	2.9	2.9	2.4	2.9	2.3	.9	1.1	.4
Mining	7.4	8.2	4.6	6.4	5.7	5.0	5.6	5.8	5.9
Contract construction	6.6	7.8	8.2	8.4	9.3	9.1	9.1	9.9	9.1
Manufacturing	6.1	6.3	6.2	6.4	6.9	7.1	6.3	6.6	6.4
Transportation and public utilities	10.7	9.8	9.9	9.1	9.1	9.0	6.6	6.2	5.5
Wholesale and retail trade	5.1	5.7	5.8	6.1	6.4	5.9	5.6	6.1	6.1
Finance, insurance, and real estate	5.0	5.4	5.5	6.9	7.6	6.4	6.2	6.3	5.8
Services	4.7	5.3	5.0	6.3	7.7	7.8	7.7	7.6	6.6
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	7.2	6.7	3.8	7.2	8.6	13.9	10.5	10.4	14.8
Average union scales, 7 building trades:									
Wages and selected benefits	7.3	11.1	10.8	11.7	12.1	13.5	12.9	12.8	12.9
Hourly wage rates	6.1	10.3	10.1	10.9	11.3	12.3	11.8	11.7	11.9
Wage rates, hired farm labor	5.7	4.7	3.5	5.9	5.5 <sup>r</sup>	5.5	5.6	6.3	5.1
Average weekly earnings, private nonfarm economy: <sup>2</sup>									
Current dollars	6.5	6.6	6.7	5.7	6.2	5.2	4.0	4.3	4.2
1967 dollars	3.3	2.9	3.1	1.3	1.7	.3	-1.6	-1.3	-1.8
Real spendable earnings (worker and 3 dependents, 1967 dollars)	4.0	3.7	3.9	2.3	2.6	1.3	-1.2	-1.0	-1.4

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

<sup>r</sup> = revised  
NOTE: See technical description at end of table C-16.

**C-13: Quarter-to-quarter changes in compensation, seasonally adjusted**

Measure	Percent change over previous quarter at annual rate								
	1972		1971				1970		
	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.	June
Average hourly compensation:									
All persons, total private economy	5.4	8.1	5.6	6.4	6.1	7.7	5.6	9.6	5.4
All employees, private nonfarm economy:									
Current dollars	4.4 <sup>r</sup>	8.6	6.1	5.6	6.9	7.9	5.3	9.0	7.0
1967 dollars	1.3 <sup>r</sup>	5.0	3.7	1.5	2.4	4.6	-.1	4.3	.5
Average hourly earnings, private nonfarm economy <sup>1</sup> :									
Mining	6.5	7.5	5.1	5.2	6.9	7.5	5.0	7.3	5.6
Contract construction	4.1	29.6	-8.5	7.1	6.5	4.5	7.8	6.1	5.4
Manufacturing	5.5	6.8	6.9	8.3	9.5	8.6	8.0	11.6	8.1
Transportation and public utilities	7.4	10.3	4.1	4.2	5.8	11.8	.8	7.4	5.8
Wholesale and retail trade	7.3	14.9	9.7	11.8	4.6	13.0	8.5	8.7	5.4
Finance, insurance, and real estate	4.1	6.5	3.7	5.2	6.3	6.4	5.0	7.1	5.1
Services	5.6	8.3	1.6	4.6	9.5	7.9	7.1	6.8	2.7
Average hourly earnings, private nonfarm economy, <sup>1</sup> adjusted for overtime (in manufacturing only) and interindustry employment shifts:									
Total, current dollars	5.6	8.6	4.4	6.0	7.1	8.3	5.9	8.3	6.6
1967 dollars	3.1	4.5	2.0	2.0	3.1	4.4	.3	3.8	.6
Mining	3.8	19.8	-.8	7.9	7.0	4.7	6.0	5.1	4.4
Contract construction	4.8	6.7	6.7	8.1	9.6	8.3	7.6	11.8	8.7
Manufacturing	5.6	9.3	3.8	5.9	6.3	8.9	4.7	7.6	7.2
Transportation and public utilities	9.8	13.8	9.7	9.4	6.4	14.0	6.6	9.4	6.0
Wholesale and retail trade	4.6	6.3	3.7	5.7	7.2	6.6	5.0	7.0	4.9
Finance, insurance, and real estate	7.7	6.9	1.7	3.8	9.5	7.2	7.0	6.8	4.8
Services	3.8	8.6	4.0	2.5	6.3	7.4	9.1	8.0	6.7
Average hourly earnings, all Federal executive branch employees <sup>2</sup>	.8	6.4	2.3	-2.8	1.6	3.5	3.8	2.6	5.3
Average union scales, 7 building trades:									
Wages and selected benefits	3.1	9.8	8.5	7.8	18.5	8.7	12.2	9.5	24.6
Hourly wage rates	1.1	9.9	6.8	7.0	17.9	9.0	10.2	8.4	22.1
Wage rates, hired farm labor	9.2	7.0	-6.5	14.5 <sup>r</sup>	4.7 <sup>r</sup>	2.4	2.4	12.7	5.0
Average weekly earnings, private nonfarm economy: <sup>1</sup>									
Current dollars	7.3	7.5	8.2	3.3	7.3	7.9	4.3	5.4	3.4
1967 dollars	4.7	3.5	5.7	-.6	3.4	4.0	-1.3	1.0	-2.4
Real spendable earnings (worker and 3 dependents, 1967 dollars)	3.8	8.8	4.8	-1.0	2.5	9.6	-1.7	.5	-2.7

<sup>1</sup> Production and nonsupervisory workers.  
<sup>2</sup> 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.

<sup>r</sup> = revised  
NOTE: See technical description at end of table C-16.

**EMPLOYEE COMPENSATION DATA  
SEASONALLY ADJUSTED**
**C-14: Twelve-month changes in compensation, seasonally adjusted**

Measure	Percent change at annual rate over 12-month period <sup>1</sup> ending in:-												
	1972						1971						
	Aug. <sup>P</sup>	July <sup>P</sup>	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Average hourly earnings, private nonfarm economy <sup>2</sup>	5.5	5.5	5.8	5.9	6.5	6.2	6.0	6.3	6.3	5.8	6.4	6.1	6.1
Mining	6.5	7.4	7.2	6.9	7.7	7.2	7.8	8.6	7.8	-1.3	(4)	6.7	6.7
Contract construction	5.5	5.4	6.0	6.7	7.9	7.7	7.6	8.2	8.7	7.9	8.3	9.0	8.0
Manufacturing	6.4	6.1	6.2	6.8	6.5	6.3	6.0	6.0	6.4	6.2	6.8	5.3	5.6
Transportation and public utilities	10.6	10.0	10.6	10.9	11.2	10.5	9.8	10.3	10.5	9.3	9.4	10.0	9.0
Wholesale and retail trade	4.5	4.9	4.9	4.5	5.3	5.3	5.3	5.7	5.8	5.1	5.4	5.5	5.8
Finance, insurance, and real estate	3.9	4.8	4.6	4.3	6.2	5.6	5.3	6.9	6.3	5.1	6.1	6.8	7.4
Services	3.7	4.7	4.7	4.7	5.7	5.4	5.4	5.5	5.2	4.8	5.2	5.2	6.0
Average hourly earnings, private nonfarm economy, <sup>2</sup> adjusted for overtime (in manufacturing only) and interindustry employment shifts:													
Total, current dollars	5.6	5.9	5.9	5.9	6.7	6.5	6.3	6.7	6.8	6.0	6.5	6.6	6.9
1967 dollars	(*)	2.8	2.9	2.6	3.1	2.9	2.5	3.3	3.4	2.5	2.7	2.5	2.3
Mining	6.4	7.7	7.4	6.8	8.0	8.1	7.9	8.6	7.7	2.9	3.2	6.7	6.7
Contract construction	5.5	5.2	5.9	6.5	7.4	7.6	7.5	8.3	8.2	8.0	8.4	8.6	8.0
Manufacturing	5.8	5.8	6.0	6.2	6.1	6.3	6.3	6.4	6.4	5.8	6.4	6.1	6.5
Transportation and public utilities	10.6	10.8	10.2	10.5	11.3	10.4	9.2	9.8	11.0	9.2	9.4	9.8	8.9
Wholesale and retail trade	4.6	5.0	5.0	4.6	5.6	5.6	5.5	6.1	6.4	5.3	5.7	5.8	6.0
Finance, insurance, and real estate	3.9	5.0	4.7	4.1	6.1	5.0	4.8	6.4	5.9	4.9	5.7	6.4	7.0
Services	3.5	4.6	4.4	4.1	5.7	5.3	5.2	5.5	5.1	4.7	5.3	5.5	6.6
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	(*)	(*)	7.5	6.9	7.0	7.8	6.7	5.6	4.5	2.8	4.1	6.7	7.5
Average weekly earnings, private nonfarm economy: <sup>2</sup>													
Current dollars	6.4	6.4	6.1	6.2	7.4	6.5	6.5	6.6	6.9	6.4	6.7	6.1	5.6
1967 dollars	(*)	3.3	3.2	2.8	3.8	2.9	2.8	3.1	3.5	2.8	3.0	2.0	1.0
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	4.0	4.0	3.6	4.5	3.7	3.5	3.9	4.3	3.7	3.8	3.0	2.0

<sup>1</sup> Current month divided by same month a year earlier.  
<sup>2</sup> Production and nonsupervisory workers.  
<sup>3</sup> Computed from data that are not seasonally adjusted.

\* Not available.  
 p= preliminary.

<sup>4</sup> Less than 0.05 percent.

NOTE: See technical description at end of table C-16.

**C-15: Six-month changes in compensation, seasonally adjusted**

Measure	Percent change at annual rate over 6-month period <sup>1</sup> ending in:-													
	1972						1971							
	Aug. <sup>P</sup>	July <sup>P</sup>	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Average hourly earnings, private nonfarm economy <sup>2</sup>	5.7	4.6	5.8	7.6	7.6	7.1	5.3	6.5	5.9	4.1	5.4	5.4	6.7	6.1
Mining	5.2	3.3	3.3	23.3	23.8	7.4	7.9	11.6	11.2	-7.3	-6.3	7.1	7.7	5.6
Contract construction	4.8	3.1	4.8	6.6	7.0	6.3	6.3	7.8	7.1	6.8	8.8	9.2	8.9	8.6
Manufacturing	5.4	6.1	6.1	10.8	9.7	7.9	7.4	6.2	6.3	2.8	3.4	4.6	4.6	5.8
Transportation and public utilities	9.1	7.3	7.8	11.9	13.4	12.0	12.1	12.7	13.4	9.9	8.9	9.0	7.5	8.0
Wholesale and retail trade	4.8	4.1	4.8	5.6	5.6	5.6	4.2	5.6	4.9	3.5	5.0	5.0	6.5	5.8
Finance, insurance, and real estate	4.2	4.2	4.8	8.0	8.0	5.5	3.6	5.5	4.3	.6	4.4	5.7	7.0	8.4
Services	.6	2.0	4.0	6.7	8.1	6.0	6.8	7.5	5.4	2.7	3.4	4.8	4.1	3.4
Average hourly earnings, private nonfarm economy, <sup>2</sup> adjusted for overtime (in manufacturing only) and interindustry employment shifts:														
Total, current dollars	5.2	4.8	5.2	8.1	8.0	6.5	5.9	7.1	6.6	3.8	5.3	6.4	6.8	6.4
1967 dollars	(*)	1.5	2.2	4.5	4.7	3.3	2.4	4.1	3.6	.8	1.6	2.5	2.7	2.5
Mining	5.4	3.7	4.9	14.3	15.9	7.8	7.5	11.9	10.0	-2	.6	8.4	8.4	5.4
Contract construction	5.0	2.7	5.0	6.2	6.2	6.4	6.0	7.8	6.8	6.9	8.6	8.9	9.0	8.7
Manufacturing	5.4	5.1	5.5	9.1	7.7	6.8	6.3	6.5	6.5	3.4	4.6	5.7	6.3	6.2
Transportation and public utilities	10.2	8.9	8.3	13.5	13.8	11.5	11.0	12.8	12.2	7.6	8.9	9.3	7.5	6.9
Wholesale and retail trade	5.2	4.2	4.0	5.9	6.4	5.2	3.9	5.9	5.9	3.4	4.8	6.0	7.2	6.2
Finance, insurance, and real estate	5.3	4.4	5.9	7.4	8.7	4.6	2.6	5.6	3.6	.9	3.7	5.5	7.2	7.2
Services	1.3	1.7	4.1	6.8	7.7	5.4	5.8	7.6	4.7	1.4	3.7	5.2	4.6	3.4
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	(*)	(*)	4.5	9.0	8.5	6.5	7.0	7.7	5.8	-3.8	-2.7	2.5	-.4	-3.8
Average weekly earnings, private nonfarm economy: <sup>2</sup>														
Current dollars	5.7	5.7	5.8	7.0	9.4	9.4	7.0	7.1	6.5	5.3	5.4	3.7	6.1	6.1
1967 dollars	(*)	2.4	2.7	3.5	6.0	6.1	3.5	4.1	3.6	2.2	1.7	-.2	2.0	2.2
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	1.8	5.1	5.7	8.0	8.2	5.8	6.4	2.9	1.7	1.1	-.6	1.3	1.5

<sup>1</sup> Current month divided by month 6 months earlier.  
<sup>2</sup> Production and nonsupervisory workers.  
<sup>3</sup> 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-16.

**EMPLOYEE COMPENSATION DATA  
SEASONALLY ADJUSTED**

**C-16: Average hourly or weekly compensation, seasonally adjusted**

Measure	1972							1971					
	3d quarter		2d quarter			1st quarter		4th quarter			3d quarter		
	Aug. <sup>p</sup>	July <sup>p</sup>	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
<b>Levels</b>													
Average hourly earnings, private nonfarm economy <sup>1</sup>	\$ 3.65	\$ 3.62	\$ 3.62	\$ 3.61	\$ 3.61	\$ 3.58	\$ 3.55	\$ 3.54	\$ 3.52	\$ 3.48	\$ 3.48	\$ 3.46	\$ 3.46
Mining	4.40	4.37	4.34	4.33	4.35	4.30	4.29	4.30	4.27	3.90	3.91	4.15	4.13
Contract construction	6.10	6.03	6.04	6.05	6.04	5.99	5.96	5.94	5.90	5.86	5.84	5.81	5.78
Manufacturing	3.82	3.80	3.79	3.79	3.77	3.74	3.72	3.69	3.68	3.60	3.60	3.60	3.59
Transportation and public utilities	4.69	4.64	4.59	4.58	4.58	4.54	4.49	4.48	4.42	4.33	4.30	4.29	4.24
Wholesale and retail trade	3.03	3.02	3.01	2.99	2.99	2.98	2.96	2.96	2.94	2.91	2.91	2.90	2.90
Finance, insurance, and real estate	3.45	3.46	3.43	3.43	3.45	3.40	3.38	3.39	3.35	3.30	3.32	3.31	3.32
Services	3.11	3.12	3.12	3.13	3.14	3.11	3.10	3.09	3.06	3.03	3.02	3.02	3.00
Wage rates, hired farm labor (quarterly data)	-	1.84	-	-	1.80	-	-	1.77	-	-	1.80	-	-
Average weekly earnings, private nonfarm economy: <sup>1</sup>													
Current dollars	135.78	134.66	134.66	133.57	134.65	132.82	132.06	130.98	130.94	129.11	128.76	126.98	127.67
1967 dollars	(*)	107.46	107.91	107.10	108.32	107.03	106.45	106.18	106.46	105.29	105.20	103.91	104.62
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	95.69	96.09	95.45	96.45	95.46	95.00	94.85	93.73	92.85	92.79	91.79	92.36
<b>Indexes, 1967=100</b>													
Average hourly compensation (quarterly data):													
All persons, total private economy	(*)	-	-	140.4 <sup>r</sup>	-	-	138.6	-	-	135.9	-	-	134.1
All employees, private nonfarm economy:													
Current dollars	(*)	-	-	138.9 <sup>r</sup>	-	-	137.4	-	-	134.6	-	-	132.7
1967 dollars	(*)	-	-	111.4 <sup>r</sup>	-	-	111.1	-	-	109.7	-	-	108.7
Average hourly earnings, private nonfarm economy, <sup>1</sup> adjusted for overtime (in manufacturing only) and interindustry employment shifts:													
Total, current dollars	138.2	137.8	136.9	136.8	136.6	135.5	134.7	134.5	133.5	131.6	131.4	131.3	130.9
1967 dollars	(*)	109.9	109.7	109.7	109.9	109.2	108.6	109.0	108.5	107.3	107.4	107.5	107.3
Mining	137.5	136.6	136.0	135.0	135.5	134.6	134.0	134.1	132.8	126.2	125.9	129.6	129.2
Contract construction	147.8	146.1	146.2	146.4	145.9	145.0	144.2	144.1	142.7	142.1	141.6	140.6	140.1
Manufacturing	136.3	135.6	135.2	134.8	134.0	133.4	132.8	132.3	131.6	129.0	129.1	129.1	128.8
Transportation and public utilities	145.0	143.6	141.7	142.1	141.8	140.0	138.1	137.6	136.2	133.4	132.9	132.6	131.1
Wholesale and retail trade	135.7	135.3	134.5	133.8	134.1	133.0	132.3	132.6	131.8	130.1	129.9	129.7	129.7
Finance, insurance, and real estate	133.4	133.6	133.1	132.5	133.5	131.0	130.0	130.8	129.4	127.9	128.1	128.1	128.4
Services	135.7	135.9	135.8	136.3	136.7	135.4	134.8	134.8	133.1	131.9	131.7	131.9	131.0
Average hourly earnings, all Federal executive branch employees <sup>2</sup>	(*)	(*)	150.0	150.0	149.5	150.0	148.9	147.0	143.5	137.6	137.8	140.8	139.2
Average union scales, 7 building trades (quarterly data):													
Wages and selected benefits	-	157.6	-	-	156.4	-	-	152.8	-	-	149.7	-	-
Hourly wage rates	-	150.3	-	-	149.9	-	-	146.4	-	-	144.0	-	-

<sup>1</sup> Production and nonsupervisory workers.

<sup>2</sup> Not seasonally adjusted.

<sup>r</sup> = revised

\* Not available.

<sup>p</sup> = preliminary.

**Technical description covering tables C-11 through C-16**

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

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

**C-17: 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		
	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971	July 1972 P	June 1972	July 1971
<b>ALABAMA</b> .....	\$132.84	\$133.22	\$121.29	41.0	41.5	40.7	\$3.24	\$3.21	\$2.98
Birmingham .....	157.80	159.00	141.45	41.2	41.3	40.3	3.83	3.85	3.51
Mobile .....	165.48	159.01	152.22	42.0	41.3	43.0	3.94	3.85	3.54
<b>ALASKA</b> .....	(*)	197.89	221.11	(*)	38.2	44.4	(*)	5.18	4.98
<b>ARIZONA</b> .....	157.10	155.07	150.06	40.7	40.7	41.0	3.86	3.81	3.66
Phoenix .....	155.19	155.56	140.59	40.1	40.3	38.1	3.87	3.86	3.69
Tucson .....	153.85	151.90	130.32	40.7	40.4	38.9	3.78	3.76	3.35
<b>ARKANSAS</b> .....	111.20	112.46	105.34	40.0	40.6	39.6	2.78	2.77	2.66
Fort Smith .....	109.53	112.72	102.36	39.4	40.4	40.3	2.78	2.79	2.54
Little Rock-North Little Rock .....	119.18	119.48	111.22	40.4	40.5	39.3	2.95	2.95	2.83
Pine Bluff .....	142.39	142.39	133.80	40.8	40.8	40.3	3.49	3.49	3.32
<b>CALIFORNIA</b> .....	169.12	170.05	160.37	39.7	40.2	39.5	4.26	4.23	4.06
Anaheim-Santa Ana-Garden Grove .....	166.46	166.87	155.60	40.5	40.9	40.0	4.11	4.08	3.89
Bakersfield .....	179.42	173.26	168.51	40.5	40.2	41.0	4.43	4.31	4.11
Fresno .....	151.96	146.57	139.35	40.2	39.4	38.6	3.78	3.72	3.61
Los Angeles-Long Beach .....	161.19	164.03	154.44	39.8	40.5	39.6	4.05	4.05	3.90
Modesto .....	150.00	150.75	137.56	37.5	37.5	38.0	4.00	4.02	3.62
Oxnard-Simi Valley-Ventura .....	151.70	152.06	146.57	39.3	39.6	39.4	3.86	3.84	3.72
Riverside-San Bernardino-Ontario .....	169.70	168.48	158.39	40.5	40.5	40.2	4.19	4.16	3.94
Sacramento .....	179.33	172.82	170.11	38.9	37.9	38.4	4.61	4.56	4.43
Salinas-Seaside-Monterey .....	159.14	147.29	145.76	39.1	37.1	39.5	4.07	3.97	3.69
San Diego .....	172.38	173.36	167.78	39.0	39.4	39.2	4.42	4.40	4.28
San Francisco-Oakland .....	194.82	193.85	179.49	39.2	39.4	38.6	4.97	4.92	4.65
San Jose .....	175.43	172.87	168.84	39.6	39.2	40.2	4.43	4.41	4.20
Santa Barbara-Santa Maria-Lompoc .....	155.61	149.31	144.01	39.0	37.8	37.7	3.99	3.95	3.82
Santa Rosa .....	161.05	162.35	149.74	38.9	39.5	38.2	4.14	4.11	3.92
Stockton .....	173.82	172.22	170.51	38.8	38.7	40.5	4.48	4.45	4.21
Vallejo-Fairfield-Napa .....	164.37	164.40	147.73	37.7	38.5	37.4	4.36	4.27	3.95
<b>COLORADO</b> .....	161.96	161.95	154.80	40.9	41.0	41.5	3.96	3.95	3.73
Denver .....	167.28	166.87	157.56	41.0	41.0	40.4	4.08	4.07	3.90
<b>CONNECTICUT</b> .....	161.44	160.96	147.38	41.5	41.7	40.6	3.89	3.86	3.63
Bridgeport .....	160.75	163.83	149.11	40.8	41.9	40.3	3.94	3.91	3.70
Hartford .....	172.99	169.28	151.18	42.4	41.9	40.1	4.08	4.04	3.77
New Britain .....	165.22	167.20	144.28	41.1	41.8	39.1	4.02	4.00	3.69
New Haven .....	157.35	157.32	149.65	41.3	41.4	41.0	3.81	3.80	3.65
Stamford .....	162.81	164.42	153.97	40.5	40.9	40.2	4.02	4.02	3.83
Waterbury .....	149.94	150.16	139.67	42.0	42.3	41.2	3.57	3.55	3.39
<b>DELAWARE</b> .....	162.81	159.57	145.91	40.3	40.5	38.6	4.04	3.94	3.78
Wilmington .....	178.97	177.32	161.77	40.4	40.3	38.7	4.43	4.40	4.18
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA .....	(*)	179.33	166.34	(*)	39.5	39.7	(*)	4.54	4.19
<b>FLORIDA</b> .....	134.72	134.04	126.86	41.2	41.5	40.4	3.27	3.23	3.14
Fort Lauderdale-Hollywood .....	136.53	141.38	129.20	41.0	41.1	38.8	3.33	3.44	3.33
Jacksonville .....	159.38	156.28	143.31	42.5	42.7	42.4	3.75	3.66	3.38
Miami .....	125.29	122.36	115.05	39.9	39.6	39.0	3.14	3.09	2.95
Orlando .....	132.29	134.30	122.43	41.6	42.5	38.5	3.18	3.16	3.18
Pensacola .....	162.43	158.30	147.49	42.3	42.1	41.9	3.84	3.76	3.52
Tampa-St. Petersburg .....	140.42	137.76	135.79	40.7	40.4	40.9	3.45	3.41	3.32
West Palm Beach .....	151.84	154.60	131.67	40.6	40.9	38.5	3.74	3.78	3.42
<b>GEORGIA</b> .....	121.81	124.73	113.93	40.2	41.3	40.4	3.03	3.02	2.82
Atlanta .....	157.16	157.14	143.11	40.4	40.5	40.2	3.89	3.88	3.56
Savannah .....	160.31	158.84	146.51	43.8	43.4	42.1	3.66	3.66	3.48

See footnotes at end of table.

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

**C-17: 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		
	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971
<b>HAWAII</b> .....	\$ 133.25	\$ 139.86	\$ 133.02	40.5	42.0	43.9	\$ 3.29	\$ 3.33	\$ 3.03
Honolulu .....	127.83	140.38	132.76	39.7	42.8	44.7	3.22	3.28	2.97
<b>IDAHO</b> ....	147.78	148.80	147.04	39.2	40.0	38.9	3.77	3.72	3.78
<b>ILLINOIS</b> .....	(*)	173.68	158.81	(*)	41.2	40.1	(*)	4.21	3.96
Chicago .....	(*)	176.38	160.83	(*)	41.5	40.1	(*)	4.25	4.01
Davenport-Rock Island-Moline .....	193.56	202.50	174.04	40.0	41.0	38.6	4.84	4.94	4.51
Decatur .....	(*)	183.44	169.70	(*)	41.1	39.7	(*)	4.46	4.28
Peoria .....	191.04	205.15	185.53	39.7	41.6	40.4	4.82	4.93	4.60
Rockford .....	(*)	167.61	149.55	(*)	41.3	38.6	(*)	4.06	3.88
Springfield .....	183.77	192.23	172.06	40.0	42.3	40.3	4.59	4.54	4.27
<b>INDIANA</b> .....	178.42	179.26	160.00	41.3	41.4	39.8	4.32	4.33	4.02
Indianapolis .....	(*)	185.64	161.20	(*)	42.0	40.0	(*)	4.42	4.03
<b>IOWA</b> .....	167.53	172.06	158.00	39.7	40.2	39.5	4.22	4.28	4.00
Cedar Rapids .....	174.12	173.36	166.86	41.4	41.2	41.2	4.20	4.20	4.05
Des Moines .....	159.54	166.27	168.00	35.7	37.0	38.8	4.47	4.50	4.33
Dubuque .....	198.96	194.58	179.64	40.9	39.2	38.8	4.86	4.97	4.63
Sioux City .....	138.27	143.93	137.03	37.9	39.1	38.6	3.65	3.68	3.55
Waterloo .....	202.24	215.65	178.45	42.0	43.1	40.1	4.81	5.00	4.45
<b>KANSAS</b> .....	152.80	157.33	141.68	41.0	42.0	39.9	3.73	3.75	3.55
Topeka .....	197.86	205.29	165.57	47.1	48.4	42.4	4.20	4.24	3.91
Wichita .....	161.10	160.46	141.15	42.7	42.0	38.0	3.78	3.82	3.71
<b>KENTUCKY</b> .....	146.83	149.45	137.07	39.9	40.5	39.5	3.68	3.69	3.47
Louisville .....	171.00	175.39	163.21	39.4	40.6	40.4	4.34	4.32	4.04
<b>LOUISIANA</b> .....	158.79	156.65	146.78	42.8	42.8	42.3	3.71	3.66	3.47
Baton Rouge .....	214.70	208.74	196.56	42.6	42.0	42.0	5.04	4.97	4.68
New Orleans .....	157.35	158.04	145.18	41.3	41.7	41.6	3.81	3.79	3.49
Shreveport .....	143.23	143.90	131.52	42.5	42.7	41.1	3.37	3.37	3.20
<b>MAINE</b> .....	126.27	122.51	114.05	41.4	40.7	39.6	3.05	3.01	2.88
Lewiston-Auburn .....	104.80	102.29	93.95	39.4	38.6	36.7	2.66	2.65	2.56
Portland .....	137.94	136.86	124.97	41.3	41.1	39.3	3.34	3.33	3.18
<b>MARYLAND</b> .....	158.38	158.36	143.78	40.3	40.5	39.5	3.93	3.91	3.64
Baltimore .....	166.46	166.05	150.44	40.6	40.9	39.8	4.10	4.06	3.78
<b>MASSACHUSETTS</b> .....	145.27	147.02	134.46	39.8	40.5	39.2	3.65	3.63	3.43
Boston .....	158.40	161.19	146.26	39.8	40.5	38.9	3.98	3.98	3.76
Brockton .....	125.90	128.88	120.17	39.1	40.4	39.4	3.22	3.19	3.05
Fall River .....	106.20	103.78	103.30	36.0	35.3	36.5	2.95	2.94	2.83
Lawrence-Haverhill .....	137.86	140.35	126.01	39.5	40.1	39.5	3.49	3.50	3.19
Lowell .....	135.68	131.60	113.93	40.5	39.4	37.6	3.35	3.34	3.03
New Bedford .....	117.56	121.35	111.51	37.8	39.4	37.8	3.11	3.08	2.95
Springfield-Chicopee-Holyoke .....	146.00	148.83	135.49	40.0	41.0	39.5	3.65	3.63	3.43
Worcester .....	147.38	149.48	136.37	39.3	40.4	38.2	3.75	3.70	3.57
<b>MICHIGAN</b> .....	215.17	209.09	182.24	42.7	42.9	40.0	5.04	4.87	4.56
Ann Arbor .....	225.02	218.89	210.74	44.2	43.2	43.0	5.09	5.07	4.90
Battle Creek .....	208.62	201.24	176.99	42.9	42.1	40.4	4.86	4.78	4.38
Bay City <sup>1</sup> .....	190.67	189.74	163.50	42.1	41.4	38.8	4.53	4.58	4.21
Detroit .....	246.93	227.75	189.36	42.5	43.9	39.5	5.81	5.19	4.79
Flint .....	251.75	238.29	215.91	44.9	43.5	41.9	5.61	5.48	5.15
Grand Rapids .....	170.73	168.34	158.14	41.2	41.2	40.3	4.14	4.09	3.92
Jackson .....	189.91	197.75	181.44	40.7	42.3	40.7	4.67	4.68	4.46
Kalamazoo .....	197.44	196.78	173.89	43.1	43.2	41.1	4.58	4.56	4.23
Lansing-East Lansing .....	203.46	225.16	189.80	39.5	42.7	39.6	5.15	5.27	4.79
Muskegon-Muskegon Heights .....	182.67	179.26	164.47	41.8	41.4	40.6	4.37	4.33	4.05
Saginaw .....	227.84	224.60	182.82	42.2	42.1	35.3	5.40	5.34	5.18

See footnotes at end of table.



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

**C-17: 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		
	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971
MINNESOTA .....	\$162.00	\$161.60	\$150.89	40.5	40.3	39.5	\$4.00	\$4.01	\$3.82
Duluth-Superior .....	160.80	154.82	128.87	40.1	39.8	36.3	4.01	3.89	3.55
Minneapolis-St. Paul .....	175.89	174.64	160.36	41.0	40.9	39.4	4.29	4.27	4.07
MISSISSIPPI .....	113.16	113.99	103.06	41.0	41.3	40.1	2.76	2.76	2.57
Jackson .....	110.43	110.15	108.36	40.9	41.1	42.0	2.70	2.68	2.58
MISSOURI .....	149.92	153.09	142.16	40.3	40.5	39.6	3.72	3.78	3.59
Kansas City .....	145.16	145.96	139.35	40.1	40.1	39.7	3.62	3.64	3.51
St. Joseph .....	153.00	155.41	146.63	43.1	43.9	43.0	3.55	3.54	3.41
St. Louis .....	174.96	175.77	162.36	40.5	40.5	39.6	4.32	4.34	4.10
Springfield .....	131.78	132.11	120.78	40.3	40.4	39.6	3.27	3.27	3.05
MONTANA .....	166.04	166.87	159.59	40.4	40.7	39.7	4.11	4.10	4.02
NEBRASKA .....	144.71	148.48	139.98	41.4	42.2	41.7	3.49	3.52	3.36
Lincoln .....	135.43	136.40	121.52	39.9	40.0	37.9	3.39	3.41	3.21
Omaha .....	152.30	154.09	143.42	40.4	40.9	40.7	3.77	3.76	3.52
NEVADA .....	178.89	181.60	171.37	40.2	40.9	41.9	4.45	4.44	4.09
Las Vegas .....	(*)	220.24	208.96	(*)	43.1	43.9	(*)	5.11	4.76
NEW HAMPSHIRE .....	127.91	128.24	120.26	39.6	40.2	39.3	3.23	3.19	3.06
Manchester .....	114.30	116.49	107.07	38.1	38.7	37.7	3.00	3.01	2.84
NEW JERSEY .....	159.14	163.07	147.20	40.7	41.6	40.0	3.91	3.92	3.68
Atlantic City .....	136.21	132.89	118.04	40.3	39.2	38.7	3.38	3.39	3.05
Camden <sup>2</sup> .....	151.64	157.38	146.33	39.8	41.2	40.2	3.81	3.82	3.64
Jersey City <sup>3</sup> .....	159.59	162.31	147.26	40.3	41.3	39.8	3.96	3.93	3.70
Newark <sup>3</sup> .....	155.23	162.77	149.20	39.7	41.0	40.0	3.91	3.97	3.73
Paterson-Clifton-Passaic <sup>3</sup> .....	159.58	161.54	144.34	40.4	41.0	38.8	3.95	3.94	3.72
Perth Amboy <sup>3</sup> .....	173.42	174.72	157.21	40.9	41.5	39.9	4.24	4.21	3.94
Trenton .....	164.80	169.26	146.20	41.2	42.0	39.3	4.00	4.03	3.72
NEW MEXICO .....	122.72	119.54	104.99	40.5	40.8	38.6	3.03	2.93	2.72
Albuquerque .....	133.08	125.33	121.91	41.2	40.3	40.5	3.23	3.11	3.01
NEW YORK .....	(*)	158.01	145.11	(*)	39.7	38.8	(*)	3.98	3.74
Albany-Schenectady-Troy .....	175.91	176.36	160.00	41.1	41.4	39.9	4.28	4.26	4.01
Binghamton .....	154.46	154.01	146.69	41.3	41.4	40.3	3.74	3.72	3.64
Buffalo .....	188.33	192.15	166.40	41.3	41.5	40.0	4.56	4.63	4.16
Elmira .....	152.45	150.82	138.65	39.7	39.9	39.5	3.84	3.78	3.51
Monroe County <sup>4</sup> .....	189.83	191.17	174.03	41.0	41.2	40.1	4.63	4.64	4.34
Nassau and Suffolk Counties <sup>5</sup> .....	152.09	154.39	147.31	39.3	40.1	39.6	3.87	3.85	3.72
New York-Northeastern New Jersey .....	(*)	154.84	141.70	(*)	39.5	38.4	(*)	3.92	3.69
New York SMSA <sup>3</sup> .....	(*)	147.45	138.37	(*)	38.2	37.6	(*)	3.86	3.68
New York City <sup>5</sup> .....	(*)	145.52	136.52	(*)	37.7	37.2	(*)	3.86	3.67
Rochester .....	181.97	184.54	168.42	40.8	41.1	40.1	4.46	4.49	4.20
Rockland County <sup>5</sup> .....	152.87	152.82	144.65	39.4	39.9	39.2	3.88	3.83	3.69
Syracuse .....	169.33	170.57	154.35	40.9	41.4	40.3	4.14	4.12	3.83
Utica-Rome .....	143.64	145.80	133.72	39.9	40.5	39.1	3.60	3.60	3.42
Westchester County <sup>5</sup> .....	147.82	156.02	145.14	38.9	39.6	38.6	3.80	3.94	3.76
NORTH CAROLINA .....	111.38	112.75	104.00	40.5	41.0	40.0	2.75	2.75	2.60
Asheville .....	110.43	109.34	102.91	40.9	40.8	40.2	2.70	2.68	2.56
Charlotte .....	119.54	120.42	110.80	40.8	41.1	40.0	2.93	2.93	2.77
Greensboro-Winston-Salem-High Point .....	121.35	124.22	114.07	39.4	40.2	39.2	3.08	3.09	2.91
Raleigh .....	114.62	117.45	109.75	39.8	40.5	40.2	2.88	2.90	2.73
NORTH DAKOTA .....	135.14	134.97	135.79	40.1	40.9	41.4	3.37	3.30	3.28
Fargo-Moorhead .....	151.26	153.56	158.46	39.7	40.2	41.7	3.81	3.82	3.80

See footnotes at end of table.

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

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**C-17: 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		
	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971
<b>OHIO</b> .....	\$182.55	\$184.76	\$166.87	41.3	41.8	40.7	\$4.42	\$4.42	\$4.10
Akron.....	200.87	199.84	181.04	42.2	42.7	40.5	4.76	4.68	4.47
Canton.....	178.61	184.13	157.49	40.5	41.1	38.6	4.41	4.48	4.08
Cincinnati.....	173.47	174.28	161.02	41.9	42.3	41.5	4.14	4.12	3.88
Cleveland.....	186.34	191.65	169.33	41.5	42.4	40.9	4.49	4.52	4.14
Columbus.....	166.04	167.66	152.47	40.3	40.4	39.5	4.12	4.15	3.86
Dayton.....	198.29	200.18	184.46	42.1	42.5	40.9	4.71	4.71	4.51
Toledo.....	196.11	195.70	175.42	41.2	41.2	40.7	4.76	4.75	4.31
Youngstown--Warren.....	200.86	200.51	185.22	41.5	41.6	42.0	4.84	4.82	4.41
<b>OKLAHOMA</b> .....	142.33	141.79	132.03	40.9	41.1	40.5	3.48	3.45	3.26
Oklahoma City.....	141.40	143.91	130.98	40.4	41.0	40.3	3.50	3.51	3.25
Tulsa.....	151.06	150.18	142.61	40.5	40.7	40.4	3.73	3.69	3.53
<b>OREGON</b> .....	169.22	172.00	161.77	38.9	40.0	38.7	4.35	4.30	4.18
Eugene--Springfield.....	177.28	186.15	165.00	40.2	42.5	39.1	4.41	4.38	4.22
Portland.....	170.52	171.39	158.59	39.2	39.4	38.4	4.35	4.35	4.13
<b>PENNSYLVANIA</b> .....	(*)	153.62	141.81	(*)	39.9	39.5	(*)	3.85	3.59
Allentown--Bethlehem--Easton.....	159.60	154.84	141.12	39.8	39.5	39.2	4.01	3.92	3.60
Altoona.....	125.57	123.83	112.27	38.4	38.1	37.3	3.27	3.25	3.01
Delaware Valley <sup>6</sup> .....	161.59	163.21	151.30	39.8	40.1	39.4	4.06	4.07	3.84
Erie.....	159.10	163.38	151.62	40.9	42.0	41.2	3.89	3.89	3.68
Harrisburg.....	144.32	129.69	129.89	41.0	37.7	39.6	3.52	3.44	3.28
Johnstown.....	152.63	151.00	134.97	37.5	37.1	37.7	4.07	4.07	3.58
Lancaster.....	141.25	144.02	128.25	39.9	40.8	39.1	3.54	3.53	3.28
Philadelphia SMSA.....	160.39	162.81	150.48	39.8	40.3	39.6	4.03	4.04	3.80
Pittsburgh.....	182.29	179.82	162.00	40.6	40.5	40.4	4.49	4.44	4.01
Reading.....	136.32	136.81	128.15	39.4	39.2	38.6	3.46	3.49	3.32
Scranton.....	113.35	112.81	113.28	36.1	35.7	36.9	3.14	3.16	3.07
Wilkes-Barre--Hazleton.....	116.75	115.75	106.72	37.3	37.1	36.3	3.13	3.12	2.94
York.....	142.72	144.58	133.31	42.1	42.4	41.4	3.39	3.41	3.22
<b>RHODE ISLAND</b> .....	125.53	124.97	118.59	39.6	39.8	39.4	3.17	3.14	3.01
Providence--Warwick--Pawtucket.....	125.92	125.53	118.69	39.6	39.6	39.3	3.18	3.17	3.02
<b>SOUTH CAROLINA</b> .....	115.49	115.78	107.86	41.1	41.5	40.7	2.81	2.79	2.65
Charleston.....	(*)	128.96	129.56	(*)	41.2	41.0	(*)	3.13	3.16
Greenville.....	(*)	113.85	107.16	(*)	41.1	40.9	(*)	2.77	2.62
<b>SOUTH DAKOTA</b> .....	139.80	142.20	135.16	44.1	45.0	43.6	3.17	3.16	3.10
Sioux Falls.....	169.72	174.17	161.57	46.5	47.2	45.9	3.65	3.69	3.52
<b>TENNESSEE</b> .....	125.05	124.64	116.29	40.6	41.0	40.1	3.08	3.04	2.90
Chattanooga.....	142.72	140.28	127.03	42.1	42.0	40.2	3.39	3.34	3.16
Knoxville.....	139.04	137.81	132.80	39.5	39.6	40.0	3.52	3.48	3.32
Memphis.....	146.62	149.88	133.98	41.3	42.1	40.6	3.55	3.56	3.30
Nashville.....	126.29	125.58	125.96	39.1	39.0	40.5	3.23	3.22	3.11
<b>TEXAS</b> .....	144.55	145.31	136.42	41.3	41.4	40.6	3.50	3.51	3.36
Amarillo.....	121.75	121.30	122.31	39.4	39.9	40.1	3.09	3.04	3.05
Austin.....	127.93	123.77	115.82	42.5	42.1	39.8	3.01	2.94	2.91
Beaumont--Port Arthur--Orange.....	193.93	191.57	179.14	41.0	40.5	40.9	4.73	4.73	4.38
Corpus Christi.....	183.87	180.46	167.38	44.2	43.8	42.7	4.16	4.12	3.92
Dallas.....	132.84	134.48	125.91	40.5	41.0	40.1	3.28	3.28	3.14
El Paso.....	98.25	97.76	87.42	40.1	39.9	40.1	2.45	2.45	2.18
Fort Worth.....	143.56	153.55	141.29	40.9	41.5	40.6	3.51	3.70	3.48
Galveston--Texas City.....	225.16	226.89	212.65	43.3	43.3	42.7	5.20	5.24	4.98
Houston.....	176.36	178.43	165.13	42.6	43.1	41.7	4.14	4.14	3.96
Lubbock.....	124.24	124.36	117.00	43.9	44.1	42.7	2.83	2.82	2.74
San Antonio.....	114.93	114.68	106.08	42.1	41.7	40.8	2.73	2.75	2.60
Waco.....	120.56	125.33	117.56	39.4	40.3	40.4	3.06	3.11	2.91
Wichita Falls.....	106.37	105.81	105.20	38.4	38.2	40.0	2.77	2.77	2.63

See footnotes at end of table.

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

**C-17: 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		
	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971	July 1972 <sup>P</sup>	June 1972	July 1971
<b>UTAH</b> .....	\$148.97	\$148.55	\$139.68	39.1	39.3	38.8	\$3.81	\$3.78	\$3.60
Salt Lake City .....	138.26	138.16	130.20	38.3	38.7	39.1	3.61	3.57	3.33
<b>VERMONT</b> .....	136.03	137.19	127.30	41.6	41.7	40.8	3.27	3.29	3.12
Burlington .....	157.68	156.66	153.29	42.5	42.0	42.7	3.71	3.73	3.59
Springfield .....	148.88	154.14	134.52	40.9	42.0	39.8	3.64	3.67	3.38
<b>VIRGINIA</b> .....	126.58	126.07	116.29	40.7	40.8	40.1	3.11	3.09	2.90
Lynchburg .....	133.73	130.59	114.69	43.0	42.4	40.1	3.11	3.08	2.86
Norfolk-Virginia Beach-Portsmouth .....	139.07	139.59	130.59	42.4	42.3	42.4	3.28	3.30	3.08
Northern Virginia <sup>7</sup> .....	165.23	168.90	155.36	41.0	41.5	41.1	4.03	4.07	3.78
Richmond .....	147.97	142.80	137.43	41.8	40.8	41.9	3.54	3.50	3.28
Roanoke .....	118.10	119.19	107.29	39.9	41.1	39.3	2.96	2.90	2.73
<b>WASHINGTON</b> .....	182.74	183.87	168.05	39.9	40.5	38.9	4.58	4.54	4.32
Seattle-Everett .....	185.26	185.32	171.21	40.1	40.2	39.0	4.62	4.61	4.39
Spokane .....	174.99	180.40	166.30	38.8	40.0	39.5	4.51	4.51	4.21
Tacoma .....	184.47	181.37	165.89	39.5	39.6	38.4	4.67	4.58	4.32
<b>WEST VIRGINIA</b> .....	156.93	154.40	144.14	39.6	40.3	39.6	3.96	3.83	3.64
Charleston .....	184.34	187.41	172.63	41.8	42.4	41.8	4.41	4.42	4.13
Huntington-Ashland .....	163.11	165.39	151.69	38.2	39.1	39.4	4.27	4.23	3.85
Wheeling .....	162.38	161.48	147.68	40.8	41.3	39.7	3.98	3.91	3.72
<b>WISCONSIN</b> .....	168.47	171.59	155.59	41.2	41.6	40.3	4.09	4.13	3.86
Appleton-Oshkosh .....	169.31	173.21	154.92	42.6	43.4	41.3	3.97	3.99	3.75
Green Bay .....	167.19	175.45	155.14	41.8	43.4	41.7	4.00	4.04	3.72
Kenosha .....	196.91	214.11	176.89	40.5	43.5	39.7	4.86	4.93	4.46
La Crosse .....	137.14	141.00	131.73	40.4	40.4	41.5	3.40	3.49	3.18
Madison .....	183.75	187.20	181.69	41.2	41.0	41.4	4.46	4.57	4.39
Milwaukee .....	182.43	183.76	169.24	40.8	41.1	40.1	4.47	4.47	4.22
Racine .....	174.59	177.82	156.20	40.5	41.3	39.9	4.31	4.31	3.91
<b>WYOMING</b> .....	153.27	157.82	149.63	39.0	41.1	39.9	3.93	3.84	3.75
Casper .....	195.46	200.26	165.90	42.4	44.7	39.5	4.61	4.48	4.20
Cheyenne .....	168.08	168.75	168.13	41.4	42.4	39.1	4.06	3.98	4.30

<sup>1</sup> Revised series; not strictly comparable with previously published data.

<sup>2</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>3</sup> Area included in the New York-Northeastern New Jersey Standard Consolidated Area.

<sup>4</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>5</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>7</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, and Falls Church cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

\* Not available.

<sup>P</sup> preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA**  
**LABOR TURNOVER**

102

**D-1: Labor turnover rates in manufacturing**

1960 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>a</sup>	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1960	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962	4.1	3.6	3.8	4.0	4.3	5.0	4.6	5.1	4.9	3.9	3.0	2.4	4.1
1963	3.6	3.3	3.5	3.9	3.9	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964	3.6	3.4	3.7	3.8	3.9	5.1	4.4	5.1	4.8	4.0	3.2	2.6	4.0
1965	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1	4.3
1966	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9	5.0
1967	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8	4.4
1968	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1	4.6
1969	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	4.9	3.6	2.9	4.7
1970	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4	4.0
1971	3.5	3.1	3.5	3.7	3.9	4.9	4.0	5.3	4.8	3.8	3.3	2.5	3.9
1972	4.1	3.7	4.0	4.0	4.8	5.2	4.6 p						
New hires													
1960	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.2	2.6	1.8	1.4	2.4
1964	2.0	2.0	2.2	2.4	2.5	3.6	2.9	3.4	3.5	2.8	2.2	1.6	2.6
1965	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2	3.1
1966	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1	3.8
1967	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0	3.3
1968	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2	3.5
1969	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1	3.7
1970	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4	2.8
1971	2.0	1.9	2.2	2.3	2.6	3.5	2.7	3.4	3.3	2.7	2.2	1.6	2.5
1972	2.5	2.4	2.7	2.8	3.6	4.1	3.3 p						
Total separations													
1960	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.8	4.9	4.1	3.9	3.7	3.9
1964	4.0	3.3	3.5	3.5	3.6	3.5	4.4	4.3	5.1	4.2	3.6	3.7	3.9
1965	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1	4.1
1966	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2	4.6
1967	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9	4.6
1968	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8	4.6
1969	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2	4.9
1970	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1	4.8
1971	4.2	3.5	3.7	4.0	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8	4.2
1972	4.0	3.5	3.8	3.7	3.8	4.2	5.0 p						
Quits													
1960	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964	1.2	1.1	1.2	1.3	1.5	1.4	1.5	2.1	2.7	1.7	1.2	1.0	1.5
1965	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4	1.9
1966	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7	2.6
1967	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5	2.3
1968	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6	2.5
1969	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6	2.7
1970	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2	2.1
1971	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	1.9	1.5	1.2	1.8
1972	1.7	1.6	1.9	2.0	2.2	2.2	2.2 p						
Layoffs													
1960	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964	2.0	1.6	1.6	1.4	1.4	1.3	2.1	1.4	1.5	1.8	1.7	2.1	1.7
1965	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9	1.4
1966	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7	1.2
1967	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6	1.4
1968	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4	1.2
1969	1.2	1.0	1.0	.9	.9	.9	1.6	1.1	1.1	1.3	1.3	1.8	1.2
1970	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2	1.8
1971	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8	1.6
1972	1.4	1.1	1.1	1.0	.8	1.1	2.0 p						

p=preliminary.

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

		(Per 100 employees)									
SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1972 <sup>p</sup>	June 1972	July 1972 <sup>p</sup>	June 1972	July 1972 <sup>p</sup>	June 1972	July 1972 <sup>p</sup>	June 1972	July 1972 <sup>p</sup>	June 1972
	<b>MANUFACTURING</b>	4.6	5.2	3.3	4.1	5.0	4.2	2.2	2.2	2.0	1.1
19,24,25,32-39	<b>DURABLE GOODS</b>	4.1	4.7	2.9	3.7	5.0	3.8	1.8	1.8	2.2	1.0
20-23,26-31	<b>NONDURABLE GOODS</b>	5.3	5.9	3.8	4.6	5.1	4.6	2.6	2.6	1.7	1.1
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b>	-	2.9	-	2.0	-	2.0	-	.9	-	.5
192	Ammunition, except for small arms	-	3.1	-	2.0	-	1.9	-	.8	-	.5
24	<b>LUMBER AND WOOD PRODUCTS</b>	6.0	8.4	5.3	7.3	5.6	5.3	4.0	3.9	.6	.5
242	Sawmills and planing mills	-	7.7	-	6.8	-	5.1	-	3.9	-	.3
2421	Sawmills and planing mills, general	-	7.6	-	6.7	-	4.7	-	3.6	-	.3
243	Millwork, plywood & related products	-	8.1	-	7.2	-	5.0	-	3.6	-	.4
2431	Millwork	-	7.5	-	6.4	-	5.3	-	3.9	-	.5
2432	Veneer and plywood	-	7.0	-	6.2	-	4.5	-	3.4	-	.1
244	Wooden containers	-	9.7	-	8.8	-	8.9	-	6.4	-	1.4
2441,2	Wooden boxes, shooks, and crates	-	10.1	-	9.2	-	8.0	-	6.5	-	.8
249	Miscellaneous wood products	-	7.3	-	6.2	-	5.7	-	3.8	-	.6
25	<b>FURNITURE AND FIXTURES</b>	6.7	6.4	6.0	5.8	6.2	5.3	4.1	3.5	1.1	.6
251	Household furniture	-	6.2	-	5.6	-	5.4	-	3.7	-	.4
2511	Wood household furniture	-	6.5	-	6.0	-	5.6	-	4.0	-	.3
2512	Upholstered household furniture	-	4.9	-	4.6	-	4.2	-	3.1	-	.2
2515	Mattresses and bedsprings	-	6.6	-	5.9	-	4.8	-	3.4	-	.3
252	Office furniture	-	6.3	-	5.7	-	3.8	-	2.7	-	.2
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	4.5	6.1	3.6	4.9	4.2	4.0	2.2	2.3	.9	.7
321	Flat glass	-	2.7	-	1.0	-	2.5	-	.4	-	.7
322	Glass and glassware, pressed or blown	-	5.6	-	4.1	-	2.9	-	1.5	-	.4
3221	Glass containers	-	6.0	-	4.5	-	2.7	-	1.6	-	.3
3229	Pressed and blown glass, n e c	-	5.1	-	3.6	-	3.1	-	1.5	-	.5
324	Cement, hydraulic	-	3.5	-	3.1	-	1.1	-	.5	-	.1
325	Structural clay products	-	7.3	-	6.6	-	5.4	-	3.8	-	.5
3251	Brick and structural clay tile	-	8.8	-	8.2	-	6.5	-	5.2	-	.1
326	Pottery and related products	-	5.6	-	4.8	-	4.6	-	2.8	-	.5
3291	Abrasive products	-	4.9	-	4.3	-	2.0	-	1.0	-	.2
33	<b>PRIMARY METAL INDUSTRIES</b>	2.7	3.7	1.6	2.6	2.9	2.8	1.1	1.1	1.0	.7
331	Blast furnace and basic steel products	-	3.4	-	2.0	-	2.2	-	.6	-	.7
3312	Blast furnaces and steel mills	-	3.3	-	1.8	-	2.0	-	.5	-	.6
332	Iron and steel foundries	-	5.0	-	3.9	-	3.8	-	2.0	-	.5
3321	Gray iron foundries	-	4.7	-	4.0	-	3.5	-	2.0	-	.4
3322	Malleable iron foundries	-	5.6	-	5.1	-	5.4	-	2.8	-	.4
3323	Steel foundries	-	5.2	-	3.2	-	3.8	-	1.7	-	.8
333,4	Nonferrous metals	-	3.3	-	2.3	-	2.3	-	1.3	-	.2
335	Nonferrous rolling and drawing	-	2.8	-	2.1	-	3.5	-	1.1	-	1.5
3351	Copper rolling and drawing	-	3.2	-	2.8	-	1.9	-	.9	-	.1
3352	Aluminum rolling and drawing	-	3.0	-	1.9	-	2.3	-	1.1	-	.3
3357	Nonferrous wire drawing, and insulating	-	2.5	-	1.9	-	5.6	-	1.1	-	3.6
336	Nonferrous foundries	-	5.5	-	4.6	-	3.9	-	2.3	-	.4
3361	Aluminum castings	-	5.9	-	5.2	-	4.3	-	2.8	-	.3
3362,9	Other nonferrous castings	-	5.0	-	3.9	-	3.4	-	1.8	-	.6
339	Miscellaneous primary metal products	-	3.6	-	2.8	-	2.5	-	1.3	-	.4
3391	Iron and steel forgings	-	3.0	-	2.3	-	2.2	-	1.0	-	.4

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1972 <sub>P</sub>	June 1972	July 1972 <sub>P</sub>	June 1972	July 1972 <sub>P</sub>	June 1972	July 1972 <sub>P</sub>	June 1972	July 1972 <sub>P</sub>	June 1972
	<i>Durable Goods--Continued</i>										
34	FABRICATED METAL PRODUCTS	-	5.3	-	4.2	-	4.3	-	2.1	-	1.3
341	Metal cans	-	7.9	-	3.0	-	4.5	-	1.0	-	2.1
342	Cutlery, hand tools, and hardware	-	4.4	-	3.8	-	3.4	-	1.9	-	.7
3421,3,5	Cutlery and hand tools, incl. saws	-	5.0	-	4.2	-	3.3	-	2.1	-	.3
3429	Hardware, n e c	-	4.0	-	3.6	-	3.5	-	1.8	-	.9
343	Plumbing and heating, except electric	-	4.4	-	3.8	-	3.8	-	1.9	-	.9
3431,2	Sanitary ware & plumbers' brass goods	-	4.6	-	4.4	-	4.6	-	2.2	-	1.2
3433	Heating equipment, except electric	-	4.2	-	3.3	-	3.2	-	1.7	-	.7
344	Fabricated structural metal products	-	5.7	-	4.7	-	4.2	-	2.3	-	1.0
3441	Fabricated structural steel	-	5.5	-	4.3	-	4.6	-	2.2	-	1.5
3443	Fabricated plate work (boiler shops)	-	4.0	-	3.1	-	3.2	-	1.5	-	.8
3446,9	Architectural and misc. metal work	-	6.8	-	5.6	-	3.8	-	2.5	-	.5
345	Screw machine products, bolts, etc.	-	4.4	-	4.0	-	3.5	-	2.1	-	.4
3452	Bolts, nuts, rivets, and washers	-	3.4	-	3.1	-	2.8	-	1.5	-	.4
346	Metal stampings	-	4.6	-	3.3	-	5.7	-	1.4	-	3.3
348	Misc. fabricated wire products	-	6.1	-	5.6	-	4.3	-	3.1	-	.3
349	Misc. fabricated metal products	-	4.6	-	3.8	-	3.5	-	2.0	-	.6
3494,8	Valves, pipe, and pipe fittings	-	4.0	-	3.3	-	3.2	-	1.8	-	.6
35	MACHINERY, EXCEPT ELECTRICAL	2.9	3.7	2.3	2.9	2.7	2.9	1.3	1.4	.6	.7
351	Engines and turbines	-	2.8	-	1.4	-	2.0	-	.7	-	.2
3511	Steam engines and turbines	-	2.1	-	1.1	-	1.8	-	.6	-	.3
3519	Internal combustion engines, n e c	-	3.2	-	1.6	-	2.2	-	.8	-	.2
352	Farm machinery	-	4.5	-	3.9	-	3.9	-	1.9	-	1.0
353	Construction and related machinery	-	3.5	-	2.9	-	2.4	-	1.3	-	.3
3531,2	Construction and mining machinery	-	3.0	-	2.4	-	1.9	-	.9	-	.3
3533	Oil field machinery	-	4.6	-	4.1	-	3.3	-	2.2	-	.1
3535,6	Conveyors, hoists, cranes, monorails	-	3.6	-	2.8	-	2.3	-	1.5	-	.2
354	Metal working machinery	-	3.6	-	2.6	-	3.7	-	1.2	-	1.7
3541	Machine tools, metal cutting types	-	3.4	-	1.9	-	2.3	-	.9	-	.8
3545	Machine tool accessories	-	3.4	-	2.0	-	1.8	-	1.1	-	.2
3542,8	Misc. metal working machinery	-	4.1	-	3.4	-	2.6	-	1.3	-	.6
355	Special industry machinery	-	3.5	-	2.9	-	2.2	-	1.2	-	.3
3551	Food products machinery	-	3.3	-	2.7	-	2.2	-	1.2	-	.3
3552	Textile machinery	-	4.2	-	3.5	-	2.9	-	1.9	-	.4
356	General industrial machinery	-	3.8	-	2.9	-	2.5	-	1.3	-	.4
3561	Pumps and compressors	-	3.6	-	2.9	-	2.2	-	1.2	-	.3
3562	Ball and roller bearings	-	4.1	-	2.5	-	2.5	-	.9	-	.5
3566	Power transmission equipment	-	3.9	-	3.4	-	2.2	-	1.3	-	.2
357	Office and computing machines	-	2.7	-	2.1	-	2.6	-	1.1	-	.6
3573	Electronic computing equipment	-	2.6	-	2.1	-	2.2	-	1.1	-	.3
358	Service industry machines	-	4.4	-	3.5	-	3.8	-	1.7	-	1.1
3585	Refrigeration machinery	-	4.5	-	3.3	-	3.8	-	1.6	-	1.1
36	ELECTRICAL EQUIPMENT AND SUPPLIES	-	4.2	-	3.2	-	3.2	-	1.6	-	.6
361	Electric test & distributing equipment	-	3.5	-	2.7	-	2.4	-	1.3	-	.3
3611	Electric measuring instruments	-	4.4	-	3.6	-	2.6	-	1.6	-	.1
3612	Transformers	-	3.2	-	2.1	-	2.6	-	1.3	-	.4
3613	Switchgear and switchboard apparatus	-	3.0	-	2.4	-	2.2	-	1.2	-	.3
362	Electrical industrial apparatus	-	4.4	-	3.4	-	2.5	-	1.4	-	.3
3621	Motors and generators	-	3.5	-	2.6	-	2.6	-	1.4	-	.4
3622	Industrial controls	-	5.8	-	4.9	-	2.6	-	1.4	-	.4
363	Household appliances	-	4.6	-	3.4	-	4.1	-	1.7	-	1.2
3632	Household refrigerators and freezers	-	5.2	-	3.0	-	5.9	-	1.3	-	3.0
3633	Household laundry equipment	-	3.3	-	2.8	-	1.8	-	.9	-	.3
3634	Electric housewares and fans	-	5.0	-	4.0	-	3.9	-	2.4	-	.5
364	Electric lighting and wiring equipment	-	4.8	-	4.0	-	4.0	-	1.9	-	.9
3641	Electric lamps	-	3.1	-	2.1	-	2.5	-	1.1	-	.4
3642	Lighting fixtures	-	5.3	-	4.4	-	5.3	-	2.0	-	1.8
3643,4	Wiring devices	-	5.2	-	4.4	-	3.6	-	2.2	-	.4
365	Radio and TV receiving equipment	-	6.8	-	4.6	-	5.4	-	2.5	-	1.1
366	Communication equipment	-	2.5	-	1.7	-	2.0	-	1.0	-	.5
3661	Telephone and telegraph apparatus	-	1.8	-	1.1	-	1.7	-	.9	-	.3
3662	Radio and TV communication equipment	-	2.9	-	1.9	-	2.1	-	1.0	-	.5
367	Electronic components and accessories	-	5.1	-	4.0	-	3.7	-	2.2	-	.5
3671-3	Electron tubes	-	4.3	-	2.8	-	3.5	-	1.6	-	.5
3674,9	Other electronic components	-	5.2	-	4.2	-	3.7	-	2.3	-	.5
369	Misc. electrical equipment & supplies	-	3.7	-	2.9	-	3.2	-	1.5	-	.9
3694	Engine electrical equipment	-	2.9	-	2.3	-	3.0	-	1.4	-	.9

See footnotes at end of table.

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

		(Per 100 employees)									
SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1972 <sup>P</sup>	June 1972	July 1972 <sup>P</sup>	June 1972	July 1972 <sup>P</sup>	June 1972	July 1972 <sup>P</sup>	June 1972	July 1972 <sup>P</sup>	June 1972
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT .....	-	4.1	-	2.7	-	4.9	-	1.4	-	2.4
371	Motor vehicles and equipment .....	-	3.3	-	2.3	-	5.3	-	.9	-	3.3
3711	Motor vehicles .....	-	2.8	-	2.1	-	6.4	-	.8	-	4.7
3712	Passenger car bodies .....	-	1.7	-	.5	-	4.9	-	.2	-	3.8
3713	Truck and bus bodies .....	-	5.2	-	4.6	-	9.5	-	2.2	-	6.3
3714	Motor vehicle parts and accessories .....	-	3.7	-	2.4	-	3.8	-	.8	-	1.6
372	Aircraft and parts .....	-	2.4	-	1.3	-	1.9	-	.8	-	.7
3721	Aircraft .....	-	2.2	-	1.3	-	1.8	-	.7	-	.7
3722	Aircraft engines and engine parts .....	-	2.1	-	.9	-	1.6	-	.5	-	.4
3723,9	Other aircraft parts and equipment .....	-	3.2	-	2.1	-	2.9	-	1.3	-	.9
373	Ship and boat building and repairing .....	-	8.9	-	5.3	-	8.6	-	3.1	-	3.8
3731	Ship building and repairing .....	-	9.0	-	4.5	-	8.8	-	2.4	-	4.7
374	Railroad equipment .....	-	5.9	-	1.2	-	5.6	-	.8	-	3.8
375,9	Other transportation equipment .....	-	7.8	-	7.2	-	7.5	-	4.7	-	1.0
38	INSTRUMENTS AND RELATED PRODUCTS .....	3.1	4.2	2.5	3.5	2.9	2.8	1.4	1.6	.6	.4
381	Engineering & scientific instruments .....	-	3.0	-	2.0	-	2.9	-	1.1	-	1.1
382	Mechanical measuring & control devices .....	-	4.0	-	3.3	-	3.0	-	1.5	-	.3
3821	Mechanical measuring devices .....	-	3.5	-	2.9	-	2.7	-	1.4	-	.4
3822	Automatic temperature controls .....	-	4.9	-	4.0	-	3.4	-	1.7	-	.3
383,5	Optical and ophthalmic goods .....	-	4.9	-	4.1	-	3.6	-	2.2	-	.5
384	Medical instruments and supplies .....	-	4.6	-	4.2	-	3.4	-	2.2	-	.5
386	Photographic equipment and supplies .....	-	3.8	-	3.6	-	1.2	-	.8	-	.1
387	Watches, clocks, and watchcases .....	-	5.8	-	4.4	-	4.2	-	2.5	-	.4
39	MISCELLANEOUS MANUFACTURING INDUSTRIES .....	6.8	7.0	5.0	5.9	6.2	5.4	2.7	3.1	2.3	1.1
391	Jewelry, silverware, and plated ware .....	-	4.5	-	4.0	-	3.8	-	2.5	-	.4
394	Toys and sporting goods .....	-	10.6	-	8.9	-	8.4	-	4.7	-	2.1
3941-3	Games, toys, dolls, & play vehicles .....	-	13.7	-	11.2	-	8.3	-	5.1	-	1.4
3949	Sporting and athletic goods, n e c .....	-	6.9	-	6.1	-	8.4	-	4.1	-	3.0
395	Pens, pencils, office and art supplies .....	-	5.2	-	4.8	-	3.4	-	2.1	-	.5
396	Costume jewelry and notions .....	-	5.8	-	4.8	-	4.3	-	2.9	-	.8
393,9	Other manufacturing industries .....	-	5.8	-	4.9	-	4.4	-	2.5	-	.9
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS .....	8.1	8.6	5.5	6.1	6.3	5.4	3.1	2.8	2.5	1.8
201	Meat products .....	-	9.6	-	6.2	-	7.2	-	4.1	-	2.3
2011	Meat packing plants .....	-	7.5	-	3.1	-	6.8	-	1.8	-	4.1
2015	Poultry dressing plants .....	-	15.9	-	12.5	-	10.1	-	9.2	-	.1
204	Grain mill products .....	-	4.7	-	3.6	-	3.2	-	1.8	-	.6
2041	Flour and other grain mill products .....	-	4.5	-	3.4	-	3.0	-	1.3	-	.9
2042	Prepared feeds for animals and fowls .....	-	5.4	-	4.2	-	3.9	-	2.5	-	.5
205	Bakery products .....	-	4.9	-	4.1	-	4.4	-	2.3	-	1.0
2051	Bread, cake, and related products .....	-	4.6	-	4.2	-	4.5	-	2.3	-	1.1
2052	Cookies and crackers .....	-	6.2	-	4.0	-	3.7	-	2.1	-	.7
207	Confectionery and related products .....	-	7.4	-	4.1	-	5.3	-	2.3	-	2.3
2071	Confectionery products .....	-	8.0	-	3.7	-	6.3	-	2.6	-	3.0
208	Beverages .....	-	7.4	-	5.5	-	4.9	-	2.8	-	1.2
2082	Malt liquors .....	-	5.3	-	2.7	-	3.1	-	.5	-	1.8
21	TOBACCO MANUFACTURES .....	5.7	3.7	2.4	2.3	3.0	2.6	1.2	1.4	1.1	.6
211	Cigarettes .....	-	2.7	-	1.7	-	1.3	-	.5	-	( <sup>1</sup> )
212	Cigars .....	-	4.3	-	3.3	-	4.4	-	3.6	-	.4

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**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		Layoffs	
		July 1972 P	June 1972	July 1972 P	June 1972	July 1972 P	June 1972	July 1972 P	June 1972	July 1972 P	June 1972
<i>Nondurable Goods--Continued</i>											
22	<b>TEXTILE MILL PRODUCTS</b>	5.5	6.5	4.4	5.5	5.8	5.7	3.9	4.1	.8	.5
221	Weaving mills, cotton	-	6.7	-	5.5	-	5.9	-	4.5	-	.1
222	Weaving mills, synthetics	-	6.1	-	5.0	-	5.4	-	4.0	-	.3
223	Weaving and finishing mills, wool	-	6.5	-	5.6	-	5.4	-	3.5	-	.8
224	Narrow fabric mills	-	5.7	-	5.0	-	5.8	-	3.7	-	1.3
225	Knitting mills	-	6.7	-	5.5	-	5.5	-	3.8	-	.8
2251	Women's hosiery, except socks	-	4.6	-	3.9	-	3.9	-	3.1	-	.3
2252	Hosiery, n e c	-	7.9	-	7.3	-	5.8	-	5.1	-	.1
2254	Knit underwear mills	-	6.5	-	4.9	-	5.0	-	3.8	-	.8
226	Textile finishing, except wool	-	5.7	-	4.8	-	4.5	-	3.3	-	.2
227	Floor covering mills	-	5.4	-	4.9	-	5.0	-	3.7	-	.3
228	Yarn and thread mills	-	8.2	-	7.1	-	7.6	-	5.9	-	.5
229	Miscellaneous textile goods	-	5.3	-	4.4	-	5.3	-	2.7	-	1.6
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	6.7	6.4	4.5	4.6	8.2	6.1	3.8	3.3	3.3	1.9
231	Men's and boys' suits and coats	-	3.1	-	2.2	-	2.6	-	1.4	-	.7
232	Men's and boys' furnishings	-	6.8	-	5.7	-	6.1	-	4.4	-	.8
2321	Men's and boys' shirts and nightwear	-	6.6	-	5.5	-	5.6	-	4.3	-	.4
2327	Men's and boys' separate trousers	-	5.2	-	4.4	-	5.0	-	4.1	-	.3
2328	Men's and boys' work clothing	-	7.2	-	6.3	-	6.7	-	5.2	-	.5
234	Women's and children's undergarments	-	6.2	-	5.1	-	5.3	-	3.7	-	.8
2341	Women's and children's underwear	-	6.6	-	5.7	-	5.6	-	4.0	-	.7
2342	Corsets and allied garments	-	5.1	-	3.7	-	4.5	-	2.8	-	.9
26	<b>PAPER AND ALLIED PRODUCTS</b>	3.1	4.6	2.5	3.8	3.0	2.9	1.6	1.6	.8	.5
261,2,6	Paper and pulp mills	-	3.6	-	2.8	-	1.7	-	.7	-	.4
263	Paperboard mills	-	4.0	-	3.4	-	2.2	-	1.1	-	.1
264	Misc. converted paper products	-	5.1	-	4.3	-	3.3	-	2.0	-	.3
2643	Bags, except textile bags	-	5.1	-	4.1	-	3.9	-	2.3	-	.5
265	Paperboard containers and boxes	-	5.4	-	4.4	-	4.1	-	2.4	-	.8
2651,2	Folding and setup paperboard boxes	-	6.2	-	5.0	-	5.3	-	3.0	-	1.4
2653	Corrugated and solid fiber boxes	-	4.8	-	4.2	-	3.3	-	2.0	-	.5
	<b>PRINTING AND PUBLISHING</b>	3.2	3.9	2.6	3.2	2.9	3.4	1.8	1.9	.7	.
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	2.0	3.1	1.6	2.5	2.1	2.4	.9	1.0	.6	.8
281	Industrial chemicals	-	2.3	-	1.7	-	1.4	-	.6	-	.2
282	Plastics materials and synthetics	-	2.8	-	2.3	-	2.9	-	.8	-	1.3
2821	Plastics materials and resins	-	3.0	-	2.5	-	1.9	-	.8	-	.4
2823,4	Synthetic fibers	-	2.7	-	2.2	-	3.7	-	.8	-	2.2
283	Drugs	-	3.0	-	2.5	-	1.6	-	.9	-	.2
2834	Pharmaceutical preparations	-	3.3	-	2.7	-	1.7	-	1.0	-	.2
284	Soap, cleaners, and toilet goods	-	4.7	-	3.6	-	2.9	-	1.5	-	.7
2841	Soap and other detergents	-	4.3	-	2.5	-	1.8	-	.7	-	.3
2844	Toilet preparations	-	5.7	-	4.6	-	3.6	-	1.8	-	.9
285	Paints and allied products	-	4.2	-	3.6	-	2.0	-	1.1	-	.1
286,9	Other chemical products	-	3.4	-	2.7	-	2.7	-	1.3	-	.7
29	<b>PETROLEUM AND COAL PRODUCTS</b>	1.6	3.3	1.4	2.8	2.0	2.0	.7	.7	.7	.7
291	Petroleum refining	-	2.8	-	2.4	-	1.7	-	.4	-	.8
295,9	Other petroleum and coal products	-	5.2	-	4.5	-	3.2	-	2.0	-	.4
30	<b>RUBBER AND PLASTICS PRODUCTS, N E C</b>	5.1	6.1	4.0	5.1	4.9	4.6	2.8	2.8	1.0	.6
301	Tires and inner tubes	-	3.0	-	2.0	-	2.0	-	.8	-	.3
302,3,6	Other rubber products	-	5.3	-	4.6	-	4.0	-	2.6	-	.4
307	Miscellaneous plastics products	-	7.9	-	6.7	-	6.0	-	3.8	-	.9

See footnotes at end of table.



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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1972 <sup>p</sup>	June 1972	July 1972 <sup>p</sup>	June 1972	July 1972 <sup>p</sup>	June 1972	July 1972 <sup>p</sup>	June 1972	July 1972 <sup>p</sup>	June 1972
	<i>Nondurable Goods--Continued</i>										
31	LEATHER AND LEATHER PRODUCTS .....	8.2	7.4	5.5	6.0	8.7	6.6	4.4	4.2	3.1	1.4
311	Leather tanning and finishing .....	-	5.7	-	4.5	-	4.9	-	2.7	-	1.3
314	Footwear, except rubber .....	-	7.0	-	5.7	-	6.6	-	4.3	-	1.3
	<b>NONMANUFACTURING</b>										
10	METAL MINING .....	2.9	4.9	2.3	4.0	3.8	2.9	1.5	1.9	1.5	.2
101	Iron ores .....	-	3.9	-	2.3	-	1.5	-	.6	-	( <sup>1</sup> )
102	Copper ores .....	-	4.7	-	3.9	-	2.2	-	1.6	-	.1
11,12	COAL MINING .....	1.6	1.7	1.3	1.3	2.2	1.6	.9	.6	.8	.4
12	Bituminous coal and lignite mining .....	-	1.6	-	1.4	-	1.5	-	.6	-	.4
	<b>COMMUNICATION:</b>										
481	Telephone communication .....	-	2.5	-	-	-	1.3	-	.9	-	.1
482	Telegraph communication <sup>2</sup> .....	-	2.5	-	-	-	2.7	-	1.6	-	.4

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

<sup>2</sup> Data relate to all employees except messengers.

p=preliminary.

**ESTABLISHMENT DATA** 108  
**SEASONALLY ADJUSTED LABOR TURNOVER**

**D-3: Labor turnover rates in manufacturing, 1960 to date**  
**seasonally adjusted**  
(Per 100 employees)

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total accessions</b>												
1960	4.2	4.1	3.7	3.6	3.8	3.7	3.6	3.9	3.8	3.5	3.6	3.6
1961	3.9	3.7	4.4	4.2	4.2	4.0	4.0	4.1	3.8	4.3	4.3	4.1
1962	4.3	4.2	4.1	4.2	4.2	4.0	4.2	4.0	4.0	3.9	3.8	3.8
1963	3.8	3.9	3.8	4.1	3.8	3.8	3.9	3.8	3.9	3.9	3.6	4.0
1964	3.8	4.0	4.0	4.0	3.8	4.0	4.0	4.0	3.9	3.9	4.0	4.1
1965	4.0	4.1	4.4	4.1	4.1	4.3	4.1	4.3	4.5	4.4	4.8	4.9
1966	4.9	5.0	5.4	5.0	5.1	5.1	4.7	5.1	5.0	4.9	4.8	4.5
1967	4.6	4.3	4.3	4.2	4.6	4.4	4.3	4.4	4.3	4.5	4.6	4.4
1968	4.5	4.6	4.4	4.7	4.6	4.4	4.6	4.6	4.6	4.8	4.8	4.9
1969	4.9	4.7	4.9	4.9	4.7	4.9	4.7	4.5	4.8	4.6	4.4	4.5
1970	4.3	4.4	4.2	4.0	4.1	4.0	4.1	4.1	3.8	3.6	3.7	3.8
1971	3.8	3.7	3.9	4.0	3.8	3.7	3.7	4.2	3.9	3.6	4.1	3.9
1972	4.4	4.5	4.5	4.4	4.7	3.9	4.3 p					
<b>New hires</b>												
1960	2.6	2.8	2.4	2.2	2.3	2.2	2.1	2.2	2.1	1.9	1.9	1.8
1961	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.5	2.5	2.5
1962	2.6	2.6	2.6	2.6	2.7	2.5	2.6	2.4	2.4	2.3	2.3	2.1
1963	2.3	2.3	2.4	2.5	2.4	2.4	2.4	2.4	2.5	2.4	2.2	2.5
1964	2.4	2.5	2.6	2.6	2.4	2.6	2.6	2.6	2.7	2.6	2.7	2.8
1965	2.8	3.0	3.3	2.8	2.9	3.1	3.0	3.1	3.1	3.2	3.5	3.7
1966	3.7	3.9	4.3	3.9	4.0	3.9	3.7	3.8	3.7	3.8	3.8	3.5
1967	3.5	3.4	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.4
1968	3.4	3.3	3.4	3.5	3.5	3.3	3.5	3.5	3.6	3.6	3.6	3.7
1969	3.8	3.7	3.9	3.8	3.7	3.8	3.7	3.5	3.7	3.6	3.5	3.5
1970	3.3	3.1	3.0	2.9	2.7	2.7	2.8	2.9	2.6	2.4	2.4	2.3
1971	2.3	2.4	2.5	2.5	2.5	2.4	2.5	2.8	2.5	2.4	2.7	2.7
1972	2.9	3.0	3.1	3.1	3.5	2.9	3.1 p					
<b>Total separations</b>												
1960	3.5	4.1	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.3	4.5	5.0
1961	4.6	4.6	4.2	3.6	3.8	4.0	4.0	3.7	4.1	3.9	4.0	4.1
1962	3.9	4.0	4.0	3.9	4.2	4.2	4.2	4.4	3.9	4.1	4.1	3.9
1963	4.0	3.8	3.9	3.9	3.9	3.8	3.9	4.1	3.8	3.8	4.0	3.9
1964	4.0	4.0	3.9	3.8	3.9	3.9	4.1	3.6	3.9	4.0	3.8	3.9
1965	3.8	3.7	3.8	4.0	3.9	4.0	4.0	4.2	4.2	4.2	4.2	4.4
1966	4.1	4.3	4.6	4.7	4.6	4.8	4.9	4.7	4.9	4.5	4.7	4.6
1967	4.6	4.8	5.1	4.7	4.5	4.7	4.4	4.3	4.6	4.4	4.4	4.4
1968	4.6	4.6	4.6	4.4	4.6	4.5	4.6	4.9	4.6	4.6	4.6	4.3
1969	4.7	4.7	4.9	4.9	4.9	5.0	4.9	5.1	4.9	5.0	4.8	4.8
1970	5.0	5.1	4.9	5.2	4.9	4.8	4.9	4.6	4.4	4.9	4.8	4.7
1971	4.4	4.1	4.1	4.3	4.0	4.1	4.4	4.5	3.9	4.0	4.1	4.4
1972	4.2	4.1	4.2	4.0	4.1	4.6	4.6 p					
<b>Quits</b>												
1960	1.5	1.6	1.5	1.5	1.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962	1.3	1.5	1.4	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.3
1963	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
1964	1.4	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.5	1.6
1965	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	2.0	2.0	2.1	2.2
1966	2.3	2.3	2.6	2.7	2.6	2.6	2.5	2.6	2.6	2.6	2.6	2.7
1967	2.5	2.4	2.4	2.3	2.3	2.4	2.1	2.3	2.3	2.3	2.4	2.4
1968	2.4	2.4	2.4	2.3	2.5	2.4	2.5	2.7	2.5	2.6	2.6	2.5
1969	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.8	2.6	2.7	2.6	2.5
1970	2.5	2.4	2.3	2.2	2.2	2.2	2.1	2.1	2.0	1.9	1.7	1.9
1971	1.8	1.7	1.7	1.7	1.8	1.9	1.8	1.9	1.7	1.7	1.9	1.9
1972	2.0	2.1	2.2	2.1	2.3	2.3	2.2 p					
<b>Layoffs</b>												
1960	1.5	1.9	2.3	2.4	2.3	2.5	2.4	2.6	2.5	2.6	2.7	2.8
1961	2.7	3.0	2.5	2.1	2.2	2.3	2.2	2.0	2.2	1.8	1.9	2.0
1962	1.8	2.0	1.8	1.8	2.0	2.0	2.0	2.4	2.0	2.1	2.0	1.9
1963	1.9	1.8	1.9	1.8	1.8	1.7	1.7	2.0	1.9	1.8	1.8	1.7
1964	1.8	1.8	1.8	1.6	1.7	1.6	1.7	1.5	1.6	1.7	1.5	1.6
1965	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.3	1.4	1.4
1966	1.2	1.1	1.1	1.2	1.1	1.3	1.5	1.2	1.1	1.1	1.2	1.3
1967	1.3	1.4	1.7	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2
1968	1.3	1.3	1.2	1.1	1.2	1.1	1.3	1.4	1.2	1.2	1.1	1.1
1969	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.2	1.4
1970	1.5	1.6	1.7	2.0	1.8	1.9	1.6	1.8	1.9	2.1	2.0	1.8
1971	1.7	1.5	1.5	1.6	1.5	1.5	1.5	1.9	1.7	1.4	1.4	1.4
1972	1.3	1.2	1.2	1.2	1.0	1.4	1.4 p					

p=preliminary.

ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
June 1972 <sup>P</sup>	May 1972	June 1972 <sup>P</sup>	May 1972	June 1972 <sup>P</sup>	May 1972	June 1972 <sup>P</sup>	May 1972	June 1972 <sup>P</sup>	May 1972	
<b>ALABAMA:</b>										
Birmingham	4.1	3.4	2.2	2.7	2.6	2.6	1.5	1.4	0.4	0.3
Mobile <sup>1</sup>	8.2	9.2	3.0	2.1	7.8	8.0	1.5	1.5	5.4	5.9
<b>ALASKA</b>										
	41.5	37.2	28.0	21.2	10.6	11.3	7.0	5.9	2.6	3.8
<b>ARIZONA</b>										
Phoenix	6.6	6.2	5.7	5.2	5.3	5.2	3.0	3.4	1.1	.7
	6.2	6.1	5.1	5.1	5.1	5.1	2.7	3.4	1.2	.7
<b>ARKANSAS</b>										
Fort Smith	8.0	9.5	6.9	8.2	7.1	7.2	5.3	5.5	.9	.5
Little Rock-North Little Rock	8.7	10.4	7.1	9.5	9.0	7.0	6.7	6.1	1.3	.2
Pine Bluff	8.3	9.4	7.6	8.6	6.9	8.0	5.3	5.8	.4	.3
	6.7	4.2	5.5	3.5	4.4	4.7	3.6	3.8	.4	.4
<b>COLORADO</b>										
Denver	7.0	6.1	5.9	5.0	5.1	4.0	3.1	2.5	.8	.8
	6.3	5.9	5.5	5.1	5.1	4.2	3.1	2.6	.7	.7
<b>CONNECTICUT</b>										
Hartford	3.6	3.3	2.9	2.5	2.8	2.7	1.4	1.3	.7	.6
	3.1	2.2	2.3	1.3	3.2	2.8	1.1	.9	1.2	.9
<b>DELAWARE<sup>1</sup></b>										
Wilmington <sup>1</sup>	3.9	3.2	2.8	1.9	8.8	2.4	1.1	1.1	6.9	.4
	3.8	3.1	2.7	1.9	9.2	2.4	1.1	1.1	7.1	.5
<b>DISTRICT OF COLUMBIA:</b>										
Washington SMSA	(*)	3.1	(*)	3.0	(*)	2.4	(*)	2.0	(*)	.1
<b>FLORIDA</b>										
Fort Lauderdale-Hollywood	7.3	7.6	6.5	6.7	7.3	8.3	4.6	4.8	1.6	2.4
Jacksonville	7.6	10.4	7.4	9.8	6.9	6.9	4.8	5.8	.7	.1
Miami	8.5	7.3	6.2	6.2	4.8	7.1	2.6	3.4	.5	2.1
Orlando	5.5	5.4	4.9	5.1	5.7	6.2	3.5	3.5	1.1	1.6
Pensacola	8.0	7.9	7.6	6.8	8.8	8.1	6.1	5.3	1.7	.9
Tampa-St. Petersburg	2.4	2.2	2.4	2.2	1.9	2.7	1.7	1.6	( <sup>2</sup> )	( <sup>2</sup> )
West Palm Beach	9.5	9.9	8.7	8.4	10.4	8.4	7.0	6.6	2.3	.7
	3.3	4.1	2.8	3.5	3.9	3.8	2.1	2.8	1.1	.6
<b>GEORGIA</b>										
Atlanta <sup>3</sup>	7.4	5.8	6.5	5.0	5.3	6.0	4.3	4.5	.2	.4
	6.0	4.9	5.4	4.4	4.1	5.0	3.1	3.3	.3	.8
<b>HAWAII<sup>4</sup></b>										
	3.2	2.6	2.9	2.2	1.9	2.1	1.0	1.1	.3	.2
<b>IDAHO<sup>5</sup></b>										
	10.4	12.7	8.6	8.2	5.4	5.4	3.4	3.9	.4	.3
<b>ILLINOIS:</b>										
Chicago	4.8	4.3	4.0	3.4	3.2	3.6	1.8	1.9	.4	.6
<b>INDIANA<sup>1</sup></b>										
Indianapolis <sup>6</sup>	4.3	4.4	3.2	3.1	4.0	3.1	1.6	1.6	1.5	.6
	3.3	5.9	2.7	4.7	4.4	3.5	1.1	2.5	2.4	.2
<b>IOWA</b>										
Cedar Rapids	4.8	4.6	3.2	3.2	2.6	3.1	1.4	1.5	.6	1.0
Des Moines	4.7	3.8	2.6	1.1	2.8	2.7	1.0	.9	1.5	1.5
	3.7	3.6	2.7	2.7	3.0	3.4	1.7	1.9	.3	.3
<b>KANSAS</b>										
Topeka	5.1	5.5	4.0	4.4	3.6	4.1	2.2	2.4	.7	.9
Wichita	2.5	3.1	1.2	1.7	3.3	4.1	.8	1.1	1.8	2.4
	5.3	5.1	4.3	3.7	3.3	3.2	2.2	2.0	.6	.6
<b>KENTUCKY</b>										
Louisville	4.3	4.3	3.3	3.1	3.8	2.9	2.1	1.6	.7	.4
	3.5	3.7	2.6	2.6	2.3	2.4	1.3	1.2	.3	.2
<b>LOUISIANA:</b>										
New Orleans	7.0	6.0	5.9	4.6	5.1	3.7	2.3	2.0	1.3	.4
<b>MAINE</b>										
Portland	9.5	8.2	7.2	6.2	7.7	5.9	3.9	3.7	2.7	1.1
	7.4	4.6	6.5	4.1	4.5	4.1	2.9	3.0	1.1	.6
<b>MARYLAND</b>										
Baltimore	4.4	3.9	3.2	2.9	3.6	3.8	1.9	1.8	.9	1.2
	4.1	3.5	2.9	2.6	3.4	3.5	1.7	1.7	.8	1.0
<b>MASSACHUSETTS</b>										
Boston	4.8	4.3	3.8	3.3	4.2	3.3	2.1	1.9	1.2	.6
	4.4	3.8	3.5	2.8	4.7	2.9	1.9	1.6	2.0	.5
<b>MICHIGAN</b>										
Detroit	2.9	3.4	1.7	2.2	2.5	2.7	.9	1.0	.8	.8
	4.4	3.6	3.2	2.4	3.9	2.9	1.4	1.1	1.3	.8

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
June 1972 <sup>P</sup>	May 1972	June 1972 <sup>P</sup>	May 1972	June 1972 <sup>P</sup>	May 1972	June 1972 <sup>P</sup>	May 1972	June 1972 <sup>P</sup>	May 1972	
MINNESOTA .....	6.2	4.8	4.6	2.9	3.7	3.4	2.0	1.7	1.0	1.1
Minneapolis-St. Paul .....	4.9	4.3	3.6	2.7	3.4	3.1	1.7	1.5	1.0	1.0
MISSISSIPPI:										
Jackson .....	4.5	6.1	3.8	4.9	5.4	5.2	3.4	3.8	.8	.3
MISSOURI .....	4.5	4.7	3.6	3.7	3.6	3.5	2.1	2.1	.7	.6
Kansas City .....	4.4	5.0	3.8	3.8	3.6	3.3	2.3	3.1	.4	.4
St. Louis .....	3.4	3.1	2.4	2.1	2.3	2.4	1.1	1.0	.5	.6
MONTANA .....	6.6	4.4	5.6	3.7	3.2	3.9	1.8	2.6	.7	.5
NEBRASKA .....	6.0	6.2	4.8	4.8	4.1	4.0	2.6	2.7	.5	.6
NEVADA .....	8.3	7.4	6.7	6.3	6.9	5.7	3.0	3.9	1.6	.7
NEW HAMPSHIRE .....	7.1	6.0	6.2	5.2	5.4	4.9	4.1	3.5	.5	.5
NEW JERSEY:										
Camden <sup>7</sup> .....	4.6	4.0	3.1	3.1	3.4	3.8	1.5	1.8	1.0	1.0
Jersey City .....	3.9	3.0	2.8	2.0	3.2	4.3	1.2	1.0	1.0	2.5
Newark .....	4.2	3.9	3.2	2.9	4.6	3.5	1.5	1.4	2.3	1.1
Paterson-Clifton-Passaic .....	5.1	4.6	3.6	3.1	3.8	3.6	1.8	1.7	1.0	.9
Perth Amboy .....	3.8	3.8	3.2	2.8	2.9	3.1	1.3	1.3	.6	1.0
Trenton .....	4.2	3.6	3.4	2.9	3.7	3.2	1.6	1.6	1.2	.8
NEW YORK .....	4.5	4.1	3.1	2.7	4.0	3.8	1.4	1.4	1.7	1.6
Albany-Schenectady-Troy .....	3.2	2.8	2.1	1.8	2.3	2.3	1.0	.9	.5	.6
Binghamton .....	3.9	2.4	1.8	1.6	1.9	2.3	1.1	.9	.3	.8
Buffalo .....	3.1	2.9	2.1	1.6	3.1	2.2	.7	.7	1.6	.8
Elmira .....	3.9	3.7	3.2	2.5	3.0	3.1	1.0	1.2	1.4	1.2
Monroe County <sup>8</sup> .....	3.7	2.5	3.3	2.1	1.9	1.5	1.0	.9	.3	.2
Nassau and Suffolk Counties <sup>9</sup> .....	5.8	5.3	4.7	4.1	4.7	4.5	2.2	2.2	1.5	1.3
New York SMSA .....	5.0	4.8	3.4	3.1	4.8	4.9	1.6	1.6	2.3	2.4
New York City <sup>9</sup> .....	5.0	4.8	3.2	3.0	5.1	5.2	1.5	1.5	2.7	2.8
Rochester .....	4.0	3.0	3.4	2.5	2.1	1.9	1.1	1.0	.4	.4
Syracuse .....	3.5	2.9	2.8	2.2	2.4	2.1	1.2	1.1	.4	.3
Utica-Rome .....	3.5	3.2	2.2	1.9	3.5	2.9	1.1	1.1	1.8	1.3
Westchester County <sup>9</sup> .....	3.5	3.1	2.6	2.1	2.9	2.9	1.2	1.2	.8	.8
NORTH CAROLINA .....	6.6	6.7	5.8	5.7	5.5	6.1	4.2	4.7	.2	.3
Charlotte .....	7.4	5.9	6.9	5.5	7.0	5.4	4.8	4.3	.4	.1
Greensboro-Winston-Salem-High Point .....	5.6	5.8	5.0	5.1	4.6	5.0	3.5	3.8	.3	.3
NORTH DAKOTA .....	8.1	8.6	6.4	6.1	9.2	5.8	2.4	2.8	5.8	1.2
Fargo-Moorhead .....	4.8	6.3	2.9	4.1	2.7	2.9	2.1	1.9	.3	.4
OHIO .....	3.9	3.4	2.6	2.0	2.8	2.5	1.2	1.1	.9	.7
Akron .....	2.7	2.4	1.8	1.2	1.8	1.7	.7	.7	.5	.6
Canton .....	4.4	4.7	1.8	1.6	2.7	2.4	.8	.9	.7	.5
Cincinnati .....	4.2	3.7	2.8	2.3	2.7	2.7	1.3	1.3	.5	.7
Cleveland .....	3.4	3.3	2.3	2.2	3.2	2.4	1.2	1.1	1.1	.6
Columbus .....	3.6	3.2	2.6	2.1	3.3	2.8	1.7	1.7	.9	.4
Dayton .....	3.2	2.7	2.1	1.7	2.6	2.0	1.2	.9	.5	.3
Toledo .....	4.0	3.6	2.7	2.3	2.8	2.6	1.0	.9	.6	.5
Youngstown-Warren .....	3.1	2.9	1.2	1.1	4.0	3.1	.6	.5	2.5	1.4
OKLAHOMA .....	6.9	6.7	5.8	5.7	5.5	5.3	4.0	3.8	.5	.6
Oklahoma City .....	8.1	7.7	6.9	6.7	7.2	6.7	4.7	4.8	1.3	.9
Tulsa <sup>10</sup> .....	6.1	5.4	4.2	4.2	3.9	3.7	2.9	2.6	.2	.3
OREGON <sup>1</sup> .....	7.6	6.5	6.5	5.2	4.9	4.2	2.8	2.6	.9	.7
Portland <sup>1</sup> .....	6.4	6.1	5.0	4.5	5.2	4.0	2.5	2.3	1.7	.9
PENNSYLVANIA:										
Allentown-Bethlehem-Easton .....	4.0	3.4	3.0	2.3	2.5	2.8	1.3	1.3	.5	.9
Alltoona .....	6.6	4.3	4.2	3.8	3.8	3.2	2.5	2.2	.8	.5
Erie .....	4.1	4.5	2.9	2.7	2.7	3.2	1.2	1.5	.8	.7
Harrisburg .....	3.6	4.1	3.4	3.1	2.9	4.2	1.6	1.9	.6	1.6
Johnstown .....	1.7	1.8	.5	1.0	5.7	2.5	.5	1.0	4.7	.9
Lancaster .....	5.1	5.1	4.5	4.4	2.9	3.2	2.0	2.5	.2	.1

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
June 1972 <sup>p</sup>	May 1972	June 1972 <sup>p</sup>	May 1972	June 1972 <sup>p</sup>	May 1972	June 1972 <sup>p</sup>	May 1972	June 1972 <sup>p</sup>	May 1972	
PENNSYLVANIA—Continued										
Philadelphia SMSA	3.8	3.5	2.8	2.5	3.5	3.4	1.4	1.4	1.4	1.1
Pittsburgh	2.9	2.9	1.6	1.2	2.2	1.7	.5	.5	.9	.5
Reading	4.3	4.6	3.7	3.5	3.7	5.2	1.6	2.0	1.6	2.6
Scranton	3.9	4.4	2.2	2.9	3.3	3.8	1.4	1.9	1.5	1.1
Wilkes-Barre—Hazleton	4.9	4.5	3.9	3.5	2.8	3.4	1.6	1.9	.6	.8
York	5.7	4.8	4.8	4.0	3.5	3.8	2.6	2.6	.2	.6
RHODE ISLAND										
Providence—Warwick—Pawtucket	7.1	6.3	5.8	4.9	5.2	5.0	3.1	3.1	1.2	1.0
	7.1	6.3	5.9	4.9	5.3	4.9	3.3	3.2	1.0	.8
SOUTH CAROLINA:										
Greenville	7.3	8.2	6.7	7.0	6.4	6.9	5.3	5.7	.1	.1
SOUTH DAKOTA										
Sioux Falls	7.7	6.5	5.7	4.4	4.7	4.9	3.0	2.8	1.3	1.6
	8.2	7.1	3.1	2.6	5.4	6.0	1.9	1.7	3.3	4.1
TENNESSEE:										
Memphis	4.9	5.5	4.3	4.8	4.0	4.3	2.6	2.6	.4	.
TEXAS:										
Dallas	5.7	5.2	5.0	4.6	4.6	4.7	3.3	3.4	.4	.5
Fort Worth	5.5	5.8	5.0	5.4	4.7	5.1	3.3	3.6	.6	.6
Houston	5.2	5.4	4.6	4.8	4.0	3.9	2.5	2.5	.4	.3
San Antonio	5.1	5.8	4.9	5.6	5.1	5.5	3.2	3.3	.5	.6
UTAH <sup>8</sup>										
Salt Lake City <sup>9</sup>	7.7	4.3	4.5	3.6	3.6	2.9	2.4	1.8	.5	.5
	5.4	4.4	4.6	4.1	3.5	3.3	2.5	2.5	.3	.4
VERMONT										
Burlington	4.5	4.6	3.4	3.4	3.3	3.5	2.1	1.9	.3	.8
Springfield	1.5	2.0	.6	1.3	2.0	2.0	.8	.7	.4	.8
	4.9	5.5	3.0	2.5	2.8	2.4	1.7	1.3	.4	.5
VIRGINIA										
Richmond	5.4	4.7	4.6	3.9	3.9	4.0	2.7	2.8	.3	.4
	3.6	2.8	2.8	2.4	2.3	2.8	1.4	1.6	.2	.4
WASHINGTON:										
Seattle—Everett <sup>11</sup>	5.0	4.2	3.3	2.5	4.0	3.2	1.9	1.3	1.5	1.2
WEST VIRGINIA:										
Charleston	1.3	1.2	.6	.7	1.3	1.2	.4	.4	.4	.4
WISCONSIN										
Milwaukee	5.7	4.3	4.1	2.9	3.0	2.7	1.3	1.2	.8	.7
	4.6	4.1	3.2	2.8	3.5	2.8	1.3	1.3	.8	.5
WYOMING										
	5.0	7.4	4.0	6.1	1.9	4.5	1.4	3.2	.2	.6

<sup>1</sup> Excludes canning and preserving.<sup>2</sup> Less than 0.05.<sup>3</sup> Excludes agricultural chemicals and miscellaneous manufacturing.<sup>4</sup> Excludes canned fruits, vegetables, preserves, jams and jellies.<sup>5</sup> Excludes canning and preserving, and sugar.<sup>6</sup> Excludes canning and preserving, and newspapers.<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.<sup>10</sup> Excludes new-hire rate for transportation equipment.<sup>11</sup> Excludes canning and preserving, printing and publishing.<sup>p</sup> Not available.<sup>p</sup> preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA**  
**JOB VACANCY**

112

**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	289	241	258	313	289	243	210	186	264
1970.....	187	170	166	158	151	123	126	137	118	93	75	76	132
1971.....	81	80	83	93	94	90	90	106	98	90	79	78	88
1972.....	90	97	111	124	127	125	134 p						
Job vacancy rates <sup>1</sup>													
1969.....	-	-	-	1.4	1.4	1.2	1.3	1.5	1.4	1.2	1.0	0.9	1.3
1970.....	0.9	0.9	0.8	.8	.8	.6	.6	.7	.6	.5	.4	.4	.7
1971.....	.4	.4	.4	.5	.5	.5	.5	.6	.5	.5	.4	.4	.5
1972.....	.5	.5	.6	.7	.7	.6	.7 p						
Number of long-term job vacancies <sup>2</sup> (In thousands)													
1969.....	-	-	-	137	131	110	110	121	127	111	102	90	120
1970.....	77	70	67	60	56	45	44	43	38	33	30	29	49
1971.....	28	27	27	28	27	26	26	28	28	28	25	26	27
1972.....	25	27	30	33	34	33	34 p						
Long-term job vacancy rates <sup>2</sup>													
1969.....	-	-	-	0.7	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.6
1970.....	0.4	0.3	0.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.3
1971.....	.2	.1	.1	.2	.1	.1	.1	.2	.1	.1	.1	.1	.1
1972.....	.1	.1	.2	.2	.2	.2	.2 p						

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

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

p-preliminary.

**E-2: Number and rate of job vacancies in manufacturing, April 1969 to date, seasonally adjusted**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Number of job vacancies (In thousands)												
1969.....	-	-	-	279	269	254	251	256	254	246	241	219
1970.....	202	185	168	150	140	130	123	113	103	94	87	90
1971.....	88	87	84	89	87	94	88	87	86	91	90	92
1972.....	97	106	112	118	118	131	130p					
Job vacancy rates <sup>1</sup>												
1969.....	-	-	-	1.4	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.1
1970.....	1.0	.9	.8	.8	.7	.7	.6	.6	.5	.5	.5	.5
1971.....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
1972.....	.5	.6	.6	.6	.6	.7	.7p					
Number of long-term job vacancies <sup>2</sup> (In thousands)												
1969.....	-	-	-	134	129	119	113	112	118	107	102	91
1970.....	83	73	68	59	54	48	46	40	35	31	30	29
1971.....	30	28	27	28	26	28	26	26	26	27	25	26
1972.....	27	29	31	32	33	35	35p					
Long-term job vacancy rates <sup>2</sup>												
1969.....	-	-	-	.7	.6	.6	.6	.5	.6	.5	.5	.4
1970.....	.4	.4	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2
1971.....	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1972.....	.1	.2	.2	.2	.2	.2	.2p					

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

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

p-preliminary.

E-3: Job vacancy rates in manufacturing, by industry

Industry division and group	1972							1971					
	July <sup>P</sup>	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
	Job vacancy rates <sup>1</sup>												
Manufacturing . . . . .	0.7	0.6	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.5
Durable goods . . . . .	.7	.6	.6	.6	.5	.5	.5	.4	.4	.4	.5	.5	.4
Nondurable goods . . . . .	.8	.7	.7	.7	.6	.6	.5	.5	.5	.5	.6	.6	.6
Selected durable goods industries:													
Primary metal industries . . . . .	.3	.3	.3	.3	.2	.2	.2	.1	.1	.2	.2	.2	.2
Machinery, except electrical . . . . .	.8	.7	.7	.7	.6	.5	.5	.4	.4	.4	.5	.4	.4
Electrical equipment and supplies . . . . .	.8	.8	.8	.8	.7	.7	.6	.5	.5	.6	.5	.6	.5
Transportation equipment . . . . .	.6	.6	.6	.7	.5	.5	.4	.3	.4	.4	.5	.6	.5
Instruments and related products . . . . .	1.3	1.3	1.1	1.1	.9	.7	.7	.6	.6	.7	.8	.8	.8
Selected nondurable goods industries:													
Textile mill products . . . . .	1.3	1.1	1.2	1.2	1.1	.9	.8	.8	.8	.9	.9	1.0	.8
Apparel and other textile products . . . . .	1.5	1.4	1.4	1.3	1.4	1.2	1.2	1.1	1.0	1.2	1.2	1.4	1.3
Printing and publishing . . . . .	.4	.4	.4	.4	.4	.3	.3	.3	.3	.4	.3	.4	.3
Chemicals and allied products . . . . .	.5	.5	.5	.6	.5	.4	.4	.3	.3	.4	.4	.4	.4
	Long-term job vacancy rates <sup>2</sup>												
Manufacturing . . . . .	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Durable goods . . . . .	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Nondurable goods . . . . .	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
Selected durable goods industries:													
Primary metal industries . . . . .	.1	.1	.1	.1	.1	.1	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Machinery, except electrical . . . . .	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1
Electrical equipment and supplies . . . . .	.2	.2	.2	.2	.2	.2	.1	.2	.1	.1	.1	.1	.1
Transportation equipment . . . . .	.2	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.2	.1
Instruments and related products . . . . .	.4	.3	.3	.2	.2	.2	.1	.1	.1	.1	.2	.1	.1
Selected nondurable goods industries:													
Textile mill products . . . . .	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2
Apparel and other textile products . . . . .	.6	.6	.6	.6	.6	.6	.5	.5	.5	.6	.6	.6	.6
Printing and publishing . . . . .	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Chemicals and allied products . . . . .	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1
	Long-term job vacancies as a percent of job vacancies <sup>3</sup>												
Manufacturing . . . . .	26	26	26	26	27	28	28	33	32	31	28	27	29
Durable goods . . . . .	24	23	24	23	24	24	23	30	28	28	25	24	24
Nondurable goods . . . . .	28	30	29	30	31	33	33	37	35	34	32	30	33
Selected durable goods industries:													
Primary metal industries . . . . .	20	24	24	22	28	28	24	29	28	29	26	29	24
Machinery, except electrical . . . . .	26	25	28	25	26	24	23	29	30	31	27	26	28
Electrical equipment and supplies . . . . .	22	19	20	21	23	23	21	30	26	24	22	18	20
Transportation equipment . . . . .	28	26	23	24	24	26	26	29	23	33	25	26	26
Instruments and related products . . . . .	27	23	29	22	19	22	19	25	15	17	21	17	18
Selected nondurable goods industries:													
Textile mill products . . . . .	25	23	25	23	20	23	21	28	24	22	20	20	19
Apparel and other textile products . . . . .	40	42	41	43	45	46	46	50	52	51	49	45	48
Printing and publishing . . . . .	20	21	20	20	21	23	24	22	24	23	22	21	19
Chemicals and allied products . . . . .	39	36	35	34	29	30	27	29	27	30	26	31	29

<sup>1</sup> See footnote 1, table E-1.<sup>2</sup> See footnote 2, table E-1.<sup>3</sup> Percentages are computed using unrounded rates.

p=preliminary.

\* Less than 0.05.

E-4: Percent distribution of job vacancies in manufacturing, by industry

Industry division and group	1972							1971					
	July <sup>P</sup>	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Manufacturing . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Durable goods . . . . .	54.5	55.3	54.1	55.7	53.0	54.4	53.8	51.4	49.9	50.3	52.3	50.6	50.6
Primary metal industries . . . . .	2.6	2.7	2.7	2.9	2.6	2.6	2.3	2.2	2.3	2.3	2.4	2.0	2.3
Machinery, except electrical . . . . .	11.4	10.4	9.4	9.8	9.1	9.7	10.2	9.7	8.1	8.3	8.5	7.0	7.6
Electrical equipment and supplies . . . . .	11.2	12.0	11.1	12.2	11.6	12.6	11.9	12.7	10.9	11.1	10.1	10.1	9.6
Transportation equipment . . . . .	7.6	8.5	8.5	9.4	8.5	9.0	8.5	7.1	9.3	8.7	8.7	9.7	9.3
Instruments and related products . . . . .	4.4	5.0	3.8	4.0	3.8	3.3	3.5	3.1	3.3	3.3	3.4	3.4	3.8
Other durable goods industries . . . . .	17.2	16.7	18.7	17.4	17.3	17.2	17.6	16.7	16.1	16.5	19.3	18.5	18.0
Nondurable goods . . . . .	45.5	44.7	45.9	44.3	47.0	45.6	46.2	48.6	50.1	49.7	47.7	49.4	49.4
Textile mill products . . . . .	9.4	8.9	9.3	9.8	10.1	9.6	8.9	10.0	10.4	10.2	9.2	9.5	8.6
Apparel and other textile products . . . . .	15.0	15.2	15.5	14.9	17.2	17.8	17.9	18.8	18.2	18.0	17.5	18.3	19.2
Printing and publishing . . . . .	3.4	3.1	3.5	3.6	3.5	3.2	4.2	4.6	4.3	4.4	3.8	4.1	4.0
Chemicals and allied products . . . . .	3.8	4.4	3.8	4.5	4.7	4.1	4.1	4.0	4.2	4.4	3.9	3.7	4.6
Other nondurable goods industries . . . . .	14.1	13.2	13.7	11.5	11.4	11.0	11.2	11.2	13.0	12.8	13.3	13.9	12.8

p=preliminary.

**ESTABLISHMENT DATA**  
**NATIONAL AND AREA JOB VACANCY**

**E-5: Job vacancy rates, United States and selected areas**

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total <sup>1</sup>		Long-term <sup>2</sup>			Total <sup>1</sup>		Long-term <sup>2</sup>	
	June 1972 <sup>p</sup>	May 1972	June 1972 <sup>p</sup>	May 1972		June 1972 <sup>p</sup>	May 1972	June 1972 <sup>p</sup>	May 1972
<b>Manufacturing</b>					<b>Nonmanufacturing<sup>4</sup></b>				
United States <sup>3</sup> . . . . .	0.6	0.7	0.2	0.2					
<b>Albany-Schenectady-</b>					<b>Mining:</b>				
Troy, N.Y. . . . .	.3	.3	.1	.1	New Orleans, La . . . . .	*	*	*	*
Atlanta, Ga . . . . .	.3	.6	.1	.1	Phoenix, Ariz . . . . .	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Baltimore, Md . . . . .	.6	.6	.3	.2	Portland, Ore. . . . .	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Boston, Mass . . . . .	.6	.6	.1	.2					
Buffalo, N.Y. . . . .	.4	.4	*	.1	<b>Construction:</b>				
Cedar Rapids, Iowa . . . . .	.4	.5	*	.1	Oklahoma City, Okla . . . . .	.6	.7	.2	.3
Dallas, Tex . . . . .	.9	.7	.3	.2	Portland, Ore. . . . .	.4	.1	*	*
Denver, Colo . . . . .	.2	.8	.1	.1					
Des Moines, Iowa . . . . .	.4	.6	.1	.1	<b>Transportation and Public</b>				
Detroit, Mich . . . . .	.2	.3	.1	.1	<b>Utilities:</b>				
Fort Worth, Tex . . . . .	.5	.6	.2	.2	Boston, Mass . . . . .	.1	.5	*	.1
Greensboro-Winston-Salem-					Minneapolis-St. Paul, Minn. <sup>6</sup> . . . . .	.9	2.9	.3	.8
Highpoint, N.C . . . . .	1.4	1.5	.2	.3	Oklahoma City, Okla. <sup>6</sup> . . . . .	.8	.4	.1	.2
Greenville, S.C . . . . .	1.0	1.2	.2	.2	St. Louis, Mo. <sup>6</sup> . . . . .	.1	.1	.1	.1
Houston, Tex . . . . .	1.0	1.0	.4	.5					
Jersey City, NJ . . . . .	.2	.2	*	*	<b>Wholesale and Retail</b>				
Kansas City, Mo . . . . .	.4	.5	.1	.1	<b>Trade:</b>				
Little Rock-North Little Rock, Ark . . . . .	.3	.4	.1	.1	Boston, Mass. . . . .	.2	.2	.1	.1
Memphis, Tenn . . . . .	.4	.4	*	.1	Hartford, Conn . . . . .	.6	.6	.1	.1
Miami, Fla . . . . .	.8	1.5	.2	.5	Minneapolis-St. Paul, Minn. . . . .	.6	.7	.1	.1
Milwaukee, Wisc . . . . .	.9	.8	.3	.2	Phoenix, Ariz . . . . .	.3	.4	.1	.1
Minneapolis-St. Paul, Minn. . . . .	.6	.8	.1	.1	Portland, Ore. . . . .	.6	.6	*	.1
Newark, NJ . . . . .	.6	.6	.2	.2					
New Orleans, La . . . . .	.2	.3	*	.1	<b>Finance, Insurance and</b>				
New York, N.Y. . . . .	.6	.6	.2	.2	<b>Real Estate:</b>				
Oklahoma City, Okla . . . . .	.6	1.0	.1	.1	Boston, Mass . . . . .	1.5	1.3	.3	.3
Paterson-Clifton-					Hartford, Conn . . . . .	3.7	3.4	2.2	2.8
Passaic, NJ . . . . .	.6	.5	.1	.1	Minneapolis-St. Paul, Minn. . . . .	.7	.9	.1	.2
Perth Amboy, NJ . . . . .	.7	.8	.2	.2	Phoenix, Ariz . . . . .	.8	.9	.2	.1
Philadelphia, Pa . . . . .	.5	.6	.2	.2	Portland, Ore. . . . .	.6	.6	.2	.1
Phoenix, Ariz . . . . .	1.2	1.3	.1	.1	St. Louis, Mo . . . . .	.8	1.0	.2	.3
Portland-South					Salt Lake City, Utah . . . . .	.4	.6	*	*
Portland, Maine . . . . .	.2	.4	.1	*					
Portland, Ore . . . . .	.7	.4	*	*	<b>Service:</b>				
Providence-Pawtucket-					Boston, Mass. . . . .	.7	.9	.4	.5
Warwick, RI . . . . .	.7	.9	.2	.2	Phoenix, Ariz . . . . .	.9	1.0	.2	.2
Richmond, Va . . . . .	.4	.7	.1	.2	Portland, Ore. . . . .	.6	.7	.2	.3
St. Louis, Mo . . . . .	.3	.4	.1	.1	St. Louis, Mo . . . . .	.9	1.0	.2	.3
Salt Lake City, Utah . . . . .	.3	.4	*	*					
San Antonio, Tex . . . . .	.4	.7	.1	.2	<b>Government:</b>				
Sioux Falls, S.D . . . . .	.5	1.6	*	*	Atlanta, Ga . . . . .	1.7	1.5	.7	.8
Syracuse, N.Y. . . . .	.6	.4	.1	.1	Boston, Mass. . . . .	.8	.7	.3	.4
Tampa-St. Petersburg					Minneapolis-St. Paul, Minn. . . . .	1.2	1.2	.5	.5
Fla . . . . .	1.9	2.0	.5	.5	Phoenix, Ariz . . . . .	1.4	1.4	.4	.2
Wichita, Kans . . . . .	1.3	1.3	.1	.2	Portland, Ore. <sup>7</sup> . . . . .	.7	.8	.2	.2
					St. Louis, Mo . . . . .	.5	.3	.1	.1
					<b>All Nonagricultural Industries</b>				
					Boston, Mass . . . . .	.6	.6	.2	.3
					Phoenix, Ariz . . . . .	.8	.9	.2	.1
					Portland, Ore. . . . .	.6	.5	.1	.1
					Salt Lake City, Utah . . . . .	.8	1.0	.1	.1

<sup>1</sup> See footnote 1, table E-1.  
<sup>2</sup> See footnote 2, table E-1.  
<sup>3</sup> Based on a nationwide sample which includes metropolitan areas not shown in the table as well as nonmetropolitan areas.  
<sup>4</sup> Additional industry data, by area, will be published when available.  
<sup>5</sup> Combined with services.  
<sup>6</sup> Excludes railroads.  
<sup>7</sup> Excludes education.  
\* Less than 0.05.  
<sup>p</sup> preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.



## F-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	August 1972	July 1972	August 1971	Change from <sup>1</sup>		August 1972	July 1972	August 1971
				July 1972	August 1971			
<b>TOTAL</b> <sup>2,3</sup>	1,633.4	*1,848.2	1,984.6	-214.8	-351.2	3.1	3.5	3.7
SEASONALLY ADJUSTED	1,802.2	*2,001.4	2,228.1	-199.2	-425.9	3.4	3.8	4.2
Alabama	16.7	21.4	23.2	-4.7	-6.5	2.3	3.0	3.3
Alaska	3.3	3.3	3.0	-	.4	5.7	5.6	5.1
Arizona	8.7	8.6	10.4	.1	-1.7	2.1	2.1	2.7
Arkansas	9.4	10.8	12.0	-1.4	-2.6	2.3	2.6	3.0
California	205.4	226.6	267.4	-21.1	-61.9	4.0	4.4	5.1
Colorado	5.7	5.7	6.5	-	-.8	1.1	1.1	1.3
Connecticut	50.3	59.1	71.7	-8.8	-21.4	4.7	5.5	7.0
Delaware	3.3	3.4	7.5	-.1	-4.2	1.9	1.9	4.4
District of Columbia	8.0	7.7	7.6	.3	.4	2.3	2.2	2.2
Florida	34.2	35.0	41.7	-.8	-7.5	2.1	2.2	2.7
Georgia	20.5	20.7	23.2	-.1	-2.7	1.8	1.8	2.1
Hawaii	9.7	10.5	10.0	-.8	-.2	3.6	3.9	3.8
Idaho	6.6	6.4	6.8	.2	-.3	4.1	4.0	4.4
Illinois	72.4	78.4	82.2	-6.0	-9.8	2.3	2.5	2.6
Indiana	22.1	28.1	35.0	-5.9	-12.9	1.6	2.0	2.5
Iowa	8.6	9.9	11.9	-1.3	-3.3	1.5	1.7	2.0
Kansas	8.8	8.9	12.8	-.1	-4.0	2.0	2.1	3.0
Kentucky	13.7	15.6	20.1	-1.8	-6.4	2.1	2.4	3.2
Louisiana	22.1	23.8	26.0	-1.7	-3.9	3.0	3.2	3.6
Maine	9.5	12.7	12.0	-3.2	-2.5	4.3	5.8	5.4
Maryland	28.0	29.5	39.8	-1.5	-11.8	2.9	3.1	4.2
Massachusetts	77.7	90.1	85.2	-12.3	-7.4	4.6	5.3	4.9
Michigan	111.4	*131.4	141.5	-20.0	-30.2	4.7	5.5	6.0
Minnesota	22.8	30.1	22.3	-7.4	.4	2.3	3.1	2.3
Mississippi	5.2	6.2	7.3	-1.0	-2.1	1.3	1.5	1.9
Missouri	39.0	33.6	45.0	5.4	-6.1	3.3	2.9	3.8
Montana	3.8	4.1	5.0	-.3	-1.2	2.9	3.2	3.9
Nebraska	4.1	4.2	4.4	-.1	-.3	1.3	1.3	1.4
Nevada	6.6	7.0	6.9	-.3	-.3	4.0	4.2	4.3
New Hampshire	3.4	7.5	6.7	-4.1	-3.3	1.8	3.9	3.4
New Jersey	97.5	103.4	102.6	-5.9	-5.1	4.8	5.1	5.0
New Mexico	6.6	6.8	7.3	-.2	-.7	3.4	3.5	3.9
New York	216.3	250.6	232.2	-34.3	-15.9	3.7	4.3	4.1
North Carolina	16.4	23.9	27.0	-7.4	-10.6	1.2	1.7	2.0
North Dakota	1.6	1.9	1.4	-.3	.1	1.8	2.1	1.7
Ohio	44.4	56.4	90.6	-12.0	-46.2	1.6	2.0	3.1
Oklahoma	13.4	14.1	16.8	-.7	-3.4	2.7	2.8	3.4
Oregon	18.1	19.7	21.5	-1.6	-3.5	3.2	3.5	4.0
Pennsylvania	126.8	167.2	133.5	-40.4	-6.7	3.8	5.1	4.0
Puerto Rico <sup>2</sup>	62.6	*53.8	59.5	8.8	3.1	11.7	12.7	11.5
Rhode Island	13.8	18.6	16.6	-4.8	-2.8	5.0	6.7	5.9
South Carolina	11.3	12.4	15.4	-1.2	-4.1	1.8	2.0	2.5
South Dakota	1.6	1.7	1.4	-.1	.2	1.5	1.6	1.5
Tennessee	20.6	24.5	24.7	-3.8	-4.1	2.1	2.5	2.6
Texas	34.9	36.7	43.9	-1.9	-9.0	1.3	1.4	1.7
Utah	7.0	7.2	8.8	-.2	-1.8	2.9	3.0	3.8
Vermont	4.3	4.8	4.0	-.6	.3	4.2	4.8	3.9
Virginia	9.6	9.7	11.8	-.1	-2.1	.9	.9	1.2
Washington	47.6	52.1	68.7	-4.4	-21.1	5.9	6.4	8.8
West Virginia	10.9	12.8	11.3	-1.9	-.4	3.0	3.5	3.1
Wisconsin	26.3	29.1	29.6	-2.8	-3.3	2.3	2.5	2.6
Wyoming	.6	.7	.8	-.1	-.2	.8	1.0	1.1

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

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

<sup>3</sup> Figures do not include claimants receiving benefits under extended benefit provisions.

\* Revised after publication.

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

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

State and area	August 1972	August 1971	State and area	August 1972	August 1971	State and area	August 1972	August 1971	State and area	August 1972	August 1971
<b>ALABAMA</b>			<b>INDIANA</b>			<b>NEW HAMPSHIRE</b>			<b>Pennsylvania--continued</b>		
Birmingham.....	4.4	6.8	Evansville.....	1.4	1.0	Manchester.....	.9	1.2	York.....	2.5	2.8
Mobile.....	2.3	2.6	Ft. Wayne.....	.9	1.2						
			Gary-Hammond..	2.8	11.1						
			Indianapolis....	4.3	4.6	<b>NEW JERSEY</b>			<b>PUERTO RICO</b>		
<b>ARIZONA</b>			South Bend.....	1.0	1.9	Atlantic City....	2.1	2.2	Mayaguez.....	3.3	2.5
Phoenix.....	6.0	6.8	Terre Haute.....	1.0	.9	Jersey City.....	13.0	14.2	Ponce.....	4.0	4.0
						New Brunswick..	11.5	12.3	San Juan.....	10.1	9.0
						Paterson.....	20.6	21.3			
<b>ARKANSAS</b>			<b>IOWA</b>			Trenton.....	2.7	3.5			
Little Rock.....	1.1	1.5	Cedar Rapids....	.7	1.0				<b>RHODE ISLAND</b>		
			Des Moines.....	1.2	1.4				Providence.....	15.8	19.0
						<b>NEW MEXICO</b>					
<b>CALIFORNIA</b>			<b>KANSAS</b>			Albuquerque....	2.8	2.8			
Anaheim-S. Ana-			Wichita.....	2.2	4.9						
Garden Grove..	13.4	18.5				<b>NEW YORK</b>			<b>SOUTH CAROLINA</b>		
Fresno.....	3.9	4.4	<b>KENTUCKY</b>			Albany.....	5.2	6.0	Charleston.....	1.5	2.3
Los Angeles....	86.3	123.2	Louisville.....	4.9	8.8	Binghamton....	1.5	2.4	Greenville.....	.9	1.7
Sacramento.....	7.7	8.5				Buffalo.....	15.5	26.3			
San Bernardino..	12.0	13.9	<b>LOUISIANA</b>			New York.....	162.3	166.5			
San Diego.....	15.0	15.9	Baton Rouge....	1.6	2.0	Rochester.....	8.0	7.9			
San Francisco..	39.9	49.2	New Orleans....	7.4	8.2	Syracuse.....	6.1	4.8	<b>TENNESSEE</b>		
San Jose.....	10.4	13.2	Shreveport.....	1.8	2.2	Utica.....	3.9	5.3	Chattanooga....	1.7	1.7
Stockton.....	2.7	3.5							Knoxville.....	1.9	2.8
			<b>MAINE</b>						Memphis.....	3.1	4.0
<b>COLORADO</b>			Portland.....	1.0	1.0	<b>NORTH CAROLINA</b>			Nashville.....	2.7	3.6
Denver.....	3.2	3.8				Asheville.....	.3	.7			
			<b>MARYLAND</b>			Charlotte.....	1.3	1.9			
			Baltimore.....	21.3	32.4	Durham.....	.4	.6	<b>TEXAS</b>		
						Greensboro-..			Austin.....	.8	.7
<b>CONNECTICUT</b>			<b>MASSACHUSETTS</b>			Winston-Salem..	2.0	3.4	Beaumont.....	2.6	3.2
Bridgeport.....	8.1	11.3	Boston.....	37.6	39.3				Corpus Christi..	1.1	.9
Hartford.....	10.9	14.9	Brockton.....	2.8	3.0	<b>OHIO</b>			Dallas.....	6.4	8.2
New Britain.....	3.4	4.9	Fall River.....	2.1	2.7	Akron.....	3.0	4.4	El Paso.....	1.8	1.9
New Haven.....	7.2	8.6	Lawrence.....	4.6	6.0	Canron.....	1.8	5.3	Ft. Worth.....	4.3	7.0
Stamford.....	2.1	2.9	Lowell.....	3.1	4.5	Cincinnati.....	5.8	14.5	Houston.....	6.2	5.9
Waterbury.....	3.7	6.6	New Bedford....	3.2	2.9	Cleveland.....	10.8	18.0	San Antonio....	2.3	2.8
			Springfield....	8.8	9.5	Columbus.....	2.9	4.0			
<b>DELAWARE</b>			Worcester.....	4.3	5.2	Dayton.....	3.2	7.8	<b>UTAH</b>		
Wilmington.....	3.7	7.8				Hamilton.....	1.6	2.7	Salt Lake City..	4.4	4.
			<b>MICHIGAN</b>			Lorain.....	1.1	3.9			
<b>DIST. OF COL.</b>			Battle Creek....	1.9	2.1	Steuenville...	.7	.7	<b>VIRGINIA</b>		
Washington.....	14.1	12.8	Detroit.....	56.3	69.7	Toledo.....	3.8	4.3	Hampton.....	.7	.8
			Flint.....	9.3	12.6	Youngstown....	3.4	11.2	Norfolk.....	1.5	1.2
<b>FLORIDA</b>			Grand Rapids...	5.3	6.5				Richmond.....	.6	1.1
Jacksonville....	1.3	1.0	Kalamazoo.....	2.0	2.3	<b>OKLAHOMA</b>			Roanoke.....	.3	.7
Miami.....	9.1	11.9	Lansing.....	9.6	13.5	Oklahoma City..	3.1	3.5			
Tampa.....	3.8	5.3	Muskegon.....	1.9	3.7	Tulsa.....	2.5	3.7	<b>WASHINGTON</b>		
			Saginaw.....	2.6	4.0				Seattle.....	23.8	38.5
						<b>OREGON</b>			Spokane.....	3.8	4.1
<b>GEORGIA</b>			<b>MINNESOTA</b>			Portland.....	10.4	12.8	Tacoma.....	5.7	6.5
Atlanta.....	9.3	11.7	Duluth.....	2.2	2.9						
Augusta.....	1.8	1.6	Minneapolis....	12.5	12.9	<b>PENNSYLVANIA</b>			<b>WEST VIRGINIA</b>		
Columbus.....	1.3	1.0				Allentown.....	5.0	8.2	Charleston.....	1.4	1.3
Macon.....	1.1	.7	<b>MISSISSIPPI</b>			Altoona.....	1.5	1.7	Huntington....	2.2	3.3
Savannah.....	.7	.9	Jackson.....	.7	.8	Erie.....	2.1	2.1	Wheeling.....	1.1	1.0
						Harrisburg....	3.4	2.2			
<b>HAWAII</b>			<b>MISSOURI</b>			Johnstown.....	4.0	7.3	<b>WISCONSIN</b>		
Honolulu.....	8.9	9.4	Kansas City....	11.7	12.6	Lancaster.....	1.3	1.8	Kenosha.....	.9	.9
			St. Louis.....	26.2	28.9	Philadelphia...	55.2	54.5	Madison.....	2.2	1.7
						Pittsburgh.....	23.0	35.5	Milwaukee.....	10.1	11.5
<b>ILLINOIS</b>			<b>NEBRASKA</b>			Reading.....	3.3	3.3	Racine.....	1.4	1.5
Chicago.....	48.2	57.8	Omaha.....	2.2	2.8	Scranton.....	3.6	3.4			
Davenport.....	1.9	3.2				Wilkes-Barre...	13.4	6.4			
Peoria.....	2.5	2.1									
Rockford.....	1.5	2.8									

<sup>1</sup> Insured jobs under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs excludes extended benefit claims.  
<sup>2</sup> 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 47,000 households, representing 461 areas in 923 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.

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

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

### Comparability of the payroll employment data with other series

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

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

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

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

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

## Labor Force Data

### Collection and coverage

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

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

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

Each month, 47,000 occupied units are designated for interview. About 1,700 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 percent. In addition to the 47,000 occupied units, there are about 7,500 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 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

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

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

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

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

Persons who worked 35 hours or more in the survey week are designated as working "full time;" persons who worked between

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

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

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

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

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

## ESTIMATING METHODS

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

1. **Noninterview adjustment.** The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas and, within these, for six groups—two race categories (white, and Negro and other races) within three residence categories. For sample areas which are standard metropolitan statistical areas (SMSA's), these resi-

dence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 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 1970 Census data on the color-residence distribution of the population. This step takes into account the differences existing at the time of the 1970 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 (1970) to take account of subsequent aging of the population, mortality, and migration between the United States and other countries.

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

## Rounding of estimates

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

## Reliability of the estimates

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

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

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

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

**Table A. Average standard error of major employment status categories**

(In thousands)

Employment status and sex	Average standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
<b>BOTH SEXES</b>		
Labor force .....	205	150
Total employment .....	210	155
Agriculture .....	95	60
Nonagricultural employment .....	210	155
Unemployment .....	90	95
<b>MALE</b>		
Labor force .....	115	95
Total employment .....	125	100
Agriculture .....	85	55
Nonagricultural employment .....	130	105
Unemployment .....	70	80
<b>FEMALE</b>		
Labor force .....	140	110
Total employment .....	140	110
Agriculture .....	35	25
Nonagricultural employment .....	140	110
Unemployment .....	60	70

**Table B. Standard error of level of monthly estimates**

(In thousands)

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

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

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

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

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

(In thousands)

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

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

**Table D. Standard error of percentage**

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

# Establishment Data

## COLLECTION

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

### Federal-State cooperation

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

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

### Shuttle schedules

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

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

## CONCEPTS

### Industrial classification

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

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

### Industry employment

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

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

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

### Industry hours and earnings

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

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

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

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



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

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

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

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

### Gross average hourly and weekly earnings

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

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

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

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

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

### Average weekly hours

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

### Average overtime hours

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

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

### Hours and earnings for total private nonagricultural industries

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

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

### Railroad hours and earnings

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

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

### **Spendable average weekly earnings**

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

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

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

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

### **Average hourly earnings excluding overtime**

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

### **Indexes of aggregate weekly payrolls and man-hours**

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

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

### **Labor turnover**

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

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

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

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

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

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

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

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

### **Relationship of labor turnover to employment series**

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

## Job vacancies

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

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

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

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

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

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

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

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

## ESTIMATING METHODS

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

### The "link relative" technique

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

labor turnover, reprinted from the *Handbook of Methods*, BLS Bulletin 1711—which are available upon request.

## Size and regional stratification

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

## Benchmark adjustments

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

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

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

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

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

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

## THE SAMPLE

### Design

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

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

In the context of the BLS employment and job vacancy-labor turnover statistics programs, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these 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 F. Approximate size and coverage of BLS employment and payrolls sample, March 1970<sup>1</sup>**

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total .....	157,600	30,464,000	43
Mining .....	2,200	301,000	49
Contract construction ....	16,000	778,000	25
Manufacturing .....	46,000	12,025,000	61
Transportation and public utilities:			
Railroad transportation (ICC) .....	99	579,000	94
Other transportation and public utilities ...	7,100	2,126,000	56
Wholesale and retail trade..	40,000	2,828,000	19
Finance, insurance, and real estate.....	9,700	1,332,000	36
Services .....	23,300	2,423,000	21
Government:			
Federal (Civil Service Commission) <sup>2</sup> .....	3,300	2,722,000	100
State and local .....	9,900	5,350,000	54

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

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

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

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

Industry	Employees	
	Number reported	Percent of total
Total .....	11,315,500	57
Manufacturing <sup>1</sup> .....	10,441,100	53
Metal mining .....	58,200	63
Coal mining .....	58,100	42
Communication:		
Telephone .....	736,100	81
Telegraph .....	22,000	68

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

## Reliability of the employment estimates

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

**Table H. Average benchmark percent revision in employment estimates and relative errors<sup>1</sup> for average weekly hours and average hourly earnings by industry division**

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

<sup>1</sup> Relative errors relate to March 1970 data.

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

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

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

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

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

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

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

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

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.

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

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

**Table J. Errors of preliminary employment estimates**

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

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

### Reliability of job vacancy estimates

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

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

### STATISTICS FOR STATES AND AREAS

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

**Table K. Relative errors of estimates of job vacancy data**

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

<sup>1</sup> Expressed as a percent of the estimate.

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

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

## Unemployment Insurance Data

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

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

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

# Seasonal Adjustments

## SEASONAL ADJUSTMENTS

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

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

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

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December.

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

Seasonally adjusted job vacancy rates are computed by dividing the seasonally adjusted number of job vacancies by the sum of seasonally adjusted employment and job vacancies and multiplying the quotient by 100. Seasonally adjusted long-term job vacancy rates are computed by dividing the seasonally adjusted long-term job vacancies by the sum of seasonally adjusted employment and total job vacancies and multiplying the quotient by 100.

The revised seasonally adjusted series for the establishment data, except job vacancies, reflect experience through May 1971. The seasonally adjusted series for job vacancies reflect experience through April 1972. Seasonal factors to be used for current adjustment of establishment data, except job vacancies, are shown in the September 1971 *Employment and Earnings*. Seasonal factors for use in current adjustment of job vacancy data appear in the September 1972 *Employment and Earnings*. 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 1971 are published in the February 1972 *Employment and Earnings*. Revisions will be made annually as each additional year's data become available.

## ATTENTION

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

Beginning with the September 1971 and subsequent issues of *Employment and Earnings*, the national data in Sections, B, C,

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

Beginning with the February 1972 issue of *Employment and Earnings* the national job vacancy data prior to the final estimate for July 1971 have been revised to reflect current benchmark levels and supersede the data published earlier in tables E-1, E-2, and E-3.

**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)
<b>Monthly Data</b>		
All employees .	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers; women employees.	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours	Production- or nonsupervisory-worker man-hours divided by number of production or nonsupervisory workers.	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production-worker overtime man-hours divided by number of production workers.	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker man-hours.	Average, weighted by aggregate man-hours, of the average hourly earnings for component cells.
Gross average weekly earnings .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates .	The number of particular actions (e.g., quits) in reporting 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.
<b>Annual Average Data</b>		
All employees and production or nonsupervisory workers.	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate man-hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate man-hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime man-hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime man-hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings	Annual total of aggregate payrolls (production- or nonsupervisory-worker employment multiplied by weekly earnings) divided by annual aggregate man-hours.	Annual total of aggregate payrolls divided by annual aggregate man-hours.
Gross average weekly earnings .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates . .	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.
Job vacancy rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.