

# EMPLOYMENT AND EARNINGS

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

# Employment and Unemployment Developments, February 1971

Unemployment edged down in February for the second straight month, and employment also declined over the month. The unemployment rate moved down to 5.8 percent in February, compared with 6.0 percent in January and 6.2 percent in December. Most of the over-the-month decline was among youth 16 to 24 years old, primarily males.

Total employment fell 325,000, seasonally adjusted, in February, following an increase in January. Employment of full-time workers remained the same, while part-time employment dropped.

Nonfarm payroll employment also declined on a seasonally adjusted basis in February, as small gains in most service-producing industries were insufficient to offset declines in manufacturing and contract construction. The average workweek for all rank-and-file workers in private nonfarm industries as well as in manufacturing dropped over the month.

## Unemployment

The number of unemployed persons totaled 5.4 million in February, the same as in January. After allowance for usual seasonal changes, unemployment was down 185,000 over the month. Unemployment has dropped by 300,000, seasonally adjusted, since the high point reached in December. Since February 1970, the number of unemployed has risen by 1.6 million—900,000 adult men, 500,000 adult women, and 250,000 teenagers. More than two-thirds of the increase occurred among persons who had lost their last jobs.

The overall unemployment rate moved down from 6.0 percent in January to 5.8 percent in February. Since reaching a 9-year high in December 1970, the jobless rate has dropped 0.4 percentage point.

The unemployment rate for workers covered by State unemployment insurance programs, which had dropped substantially in both December and January, was unchanged over the month at 3.7 percent, seasonally adjusted, the level prevailing before the automobile strike.

Nearly half of the over-the-month decline in total unemployment occurred among teenagers, whose rate moved down from 17.6 to 16.7 percent. The improvement in teenage unemployment occurred primarily among males.

Jobless rates for adult men (4.2 percent) and for married men (3.2 percent) were essentially unchanged over the month. However, the rate for men 20 to 24 years old, at 9.7 percent, moved down to its lowest point in 6 months. The unemployment rate for adult women (5.6 percent) was not significantly changed from the January level. Jobless rates for these groups have all moved down from their high December levels.

Most of the decline in unemployment occurred among workers seeking part-time jobs. The unemployment rate for part-time workers edged down to 8.7 percent in February, largely reflecting a substantial drop in the part-time labor force. The rate for full-time workers remained about unchanged at 5.4 percent.

The jobless rate for whites, which had risen almost steadily since late 1969, fell to 5.3 percent in February from 5.6 percent in January. The over-the-month decline occurred primarily among white youth. There was no change in the jobless rate for Negroes (9.6 percent) in February.

Unemployment among jobseekers re-entering the labor force fell from 1.5 to 1.3 million over the month, seasonally adjusted, marking the first decline for this group since last October. The number of persons whose unemployment stemmed from job loss was unchanged, following a sharp decline in January.

The average (mean) duration of joblessness remained at 10.4 weeks (seasonally adjusted), although there was a decline among persons unemployed less than 5 weeks (165,000) and a rise in the number unemployed 27 weeks and over. At 455,000 (seasonally adjusted), the number of persons unemployed 27 weeks or more was at its highest level since September 1964.

Jobless rates were little changed over the month for most major occupation groups. However, the rate for professional and technical workers, at 3.3 percent, continued to inch up and was at the highest point since the series began on a monthly basis in 1958. On the other hand, the rate for craftsmen and foremen dropped from 5.1 to 4.3 percent.

On an industry basis, the jobless rate for manufacturing workers moved down to 6.8 percent in February. Most of the decline was among workers in the nondurable goods industries. The jobless rate for workers in transportation and public utilities, at 4.0 percent, also showed a decline, after rising steadily since last October. For construction workers, the unemployment rate was about unchanged at 11.0 percent.

#### Civilian labor force and total employment

The civilian labor force normally rises substantially between January and February. This February, however, there was virtually no increase in the number of persons in the labor force, which remained at 82.7 million. After seasonal adjustment, the civilian labor force was down 510,000—240,000 adult men, 210,000 adult women, and 60,000 teenagers. Nearly all of the decline occurred among part-time workers.

Total employment, at 77.3 million, also remained unchanged in February, although employment usually rises at this time of year. As a result, after seasonal adjustment, total employment was down 325,000 over the month, entirely among part-time workers.

Adult men accounted for the bulk of the over-the-month employment decline. At 45.2 million (seasonally adjusted) in February, employment of adult men was at its lowest level

in 2 years and 435,000 below the alltime peak reached in March 1970. Employment of adult women was 27.1 million in February, down from the record January level but well above the 1970 low (26.6 million) reached in May.

#### Industry payroll employment

The number of persons on nonagricultural payrolls, at 69.5 million in February, was down 120,000 over the month, although it usually shows little change between January and February. After seasonal adjustment, payroll employment declined by 95,000 but would have dropped more except for the net return to work of 30,000 strikers. Compared with February 1970, the number of payroll jobs was down by 570,000.

Over-the-month declines in manufacturing (75,000) and in contract construction (70,000) were only partly offset by small increases in other major industries. At 18.7 million, seasonally adjusted, manufacturing employment has dropped by 105,000 since its December recovery from the automobile strike. With the exception of the October-November 1970 strike period, manufacturing employment was at its lowest level since January 1966. Over the year, manufacturing jobs have declined by 1.2 million.

The over-the-month decline in manufacturing occurred among both durable and nondurable goods industries. Durable goods employment fell by 35,000, seasonally adjusted, as small declines were registered in 8 of the 11 industries. In the nondurable goods industries, employment fell by 40,000 in February. All of the nondurable industries except rubber products showed employment decreases, with the largest taking place in apparel and chemicals.

The decline in contract construction may have been related to unusually bad weather in some parts of the country in February. Over the year, construction employment was down by 270,000 or 8.7 percent.

Employment in the service-producing industries rose by 55,000 (seasonally adjusted) over the month to a record 48.0 million. The largest increase took place in State and local government (35,000). Other job gains were recorded in transportation and public utilities (15,000)

and in trade and services (10,000 each), although the rise in transportation and public utilities resulted entirely from strike settlements in the industry. Compared with February 1970, jobs in the service-producing industries have increased by 900,000, providing a partial offset to the 1.5 million drop in the goods sector.

#### Hours of work

The average workweek for all rank-and-file workers on private nonagricultural payrolls fell by 0.2 hour in February to 36.9 hours, seasonally adjusted. Part of this decline is attributable to bad weather conditions and a holiday weekend in mid-month. The decline was dominated by sharp drops in manufacturing and contract construction. The over-the-month reduction brought average hours back to the low levels recorded during the period of the automobile strike. Compared with February 1970, the workweek was down by 0.4 hour.

At 39.4 hours, seasonally adjusted, the manufacturing workweek was 0.4 hour below both the January level and the pre-strike level of August. Declines took place in more than half of the manufacturing industries. In the durable goods sector, the workweek cutbacks were particularly marked in electrical equipment, fabricated

metals, and miscellaneous manufacturing, whereas in nondurable goods, the sharpest declines took place in tobacco, apparel, and leather.

Average factory overtime edged up over the month to 2.8 hours (seasonally adjusted). Since February 1970, however, factory overtime has fallen by four-tenths of an hour.

#### Earnings

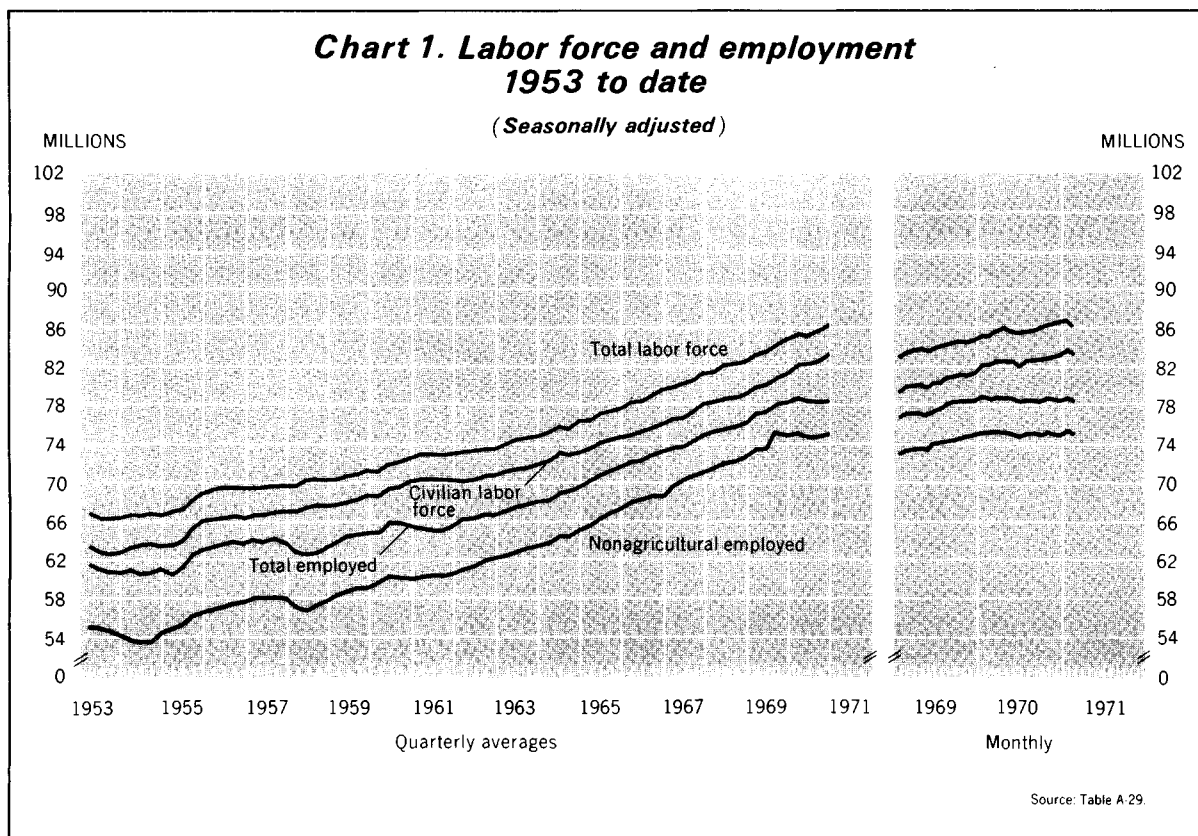
Average hourly earnings of rank-and-file workers on private payrolls were \$3.34 in February, up 1 cent from January. Hourly earnings were 19 cents, or 6.0 percent, above the year-ago level.

Average weekly earnings were essentially unchanged over the month at \$122.24. Within the private sector, increases in the service-producing industries were countered by declines in the goods industries. Compared with February 1970, weekly earnings were up by \$5.69, or 4.9 percent.

Over the year ending in January 1971, average weekly earnings rose by 5.2 percent. During the same period, however, consumer prices advanced by an identical amount. As a consequence, after adjustment for consumer price changes, real earnings were unchanged from January 1970.

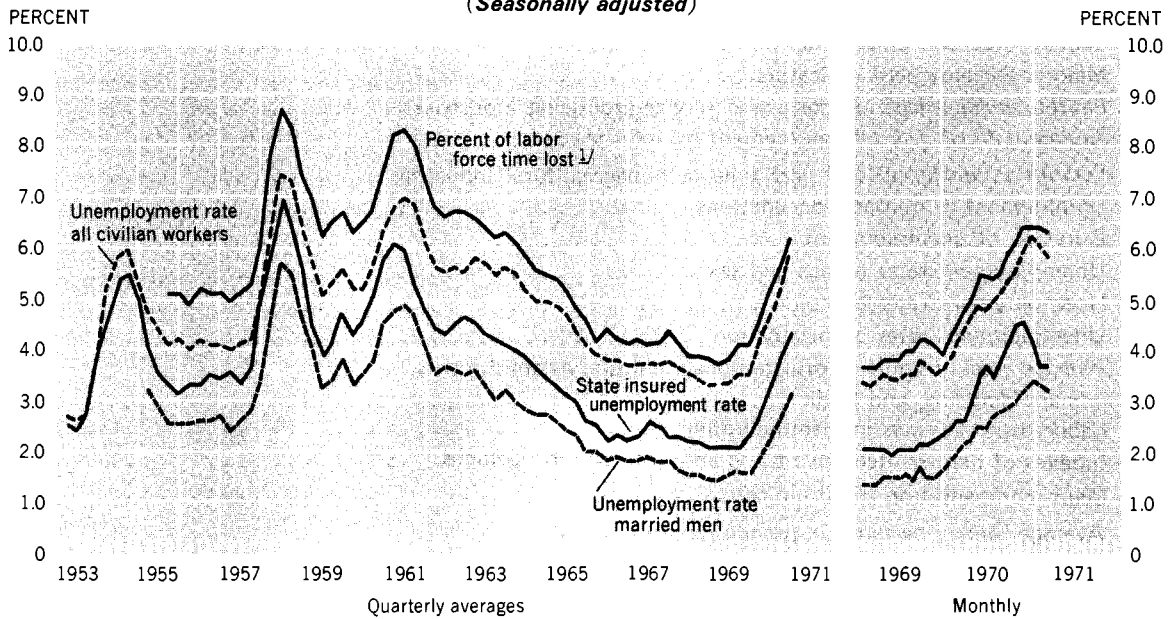
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**Chart 2. Major unemployment indicators  
1953 to date**

(Seasonally adjusted)

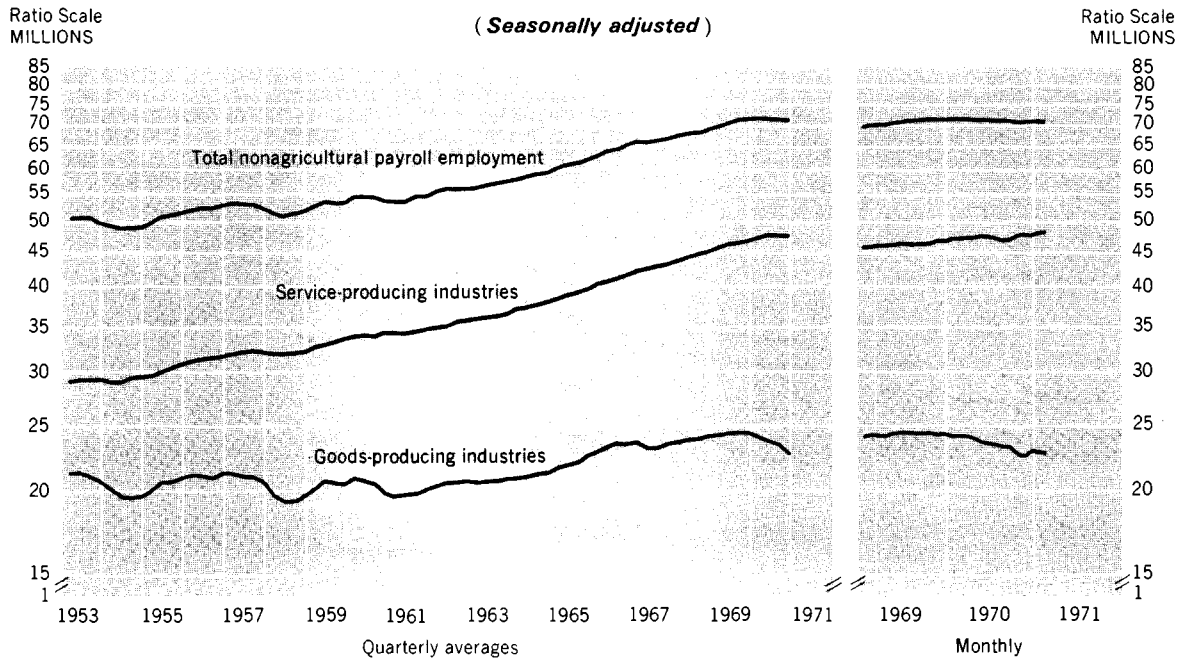


1/ Series revised beginning 1963 to reflect whether unemployed persons sought full- or part-time jobs.

Source: Table A-33.

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

(Seasonally adjusted)

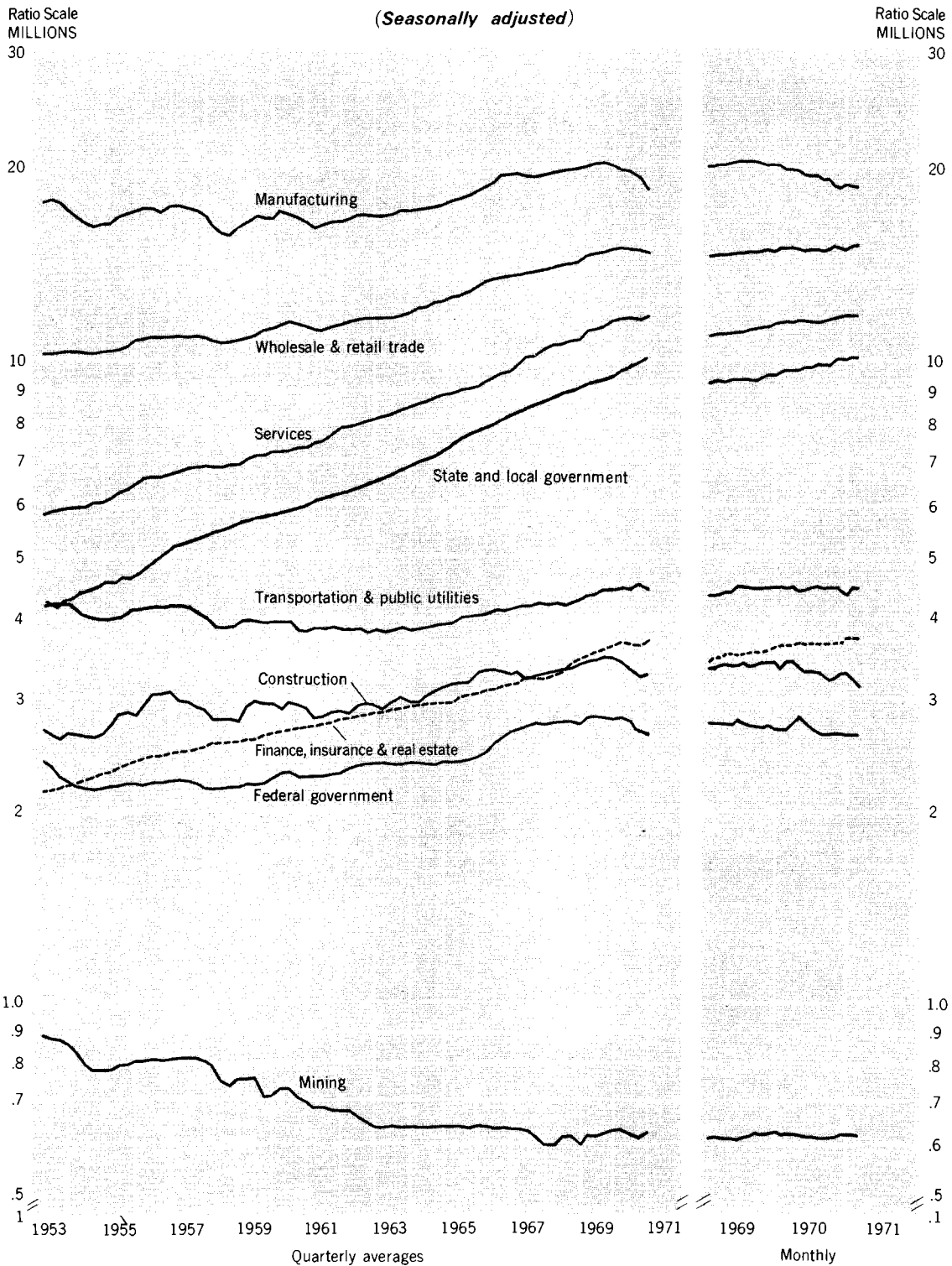


Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

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

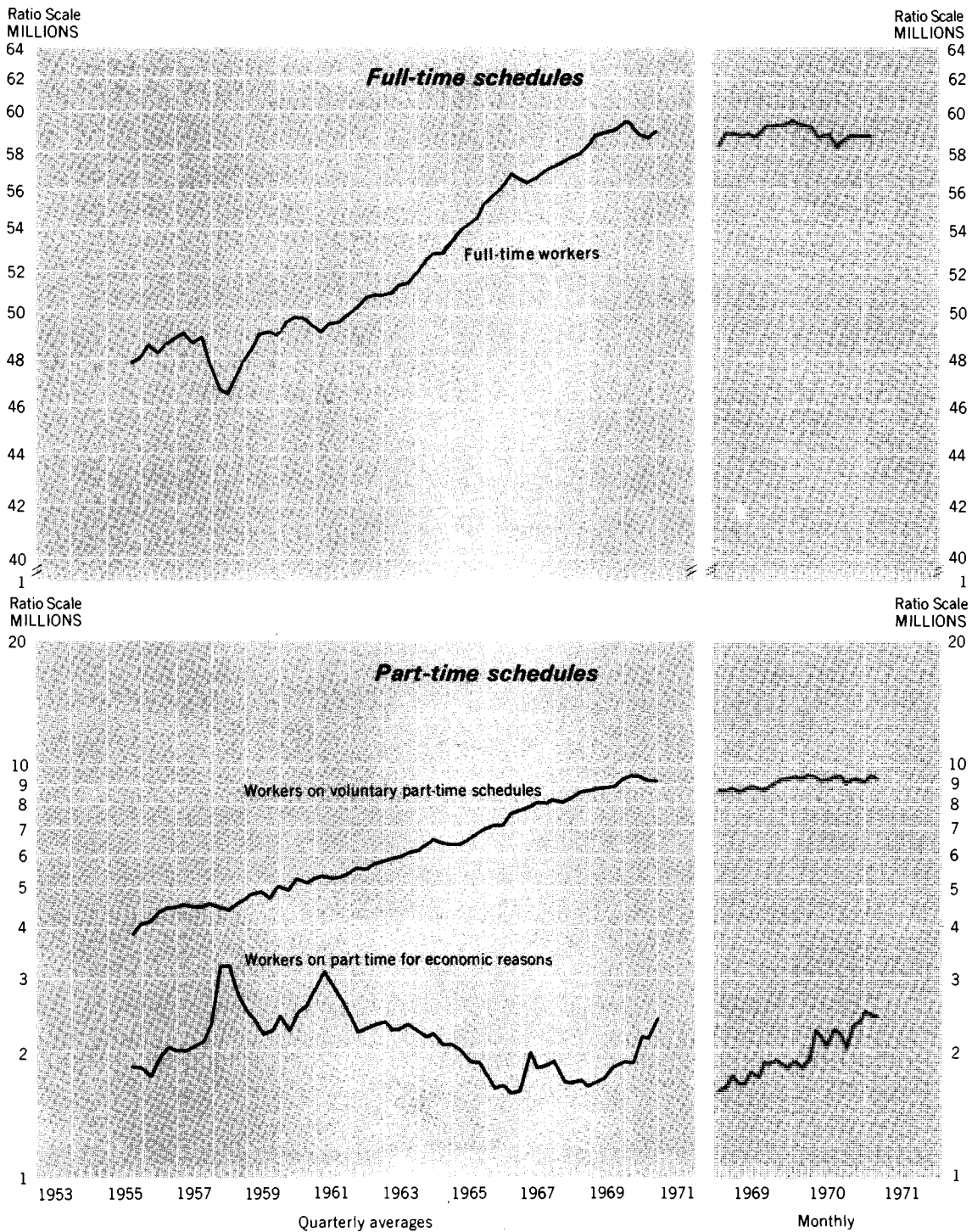
(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

**Chart 5. Persons at work full and part time  
in nonagricultural industries  
1955 to date**  
(Seasonally adjusted)



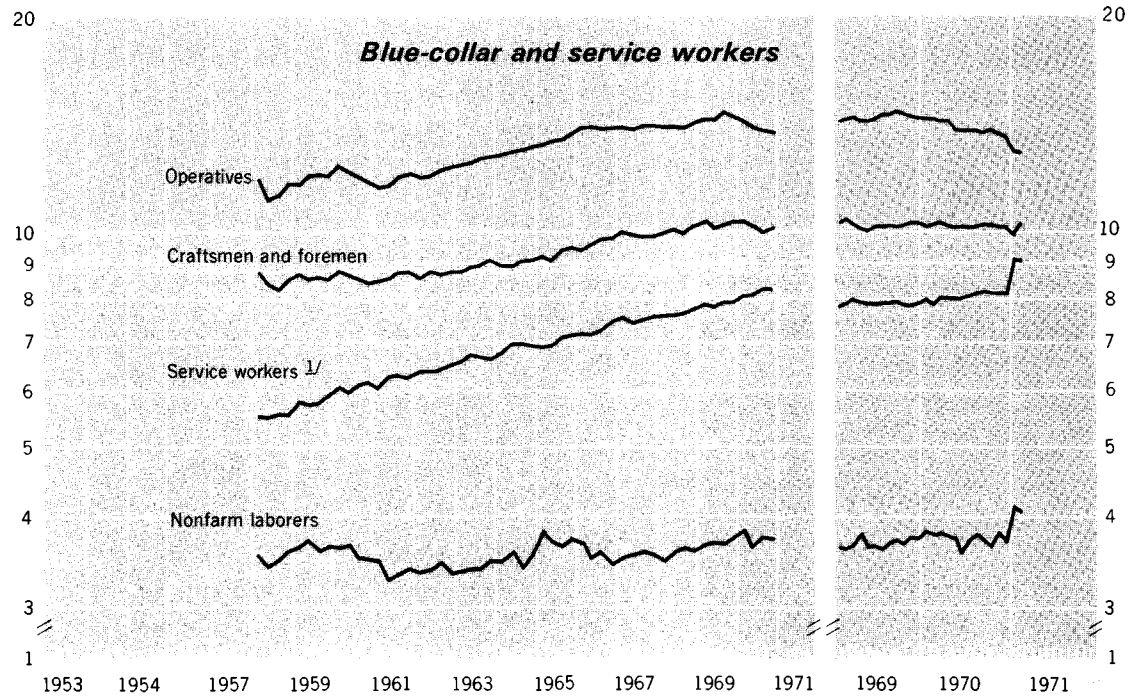
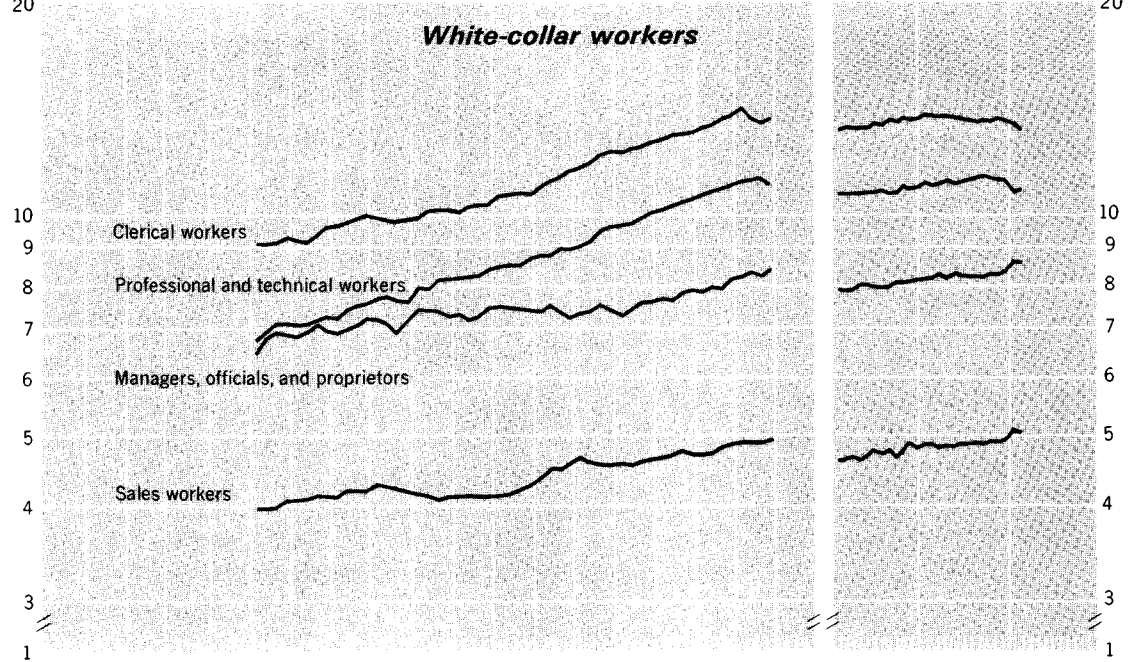
Source: Table A-29 and unpublished data.



**Chart 6. Employment in nonfarm occupations  
1958 to date**  
(Seasonally adjusted)

Ratio Scale  
MILLIONS  
20

Ratio Scale  
MILLIONS  
20

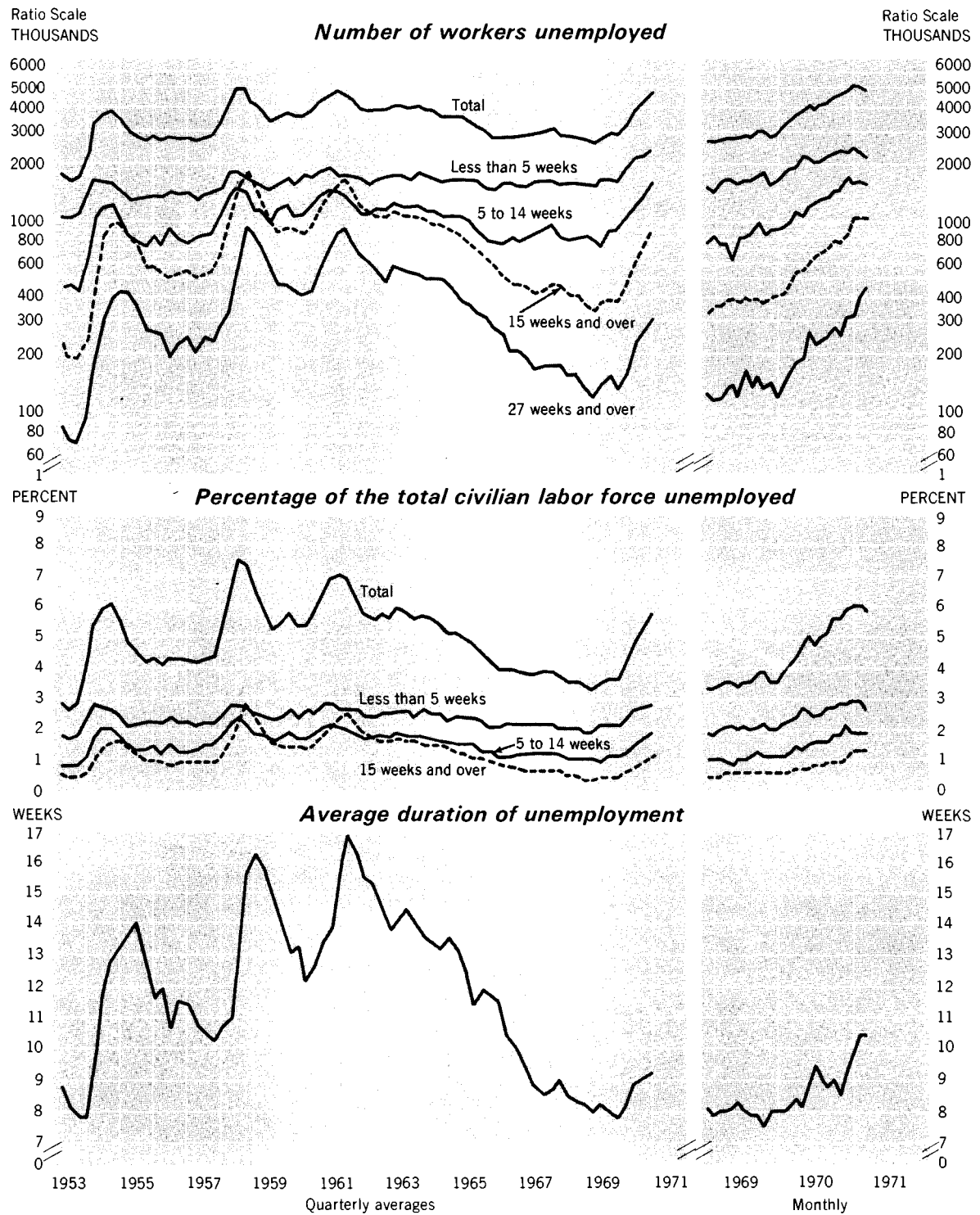


⌋ Excludes private household workers.

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.

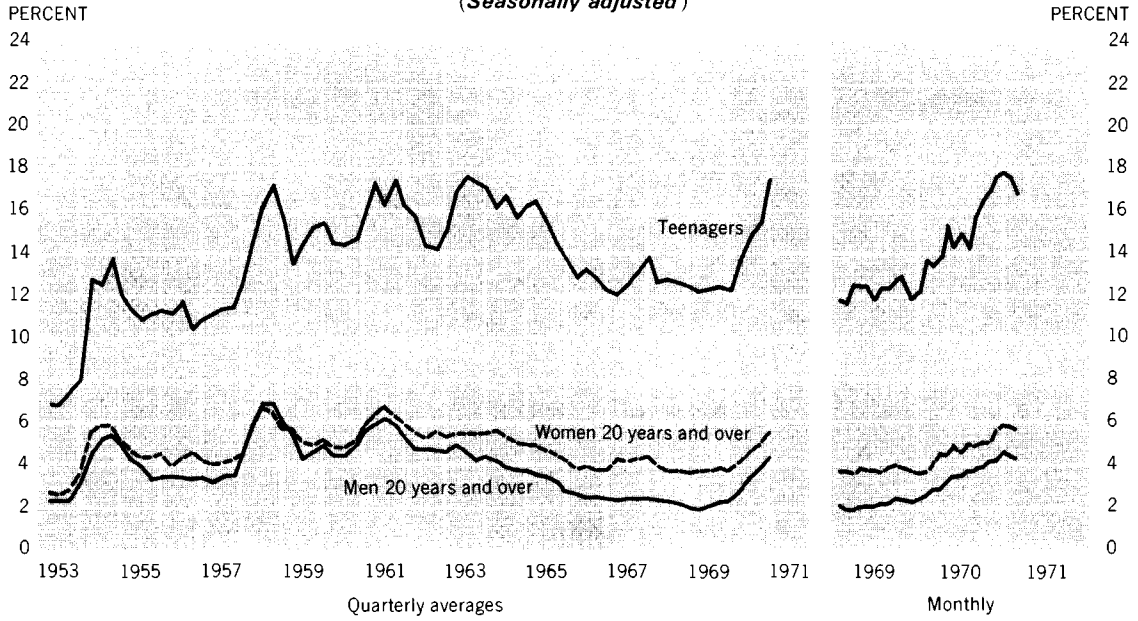
**Chart 7. Duration of unemployment**  
**1953 to date**  
*(Seasonally adjusted)*



Source: Table A-32.

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

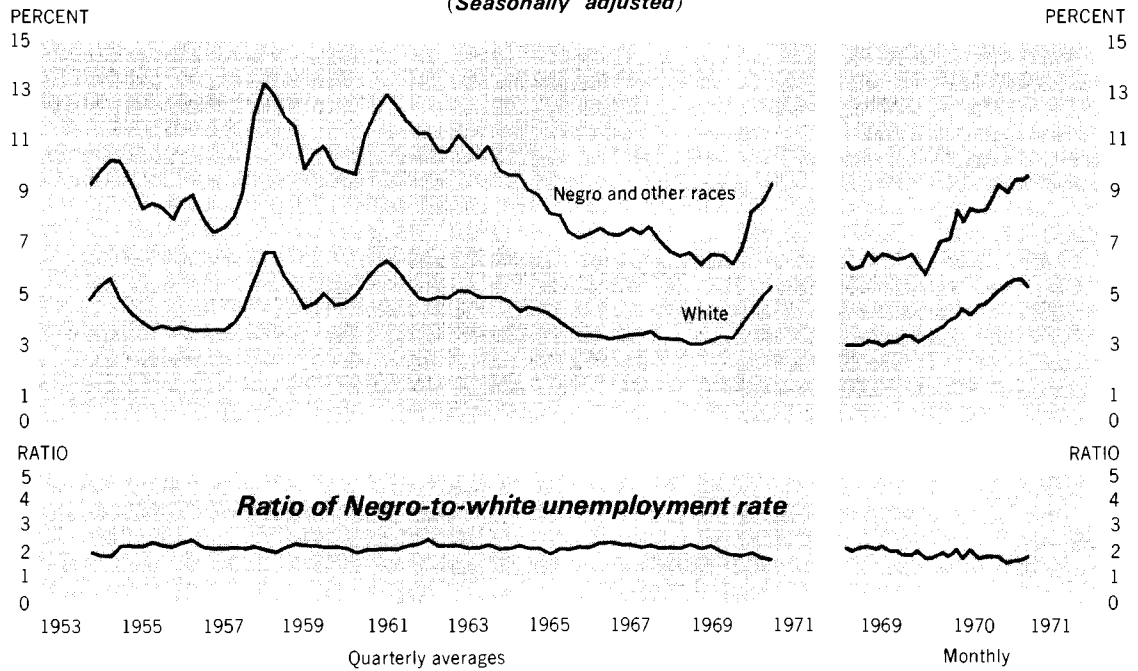
(Seasonally adjusted)



Source: Table A.33.

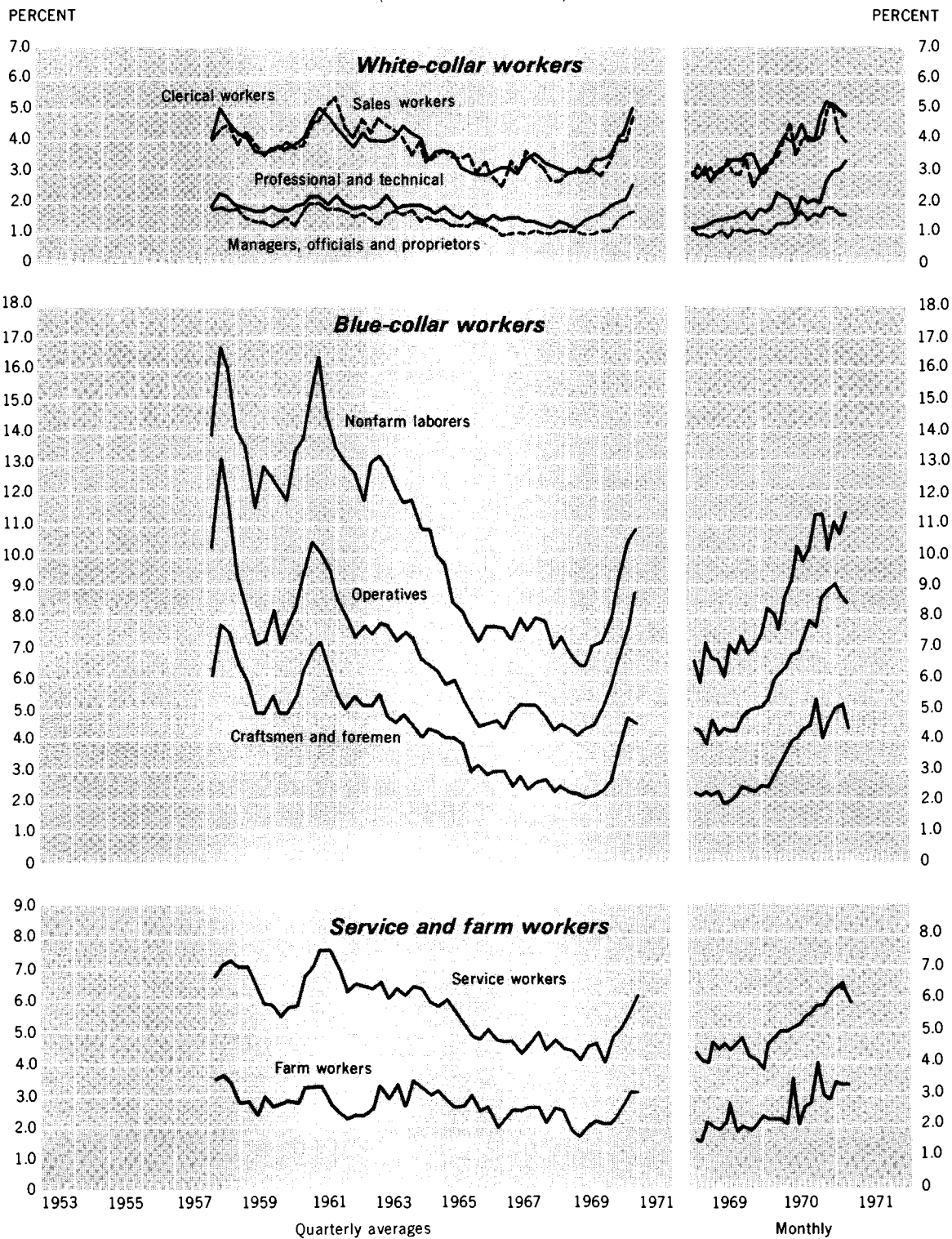
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1954 to date**

(Seasonally adjusted)



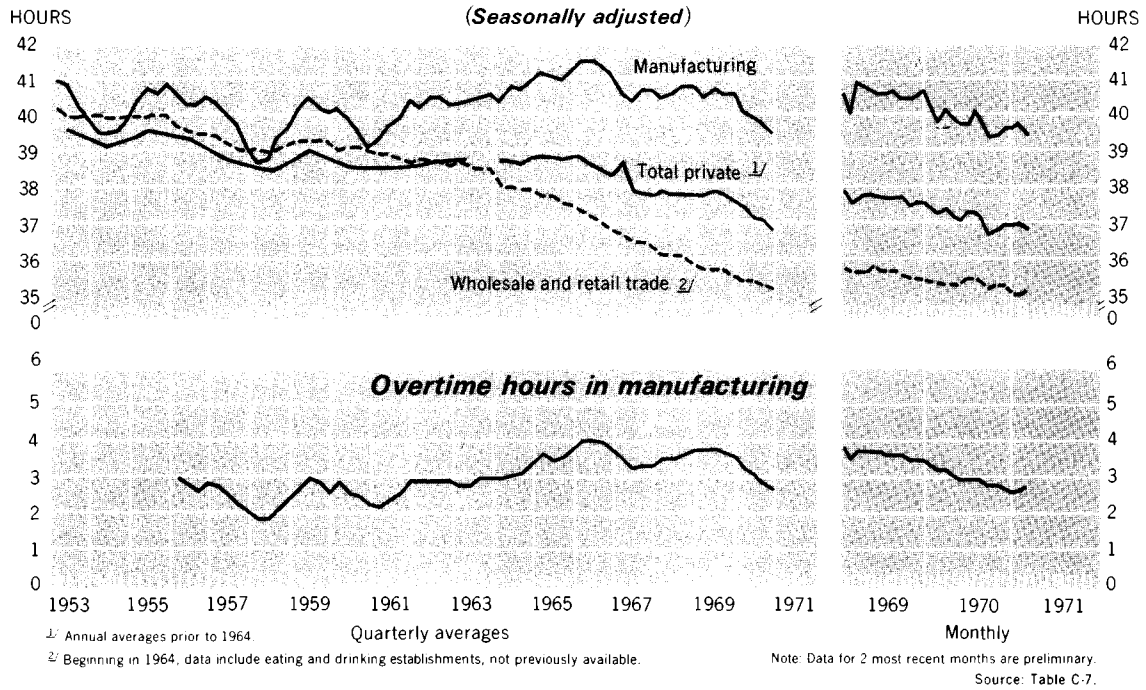
Source: Table A.31.

**Chart 10. Unemployment rates by occupation**  
**1958 to date**  
*(Seasonally adjusted)*

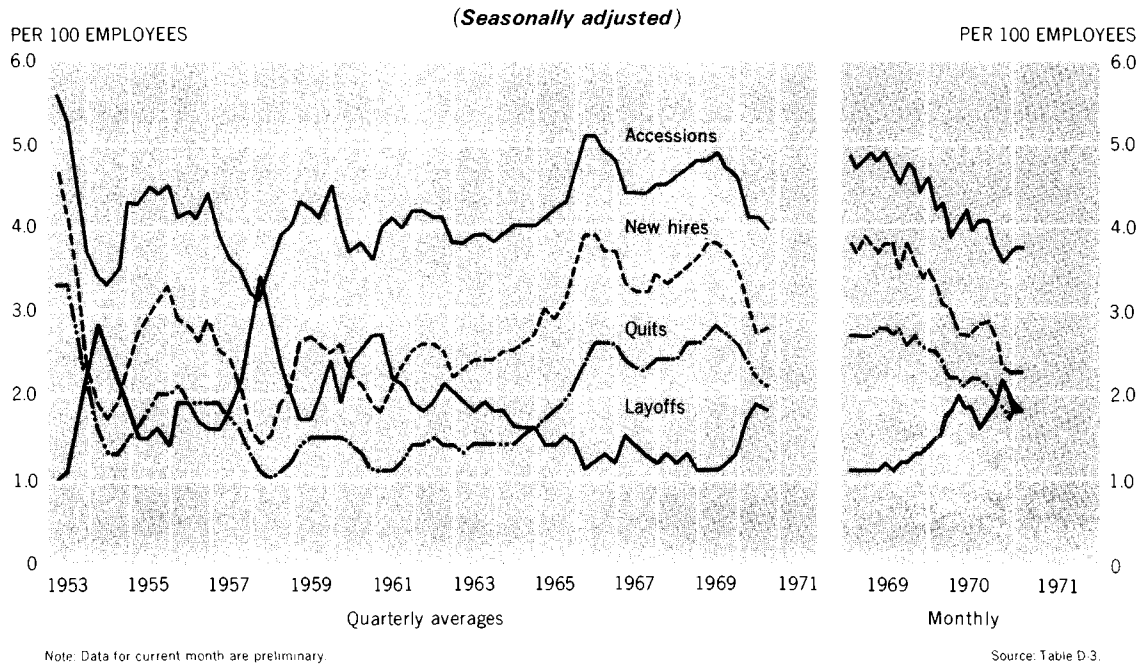


Source: Table A-33.

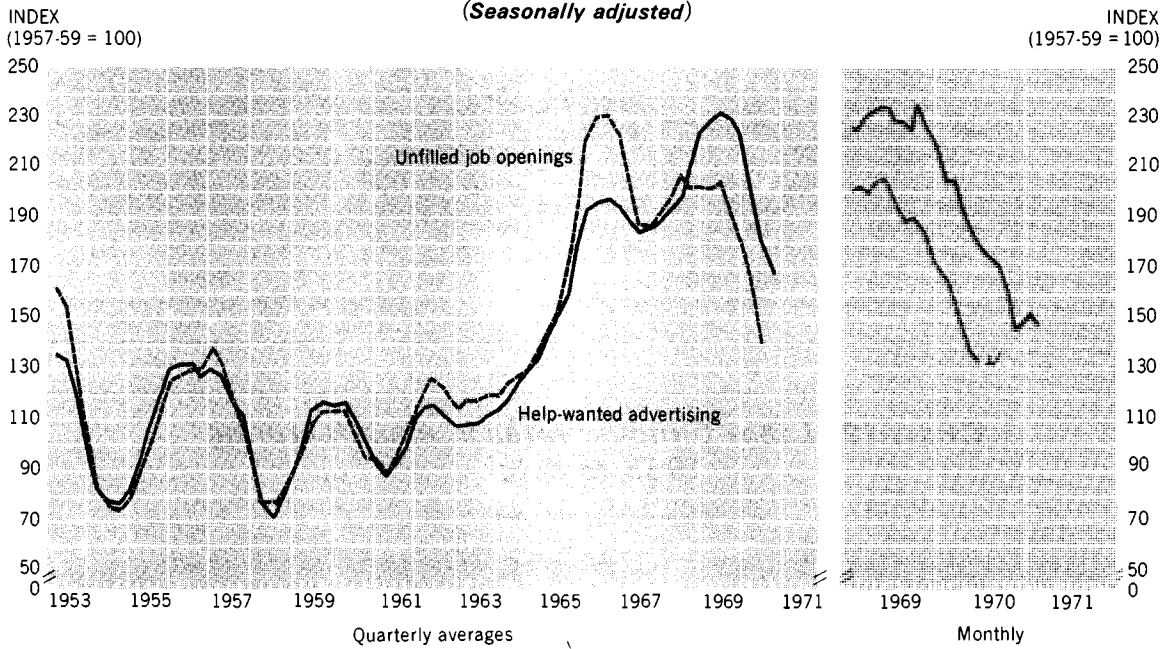
**Chart 11. Average weekly hours in private nonagricultural establishments, manufacturing, and trade 1953 to date**  
(Seasonally adjusted)



**Chart 12. Labor turnover rates in manufacturing 1953 to date**  
(Seasonally adjusted)



**Chart 13. Indexes of help-wanted advertising and unfilled job openings  
1953 to date**



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

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

# Chart 14. Major compensation trend indicators

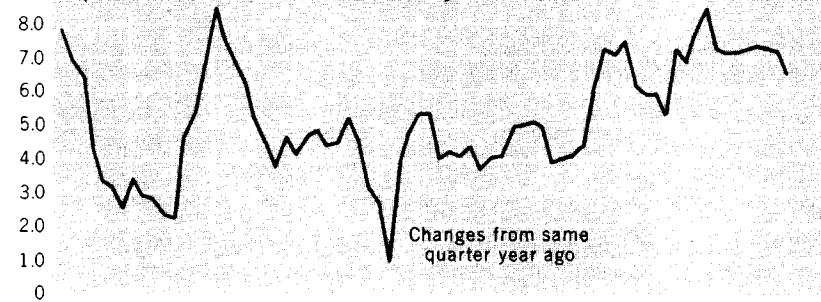
1953 to date

(Seasonally adjusted, at annual rates)

PERCENT CHANGE

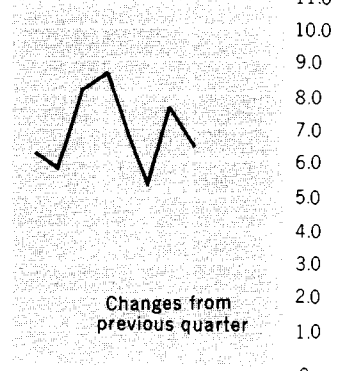
11.0  
10.0  
9.0  
8.0  
7.0  
6.0  
5.0  
4.0  
3.0  
2.0  
1.0  
0

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



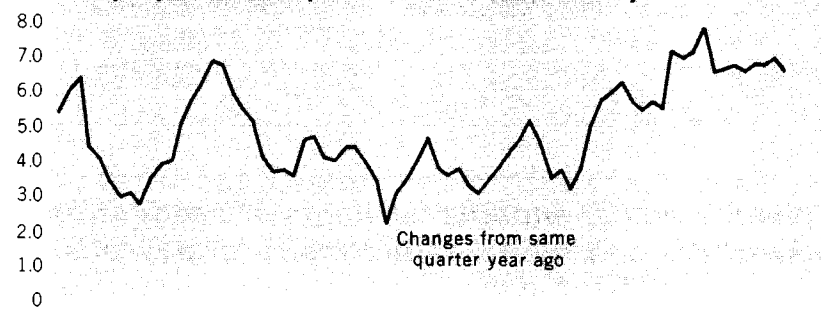
PERCENT CHANGE

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

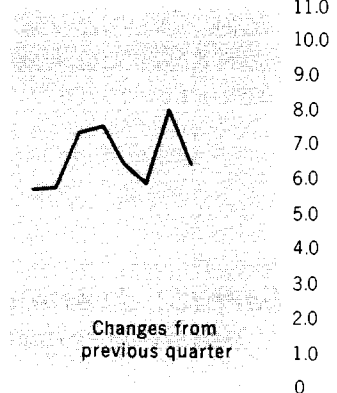


11.0  
10.0  
9.0  
8.0  
7.0  
6.0  
5.0  
4.0  
3.0  
2.0  
1.0  
0

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

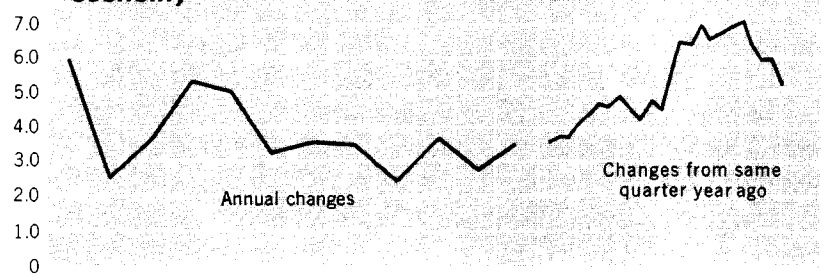


11.0  
10.0  
9.0  
8.0  
7.0  
6.0  
5.0  
4.0  
3.0  
2.0  
1.0  
0

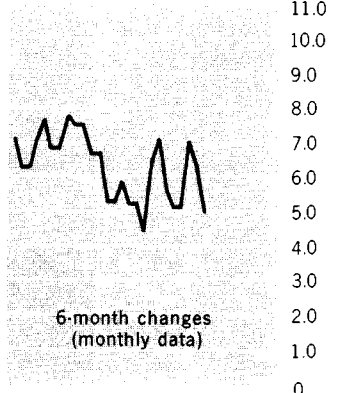


11.0  
10.0  
9.0  
8.0  
7.0  
6.0  
5.0  
4.0  
3.0  
2.0  
1.0  
0

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



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

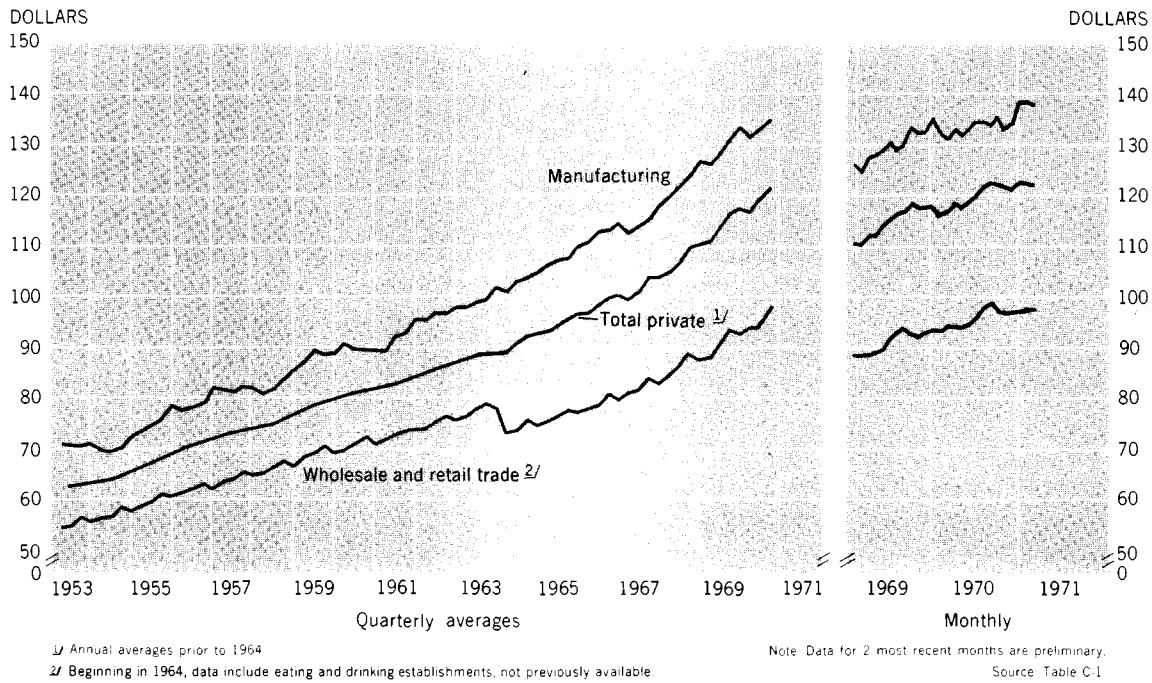


1953 1955 1957 1959 1961 1963 1965 1967 1969 1971

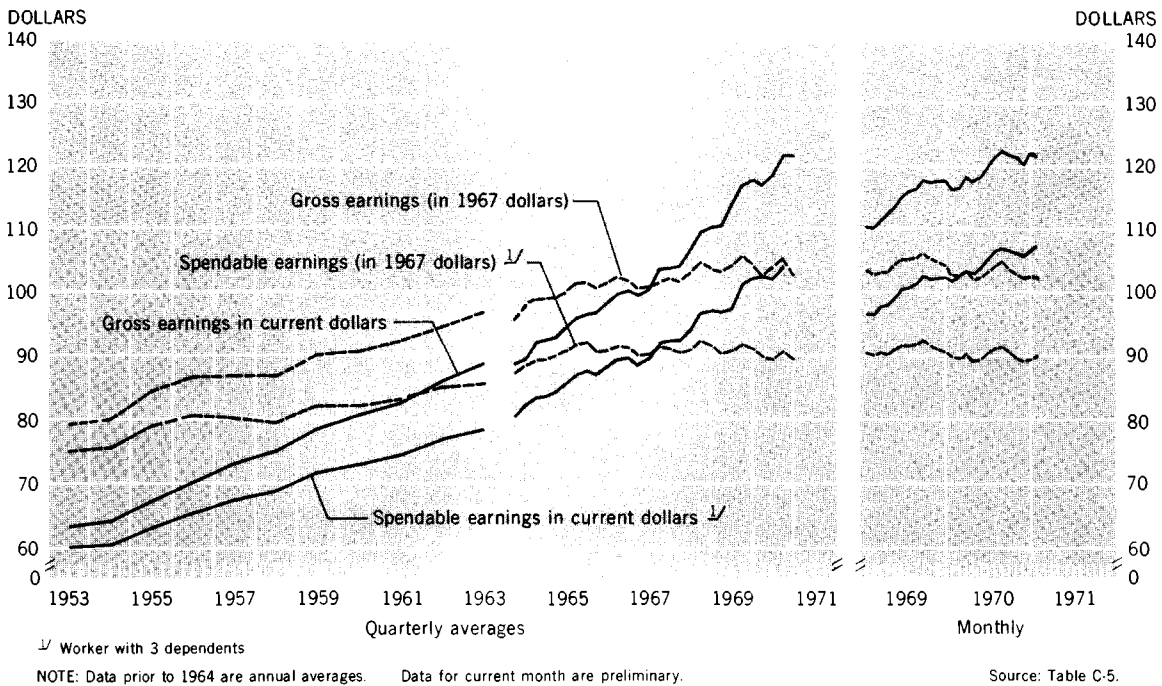
1969 1970 1971



**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**

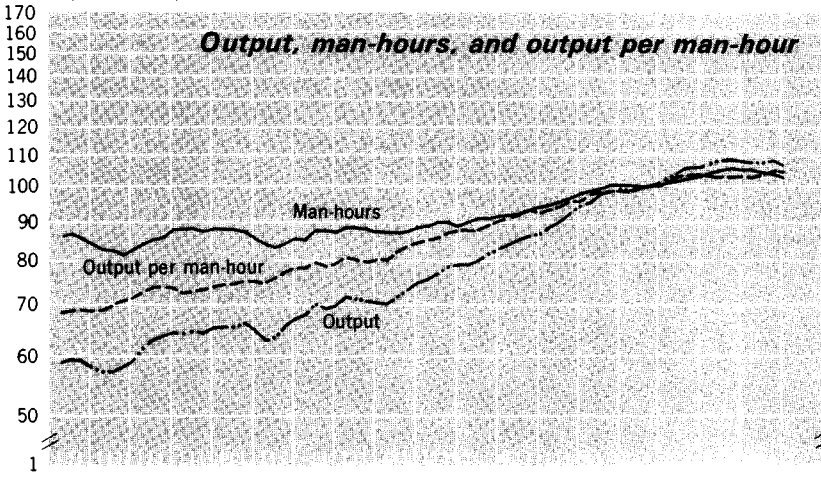




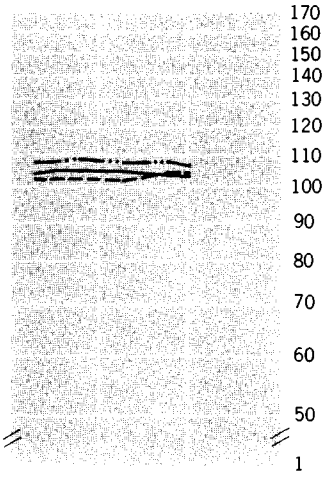
**Chart 17. Indexes of output per man-hour, hourly compensation, and unit labor costs in the private nonfarm economy  
1953 to date**

(Seasonally adjusted quarterly averages)

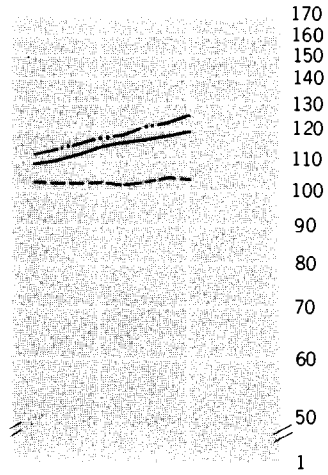
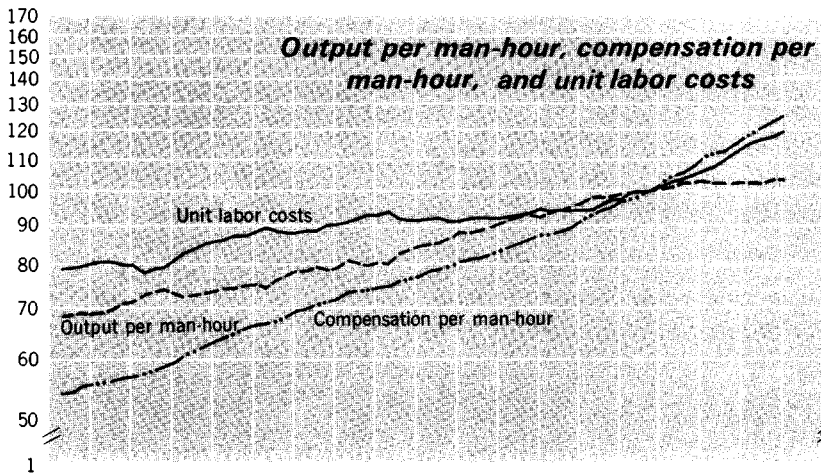
RATIO SCALE  
INDEX (1967 = 100)



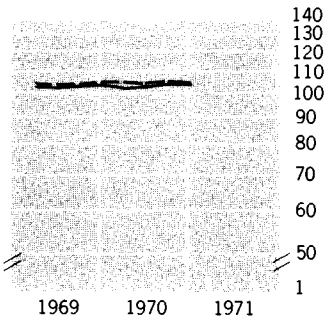
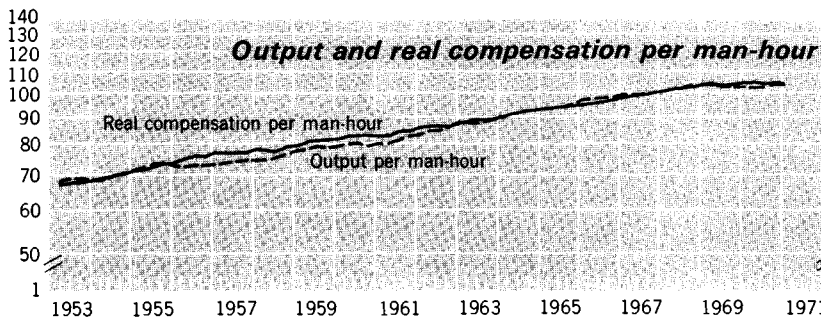
RATIO SCALE  
INDEX (1967 = 100)



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



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



Source: Table C-10.

HOUSEHOLD DATA

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<sup>1</sup> Included in February, May, August, and November issues.

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

(In thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		Percent of labor force	
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(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	9,300	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	55,721	2,852	4.4	-	44,660
1956.....	113,811	69,409	61.0	66,552	63,802	6,283	57,517	2,750	4.1	-	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	-	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	-	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	-	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	-	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	-	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	-	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	-	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	-	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	-	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	-	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	-	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	-	53,291
1969.....	137,841	84,239	61.1	80,733	77,902	3,606	74,296	2,831	3.5	-	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	-	54,280
1970: February.....	139,298	84,625	60.8	81,283	77,489	2,994	74,495	3,794	4.7	4.2	54,673
June.....	140,046	87,230	62.3	84,050	79,382	4,208	75,174	4,669	5.6	4.8	52,816
July.....	140,259	87,955	62.7	84,801	80,291	4,118	76,173	4,510	5.3	5.0	52,304
August.....	140,468	87,248	62.1	84,115	79,894	3,782	76,112	4,220	5.0	5.1	53,220
September.....	140,675	85,656	60.9	82,547	78,256	3,525	74,730	4,292	5.2	5.4	55,019
October.....	140,886	86,255	61.2	83,175	78,916	3,394	75,522	4,259	5.1	5.5	54,631
November.....	141,091	86,386	61.2	83,347	78,741	3,226	75,515	4,607	5.5	5.9	54,705
December.....	141,301	86,165	61.0	83,152	78,516	2,952	75,564	4,636	5.6	6.2	55,137
1971: January.....	141,500	85,628	60.5	82,652	77,238	2,877	74,361	5,414	6.6	6.0	55,872
February.....	141,670	85,653	60.5	82,703	77,262	2,846	74,415	5,442	6.6	5.8	56,017

<sup>1</sup>Not available.

HOUSEHOLD DATA

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

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	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	37,356	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,854	1,403	2.8	-	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	-	13,066
1970: February.....	67,009	53,481	79.8	50,178	48,000	2,546	45,454	2,178	4.3	3.6	13,528
October.....	67,730	54,054	79.8	51,015	48,777	2,771	46,006	2,238	4.4	5.1	13,676
November.....	67,824	54,068	79.7	51,069	48,635	2,664	45,971	2,434	4.8	5.2	13,756
December.....	67,920	54,089	79.6	51,117	48,341	2,506	45,835	2,776	5.4	5.6	13,831
1971: January.....	68,009	53,873	79.2	50,938	47,686	2,456	45,230	3,252	6.4	5.4	14,136
February.....	68,085	53,832	79.1	50,922	47,686	2,424	45,262	3,236	6.4	5.2	14,254
<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.....	54,233	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	18,365	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8	-	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	-	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	-	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	-	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	-	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	-	38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	-	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	-	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	-	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	-	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	-	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	-	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	-	40,976
1969.....	71,476	30,551	42.7	30,512	29,084	643	28,441	1,428	4.7	-	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	-	41,214
1970: February.....	72,289	31,143	43.1	31,105	29,489	448	29,041	1,616	5.2	5.1	41,146
October.....	73,156	32,201	44.0	32,161	30,139	623	29,516	2,021	6.3	6.3	40,955
November.....	73,267	32,318	44.1	32,278	30,106	562	29,544	2,173	6.7	7.0	40,949
December.....	73,381	32,076	43.7	32,035	30,175	447	29,728	1,860	5.8	7.1	41,305
1971: January.....	73,490	31,754	43.2	31,714	29,552	421	29,131	2,162	6.8	6.9	41,736
February.....	73,585	31,821	43.2	31,781	29,575	422	29,153	2,206	6.9	6.8	41,763

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

February 1971  
(In thousands)

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>MALE</b>											
16 years and over .....	53,832	79.1	50,922	47,686	3,236	6.4	14,254	275	4,784	1,534	7,661
16 to 21 years .....	6,722	60.0	5,560	4,621	939	16.9	4,476	21	4,069	30	357
16 to 19 years .....	3,979	51.9	3,641	2,988	654	18.0	3,684	16	3,413	14	240
16 and 17 years .....	1,608	40.8	1,577	1,279	298	18.9	2,329	6	2,202	4	117
18 and 19 years .....	2,371	63.6	2,064	1,709	355	17.2	1,354	10	1,210	11	123
20 to 64 years .....	47,866	91.6	45,295	42,802	2,493	5.5	4,406	89	1,370	943	2,004
20 to 24 years .....	7,342	83.7	5,815	5,085	730	12.6	1,427	7	1,131	38	251
25 to 54 years .....	33,392	95.8	32,351	30,929	1,421	4.4	1,456	52	235	475	695
25 to 29 years .....	6,593	95.4	6,221	5,839	382	6.1	319	4	164	46	104
30 to 34 years .....	5,552	97.7	5,297	5,066	231	4.4	130	3	23	38	66
35 to 39 years .....	5,209	96.9	4,967	4,768	199	4.0	167	13	24	55	75
40 to 44 years .....	5,504	96.4	5,393	5,177	216	4.0	206	11	9	74	113
45 to 49 years .....	5,585	95.4	5,542	5,333	209	3.8	267	6	5	107	149
50 to 54 years .....	4,950	93.1	4,930	4,746	184	3.7	368	14	10	155	189
55 to 64 years .....	7,133	82.4	7,129	6,788	341	4.8	1,523	30	3	430	1,059
55 to 59 years .....	4,229	89.1	4,225	4,017	209	4.9	517	7	3	204	302
60 to 64 years .....	2,904	74.3	2,904	2,771	132	4.6	1,006	23	--	226	757
65 years and over .....	1,986	24.4	1,986	1,896	89	4.5	6,164	169	1	577	5,417
65 to 69 years .....	1,179	38.0	1,179	1,107	72	6.1	1,921	36	--	177	1,708
70 years and over .....	806	16.0	806	789	17	2.2	4,243	134	1	400	3,708
<b>White</b>											
16 years and over .....	48,418	79.5	45,831	43,108	2,723	5.9	12,452	219	4,117	1,226	6,890
16 to 21 years .....	5,950	61.3	4,917	4,152	764	15.5	3,763	12	3,465	22	263
16 to 19 years .....	3,552	53.5	3,250	2,718	532	16.4	3,088	13	2,891	10	174
16 and 17 years .....	1,450	42.6	1,422	1,173	249	17.5	1,953	5	1,856	4	88
18 and 19 years .....	2,102	64.9	1,828	1,545	283	15.5	1,135	8	1,035	6	86
20 to 64 years .....	43,053	92.0	40,768	38,660	2,108	5.2	3,720	62	1,225	736	1,697
20 to 24 years .....	6,466	84.0	5,098	4,497	601	11.8	1,230	1	1,012	29	188
25 to 54 years .....	30,059	96.4	29,145	27,947	1,198	4.1	1,135	33	210	352	539
25 to 34 years .....	10,817	96.8	10,269	9,753	516	5.0	361	2	170	62	127
35 to 39 years .....	9,637	97.2	9,330	8,994	336	3.6	276	13	30	94	139
40 to 44 years .....	9,605	95.1	9,547	9,201	346	3.6	497	17	11	196	273
55 to 64 years .....	6,528	82.8	6,525	6,215	309	4.7	1,354	28	3	355	969
55 to 59 years .....	3,867	89.7	3,864	3,675	189	4.9	445	6	3	166	270
60 to 64 years .....	2,661	74.5	2,661	2,541	120	4.5	910	22	--	189	699
65 years and over .....	1,813	24.3	1,813	1,730	83	4.6	5,645	145	1	480	5,019
<b>Negro and other races</b>											
16 years and over .....	5,414	75.0	5,091	4,579	513	10.1	1,801	55	667	308	771
16 to 21 years .....	772	52.0	643	468	175	27.2	713	9	603	7	93
16 to 19 years .....	428	41.8	392	270	122	31.0	596	4	522	4	66
16 and 17 years .....	158	29.6	155	106	49	31.6	376	2	346	--	28
18 and 19 years .....	270	55.1	236	164	72	30.7	220	2	176	4	37
20 to 64 years .....	4,814	87.5	4,528	4,143	385	8.5	686	27	145	207	307
20 to 24 years .....	876	81.7	718	588	130	18.1	197	5	120	9	62
25 to 54 years .....	3,333	91.2	3,206	2,982	223	7.0	321	19	25	122	155
25 to 34 years .....	1,328	93.8	1,250	1,153	97	7.8	87	5	18	21	43
35 to 44 years .....	1,075	91.8	1,030	951	79	7.7	96	10	3	35	48
45 to 54 years .....	930	87.1	925	878	47	5.1	137	3	4	66	64
55 to 64 years .....	605	78.2	605	573	32	5.3	169	2	--	76	90
55 to 59 years .....	362	83.4	361	342	20	5.4	72	1	--	38	32
60 to 64 years .....	243	71.5	243	231	12	5.0	97	1	--	38	58
65 years and over .....	172	24.9	172	166	6	3.5	519	24	--	97	398

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

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>FEMALE</b>											
16 years and over .....	31,821	43.2	31,781	29,575	2,206	6.9	41,763	34,860	4,575	908	1,420
16 to 21 years .....	4,944	44.9	4,925	4,207	718	14.6	6,058	1,676	4,190	23	168
16 to 19 years .....	2,987	39.8	2,504	2,504	473	15.9	4,524	771	3,621	15	117
16 and 17 years .....	1,150	29.8	1,150	976	174	15.1	2,703	188	2,447	6	61
18 and 19 years .....	1,837	50.2	1,828	1,529	299	16.4	1,821	583	1,174	9	56
20 to 64 years .....	27,793	50.5	27,763	26,066	1,697	6.1	27,219	25,261	951	321	686
20 to 24 years .....	4,952	56.9	4,933	4,439	494	10.0	3,758	2,899	736	15	108
25 to 54 years .....	18,567	50.8	18,556	17,498	1,058	5.7	17,979	17,214	209	161	395
25 to 29 years .....	3,252	46.4	3,248	2,980	268	8.3	3,758	3,587	92	18	60
30 to 34 years .....	2,657	45.3	2,655	2,470	185	7.0	3,208	3,109	37	15	47
35 to 39 years .....	2,866	51.4	2,865	2,713	152	5.3	2,714	2,590	34	19	70
40 to 44 years .....	3,240	53.8	3,239	3,054	185	5.7	2,777	2,661	22	34	60
45 to 49 years .....	3,473	55.2	3,472	3,317	155	4.5	2,816	2,688	23	29	76
50 to 54 years .....	3,078	53.2	3,078	2,964	113	3.7	2,706	2,578	1	46	81
55 to 64 years .....	4,274	43.8	4,274	4,129	145	3.4	5,483	5,149	6	145	183
55 to 59 years .....	2,584	49.2	2,583	2,495	88	3.4	2,664	2,509	6	67	82
60 to 64 years .....	1,691	37.5	1,691	1,634	57	3.3	2,818	2,640	--	78	101
65 years and over .....	1,041	9.4	1,041	1,005	36	3.4	10,021	8,827	4	572	618
65 to 69 years .....	624	16.6	624	597	26	4.2	3,138	2,939	1	72	127
70 years and over .....	417	5.7	417	408	9	2.3	6,882	5,888	3	500	492
<b>White</b>											
16 years and over .....	27,823	42.6	27,787	26,000	1,787	6.4	37,499	31,718	3,814	711	1,256
16 to 21 years .....	4,425	46.8	4,408	3,827	581	13.2	5,040	1,393	3,502	18	126
16 to 19 years .....	2,723	42.2	2,715	2,324	391	14.4	3,733	613	3,015	12	93
16 and 17 years .....	1,057	32.0	1,057	904	153	14.5	2,248	154	2,044	7	44
18 and 19 years .....	1,666	52.9	1,658	1,420	238	14.4	1,486	459	972	6	50
20 to 64 years .....	24,147	49.6	24,119	22,754	1,365	5.7	24,528	22,899	794	235	600
20 to 24 years .....	4,312	56.9	4,295	3,918	377	8.8	3,260	2,540	622	11	87
25 to 54 years .....	15,979	49.5	15,968	15,105	864	5.4	16,269	15,637	166	117	351
25 to 34 years .....	4,958	44.0	4,952	4,603	349	7.1	6,309	6,092	100	23	94
35 to 44 years .....	5,229	51.4	5,226	4,941	285	5.5	4,941	4,747	48	37	109
45 to 54 years .....	5,792	53.6	5,790	5,561	229	4.0	5,020	4,797	18	57	148
55 to 64 years .....	3,857	43.6	3,856	3,732	125	3.2	4,998	4,723	6	107	162
55 to 59 years .....	2,310	48.7	2,310	2,238	72	3.1	2,431	2,308	6	44	72
60 to 64 years .....	1,547	37.6	1,546	1,494	53	3.4	2,567	2,415	--	63	90
65 years and over .....	953	9.3	953	922	31	3.2	9,238	8,206	4	464	563
<b>Negro and other races</b>											
16 years and over .....	3,998	48.4	3,994	3,575	418	10.5	4,264	3,142	762	197	164
16 to 21 years .....	520	33.8	517	380	137	26.5	1,018	283	688	5	42
16 to 19 years .....	264	25.0	263	181	82	31.1	790	159	605	3	24
16 and 17 years .....	92	16.9	92	72	20	21.9	455	34	403	--	17
18 and 19 years .....	172	33.8	170	109	61	36.1	335	124	202	3	6
20 to 64 years .....	3,646	57.5	3,643	3,311	332	9.1	2,691	2,363	156	87	86
20 to 24 years .....	640	56.3	638	521	117	18.3	497	359	114	4	21
25 to 54 years .....	2,588	60.2	2,587	2,393	195	7.5	1,709	1,578	43	44	44
25 to 34 years .....	951	59.1	951	847	104	10.9	657	604	29	10	14
35 to 44 years .....	877	61.5	877	826	51	5.9	550	505	8	16	21
45 to 54 years .....	760	60.2	760	720	39	5.2	502	469	6	18	9
55 to 64 years .....	418	46.3	418	398	20	4.8	485	426	--	38	21
55 to 59 years .....	274	53.9	274	257	16	5.9	234	201	--	23	10
60 to 64 years .....	144	36.5	144	140	4	2.8	251	225	--	15	11
65 years and over .....	88	10.1	88	83	5	5.9	783	620	--	107	55

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	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>MALE</b>								
16 years and over .....	53,832	53,481	79.1	79.8	50,922	50,178	78.1	78.8
16 to 19 years .....	3,979	3,934	51.9	52.8	3,641	3,502	49.7	49.9
16 and 17 years .....	1,608	1,548	40.8	40.3	1,577	1,507	40.4	39.7
18 and 19 years .....	2,371	2,386	63.6	66.0	2,064	1,995	60.4	61.9
20 to 24 years .....	7,342	7,084	83.7	84.5	5,815	5,354	80.3	80.5
25 to 34 years .....	33,392	33,194	95.8	96.0	32,351	32,057	95.7	95.9
25 to 34 years .....	12,145	11,875	96.4	96.7	11,519	11,174	96.3	96.5
35 to 44 years .....	10,713	10,865	96.6	97.0	10,360	10,504	96.5	96.9
45 to 54 years .....	10,534	10,455	94.3	94.2	10,472	10,379	94.3	94.2
55 to 64 years .....	7,133	7,116	82.4	83.2	7,129	7,113	82.4	83.2
55 to 59 years .....	4,229	4,197	89.1	89.3	4,225	4,194	89.1	89.3
60 to 64 years .....	2,904	2,919	74.3	75.7	2,904	2,919	74.3	75.7
65 years and over .....	1,986	2,152	24.4	26.7	1,986	2,152	24.4	26.7
<b>White</b>								
16 years and over .....	48,418	48,087	79.5	80.2	45,831	45,123	78.6	79.1
16 to 19 years .....	3,552	3,471	53.5	53.7	3,250	3,087	51.3	50.8
16 and 17 years .....	1,450	1,389	42.6	41.8	1,422	1,354	42.1	41.2
18 and 19 years .....	2,102	2,082	64.9	66.3	1,828	1,732	61.7	62.1
20 to 24 years .....	6,466	6,241	84.0	84.6	5,098	4,672	80.6	80.4
25 to 34 years .....	30,059	29,883	96.4	96.5	29,145	28,874	96.3	96.3
25 to 34 years .....	10,817	10,595	96.8	97.1	10,269	9,974	96.6	96.9
35 to 44 years .....	9,637	9,764	97.2	97.3	9,330	9,447	97.1	97.3
45 to 54 years .....	9,605	9,523	95.1	94.9	9,547	9,452	95.0	94.8
55 to 64 years .....	6,528	6,514	82.8	83.6	6,525	6,511	82.8	83.6
55 to 59 years .....	3,867	3,841	89.7	90.0	3,864	3,838	89.7	90.0
60 to 64 years .....	2,661	2,672	74.5	75.9	2,661	2,672	74.5	75.9
65 years and over .....	1,813	1,979	24.3	26.8	1,813	1,979	24.3	26.8
<b>Negro and other races</b>								
16 years and over .....	5,414	5,394	75.0	76.8	5,091	5,055	73.9	75.6
16 to 19 years .....	428	463	41.8	46.9	392	415	39.6	44.2
16 and 17 years .....	158	159	29.6	30.9	155	153	29.2	30.1
18 and 19 years .....	270	305	55.1	64.0	236	263	51.8	60.6
20 to 24 years .....	876	844	81.7	84.1	718	681	78.5	81.0
25 to 34 years .....	3,333	3,312	91.2	92.3	3,206	3,183	90.9	92.0
25 to 34 years .....	1,328	1,280	93.8	93.8	1,250	1,199	93.5	93.4
35 to 44 years .....	1,075	1,100	91.8	93.9	1,030	1,057	91.4	93.7
45 to 54 years .....	930	932	87.1	88.5	925	927	87.1	88.4
55 to 64 years .....	605	603	78.2	78.7	605	602	78.2	78.7
55 to 59 years .....	362	356	83.4	82.8	361	356	83.4	82.8
60 to 64 years .....	243	247	71.5	73.4	243	247	71.5	73.4
65 years and over .....	172	173	24.9	25.5	172	173	24.9	25.5



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

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>FEMALE</b>								
16 years and over .....	31,821	31,143	43.2	43.1	31,781	31,105	43.2	43.1
16 to 19 years .....	2,987	2,949	39.8	40.4	2,978	2,939	39.7	40.3
16 and 17 years .....	1,150	1,185	29.8	31.6	1,150	1,185	29.8	31.6
18 and 19 years .....	1,837	1,764	50.2	49.7	1,828	1,754	50.1	49.6
20 to 24 years .....	4,952	4,801	56.9	57.6	4,933	4,783	56.8	57.5
25 to 54 years .....	18,567	18,194	50.8	50.2	18,556	18,183	50.8	50.2
25 to 34 years .....	5,909	5,707	45.9	45.5	5,903	5,701	45.9	45.4
35 to 44 years .....	6,107	6,038	52.7	51.5	6,103	6,035	52.6	51.5
45 to 54 years .....	6,552	6,449	54.3	53.9	6,550	6,447	54.3	53.9
55 to 64 years .....	4,274	4,137	43.8	43.2	4,274	4,137	43.8	43.2
55 to 59 years .....	2,584	2,527	49.2	48.9	2,583	2,527	49.2	48.9
60 to 64 years .....	1,691	1,610	37.5	36.5	1,691	1,610	37.5	36.5
65 years and over .....	1,041	1,062	9.4	9.8	1,041	1,062	9.4	9.8
<b>White</b>								
16 years and over .....	27,823	27,259	42.6	42.4	27,787	27,224	42.6	42.4
16 to 19 years .....	2,723	2,653	42.2	42.2	2,715	2,645	42.1	42.2
16 and 17 years .....	1,057	1,081	32.0	33.5	1,057	1,081	32.0	33.5
18 and 19 years .....	1,666	1,572	52.9	51.5	1,658	1,564	52.7	51.3
20 to 24 years .....	4,312	4,192	56.9	57.6	4,295	4,177	56.8	57.5
25 to 54 years .....	15,979	15,731	49.5	49.1	15,968	15,720	49.5	49.1
25 to 34 years .....	4,958	4,828	44.0	43.9	4,952	4,822	44.0	43.9
35 to 44 years .....	5,229	5,169	51.4	50.1	5,226	5,167	51.4	50.1
45 to 54 years .....	5,792	5,733	53.6	53.4	5,790	5,732	53.6	53.4
55 to 64 years .....	3,857	3,717	43.6	42.7	3,856	3,716	43.6	42.7
55 to 59 years .....	2,310	2,262	48.7	48.4	2,310	2,262	48.7	48.4
60 to 64 years .....	1,547	1,454	37.6	36.1	1,546	1,454	37.6	36.1
65 years and over .....	953	966	9.3	9.7	953	966	9.3	9.7
<b>Negro and other races</b>								
16 years and over .....	3,998	3,885	48.4	48.4	3,994	3,881	48.4	48.4
16 to 19 years .....	264	296	25.0	29.1	263	295	24.9	29.0
16 and 17 years .....	92	104	16.9	19.8	92	104	16.9	19.8
18 and 19 years .....	172	192	33.8	39.0	170	191	33.7	38.9
20 to 24 years .....	640	609	56.3	57.2	638	607	56.2	57.1
25 to 54 years .....	2,588	2,463	60.2	58.5	2,587	2,463	60.2	58.5
25 to 34 years .....	951	879	59.1	56.7	951	879	59.1	56.7
35 to 44 years .....	877	868	61.5	61.0	877	868	61.5	61.0
45 to 54 years .....	760	716	60.2	57.9	760	716	60.2	57.9
55 to 64 years .....	418	421	46.3	47.8	418	421	46.3	47.8
55 to 59 years .....	274	265	53.9	53.3	274	265	53.9	53.3
60 to 64 years .....	144	156	36.5	40.7	144	156	36.5	40.7
65 years and over .....	88	96	10.1	11.3	88	96	10.1	11.3

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

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total noninstitutional population	22,200	11,198	11,002	19,177	9,713	9,464	3,023	1,485	1,538
Total labor force	11,666	6,722	4,944	10,375	5,950	4,425	1,292	772	520
Percent of population	52.6	60.0	44.9	54.1	61.3	46.8	42.7	52.0	33.8
Civilian labor force	10,485	5,560	4,925	9,325	4,917	4,408	1,160	643	517
Employed	8,828	4,621	4,207	7,980	4,152	3,827	848	468	380
Agriculture	331	284	47	296	253	43	35	31	4
Nonagricultural industries	8,497	4,337	4,160	7,684	3,899	3,785	813	437	376
Unemployed	1,657	939	718	1,345	764	581	312	175	137
Percent of labor force	15.8	16.9	14.6	14.4	15.5	13.2	26.9	27.2	26.5
Looking for full-time work	989	556	433	772	434	338	216	122	94
Looking for part-time work	668	383	285	572	330	243	96	53	43
Not in labor force	10,534	4,476	6,058	8,803	3,763	5,040	1,731	713	1,018
Major activity: going to school									
Civilian labor force	3,401	1,893	1,508	3,116	1,728	1,388	285	164	120
Employed	2,792	1,534	1,257	2,598	1,422	1,176	193	112	82
Agriculture	134	115	19	127	108	19	7	7	--
Nonagricultural industries	2,658	1,419	1,239	2,471	1,314	1,157	187	105	82
Unemployed	609	359	251	518	306	212	91	52	39
Percent of labor force	17.9	18.9	16.6	16.6	17.7	15.3	32.0	31.9	32.2
Looking for full-time work	39	18	21	28	15	13	10	3	7
Looking for part-time work	571	341	230	490	291	199	81	49	32
Not in labor force	8,259	4,069	4,190	6,968	3,465	3,502	1,291	603	688
Major activity: other									
Civilian labor force	7,084	3,667	3,417	6,208	3,188	3,020	875	479	397
Employed	6,036	3,086	2,950	5,382	2,730	2,651	654	356	298
Agriculture	197	169	28	169	145	24	28	24	5
Nonagricultural industries	5,839	2,918	2,921	5,213	2,585	2,628	626	332	294
Unemployed	1,048	581	467	827	458	369	221	123	99
Percent of labor force	14.8	15.8	13.7	13.3	14.4	12.2	25.3	25.6	24.8
Looking for full-time work	950	538	412	744	420	325	206	119	87
Looking for part-time work	98	42	55	83	39	44	15	4	11
Not in labor force	2,275	408	1,867	1,835	298	1,537	440	110	330

**A- 6: Employment status of the noninstitutional population 16 years and over by sex, age, and color**  
(In thousands)

Employment status and color	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16-19 years	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
	<b>Total</b>							
Total noninstitutional population	141,670	139,298	60,422	59,558	66,074	64,991	15,174	14,749
Total labor force	85,653	84,624	49,852	49,547	28,834	28,194	6,966	6,884
Percent of population	60.5	60.8	82.5	83.2	43.6	43.4	45.9	46.7
Civilian labor force	82,703	81,283	47,281	46,676	28,804	28,166	6,619	6,441
Employed	77,262	77,489	44,698	44,998	27,071	26,928	5,492	5,563
Agriculture	2,846	2,994	2,194	2,330	386	423	265	241
Nonagricultural industries	74,415	74,495	42,504	42,668	26,685	26,505	5,227	5,322
Unemployed	5,442	3,794	2,582	1,678	1,733	1,238	1,127	878
Percent of labor force	6.6	4.7	5.5	3.6	6.0	4.4	17.0	13.6
Not in labor force	56,017	54,673	10,570	10,011	37,240	36,796	8,207	7,866
<b>White</b>								
Total noninstitutional population	126,192	124,253	54,231	53,521	58,866	57,988	13,096	12,745
Total labor force	76,241	75,346	44,866	44,616	25,100	24,605	6,275	6,124
Percent of population	60.4	60.6	82.7	83.4	42.6	42.4	47.9	48.1
Civilian labor force	73,618	72,347	42,581	42,036	25,072	24,579	5,965	5,732
Employed	69,108	69,221	40,390	40,622	23,676	23,567	5,041	5,032
Agriculture	2,552	2,713	1,961	2,094	350	398	241	221
Nonagricultural industries	66,556	66,507	38,429	38,528	23,327	23,169	4,800	4,810
Unemployed	4,511	3,126	2,191	1,414	1,396	1,012	924	700
Percent of labor force	6.1	4.3	5.1	3.4	5.6	4.1	15.5	12.2
Not in labor force	49,952	48,908	9,365	8,905	33,766	33,383	6,821	6,620
<b>Negro and other races</b>								
Total noninstitutional population	15,478	15,045	6,191	6,038	7,208	7,003	2,078	2,004
Total labor force	9,412	9,279	4,986	4,931	3,734	3,589	691	759
Percent of population	60.8	61.7	80.5	81.7	51.8	51.3	33.3	37.9
Civilian labor force	9,085	8,936	4,700	4,640	3,731	3,586	654	710
Employed	8,154	8,269	4,309	4,376	3,394	3,361	451	532
Agriculture	294	281	234	236	37	25	24	20
Nonagricultural industries	7,859	7,988	4,075	4,141	3,358	3,336	427	512
Unemployed	931	667	391	264	337	225	203	178
Percent of labor force	10.2	7.5	8.3	5.7	9.0	6.3	31.1	25.1
Not in labor force	6,066	5,766	1,205	1,107	3,474	3,414	1,386	1,245

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

February 1971

(In thousands)

Age and sex	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <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 .....	70,304	63,395	2,617	4,292	6.1	12,399	11,250	1,149	9.3
16 to 21 years .....	5,877	4,430	458	989	16.8	4,608	3,940	668	14.5
16 to 19 years .....	2,864	2,024	274	566	19.7	3,755	3,194	561	14.9
16 and 17 years .....	408	228	71	109	26.8	2,319	1,956	363	15.6
18 and 19 years .....	2,456	1,797	203	456	18.6	1,437	1,238	199	13.8
20 years and over .....	67,441	61,371	2,343	3,727	5.5	8,643	8,056	588	6.8
20 to 24 years .....	9,141	7,697	420	1,025	11.2	1,607	1,408	199	12.4
25 years and over .....	58,300	53,674	1,923	2,702	4.6	7,036	6,648	389	5.5
25 to 54 years .....	46,261	42,642	1,415	2,203	4.8	4,645	4,369	276	5.9
55 years and over .....	12,038	11,032	508	499	4.1	2,392	2,279	113	4.7
<b>MALE</b>									
16 years and over .....	46,509	42,509	1,313	2,687	5.8	4,413	3,864	549	12.4
16 to 21 years .....	3,113	2,318	239	556	17.9	2,447	2,064	383	15.7
16 to 19 years .....	1,589	1,116	152	321	20.2	2,052	1,720	332	16.2
20 years and over .....	44,920	41,393	1,161	2,365	5.3	2,361	2,144	217	9.2
20 to 24 years .....	5,043	4,241	190	612	12.1	772	653	119	15.4
25 years and over .....	39,877	37,152	971	1,753	4.4	1,589	1,491	98	6.2
25 to 54 years .....	31,793	29,727	687	1,380	4.3	557	516	43	7.7
55 years and over .....	8,083	7,425	283	374	4.6	1,032	976	55	5.3
<b>FEMALE</b>									
16 years and over .....	23,795	20,886	1,304	1,606	6.7	7,986	7,386	600	7.5
16 to 21 years .....	2,764	2,112	219	433	15.6	2,161	1,876	285	13.2
16 to 19 years .....	1,274	908	122	244	19.2	1,703	1,474	229	13.4
20 years and over .....	22,521	19,978	1,182	1,361	6.0	6,283	5,911	371	5.9
20 to 24 years .....	4,098	3,455	229	414	10.1	835	755	80	9.6
25 years and over .....	18,423	16,523	953	947	5.1	5,448	5,156	291	5.3
25 to 54 years .....	14,469	12,916	729	824	5.7	4,087	3,854	234	5.7
55 years and over .....	3,954	3,607	224	123	3.1	1,360	1,303	57	4.2

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

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>Total, 16 years and over</b> .....	3,236	2,178	6.4	4.3	2,206	1,616	6.9	5.2
16 to 19 years .....	654	500	18.0	14.3	473	378	15.9	12.9
16 and 17 years .....	298	251	18.9	16.7	174	167	15.1	14.1
18 and 19 years .....	355	249	17.2	12.5	299	211	16.4	12.0
20 years and over .....	2,582	1,678	5.5	3.6	1,733	1,238	6.0	4.4
20 to 24 years .....	730	470	12.6	8.8	494	387	10.0	8.1
25 years and over .....	1,852	1,208	4.5	2.9	1,239	851	5.2	3.6
25 to 34 years .....	613	402	5.3	3.6	453	287	7.7	5.0
35 to 44 years .....	415	284	4.0	2.7	336	227	5.5	3.8
45 to 54 years .....	393	250	3.8	2.4	268	199	4.1	3.1
55 to 64 years .....	341	206	4.8	2.9	145	102	3.4	2.5
55 to 59 years .....	209	127	4.9	3.0	88	75	3.4	3.0
60 to 64 years .....	132	79	4.6	2.7	57	27	3.3	1.7
65 years and over .....	89	66	4.5	3.1	36	36	3.4	3.3
<b>Household head, 16 years and over</b> .....	1,828	1,182	4.3	2.8	364	251	5.4	3.9
16 to 24 years .....	265	171	7.9	5.5	55	44	7.6	6.7
25 to 54 years .....	1,153	758	3.8	2.5	236	143	6.3	4.1
55 years and over .....	409	253	4.7	2.8	71	64	3.2	2.8

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	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>Total, 16 years and over</b> .....	3,236	2,178	6.4	4.3	2,206	1,616	6.9	5.2
Married, spouse present .....	1,645	1,050	4.2	2.7	1,122	834	6.0	4.5
Widowed, divorced, or separated .....	245	167	9.2	6.5	402	285	6.9	4.9
Single (never married) .....	1,337	961	14.6	11.0	681	496	9.5	7.2
<b>Total, 20 to 64 years of age</b> .....	2,493	1,612	5.5	3.6	1,697	1,203	6.1	4.4
Married, spouse present .....	1,552	979	4.2	2.7	1,061	776	5.8	4.4
Widowed, divorced, or separated .....	231	153	9.3	6.6	361	245	7.0	4.8
Single (never married) .....	710	480	12.5	8.9	274	181	6.2	4.3
<b>White, 16 years and over</b> .....	2,723	1,823	5.9	4.0	1,787	1,303	6.4	4.8
Married, spouse present .....	1,453	897	4.1	2.5	969	708	5.8	4.3
Widowed, divorced, or separated .....	195	133	8.8	6.6	288	211	6.1	4.5
Single (never married) .....	1,076	793	13.4	10.4	530	384	8.4	6.3
<b>White, 20 to 64 years of age</b> .....	2,108	1,351	5.2	3.4	1,365	980	5.7	4.2
Married, spouse present .....	1,367	831	4.0	2.5	915	662	5.6	4.2
Widowed, divorced, or separated .....	174	120	8.8	6.7	254	180	6.2	4.5
Single (never married) .....	567	400	11.6	8.6	196	140	5.2	3.8
<b>Negro and other races, 16 years and over</b> .....	513	355	10.1	7.0	418	312	10.5	8.0
Married, spouse present .....	192	153	5.7	4.6	153	126	7.5	6.4
Widowed, divorced, or separated .....	59	34	10.8	6.1	114	74	10.4	6.7
Single (never married) .....	261	168	22.2	14.7	151	112	17.8	13.9
<b>Negro and other races, 20 to 64 years of age</b> .....	385	260	8.5	5.8	332	222	9.1	6.4
Married, spouse present .....	185	148	5.7	4.6	146	114	7.3	6.0
Widowed, divorced, or separated .....	57	33	11.2	6.3	107	67	10.4	6.4
Single (never married) .....	144	79	18.1	10.6	78	41	12.7	7.4

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
Total.....	5,442	3,794	6.6	4.7	6.4	4.3	6.9	5.2
White-collar workers.....	1,429	974	3.6	2.5	2.9	1.7	4.4	3.4
Professional and technical.....	332	173	2.9	1.5	3.0	1.4	2.7	1.7
Managers, officials, and proprietors.....	155	97	1.8	1.2	1.6	.9	2.5	2.5
Clerical workers.....	691	502	4.9	3.5	5.2	2.9	4.9	3.7
Sales workers.....	251	202	4.9	4.2	3.3	2.7	7.0	6.1
Blue-collar workers.....	2,694	1,843	9.3	6.3	8.6	6.0	12.6	7.9
Craftsmen and foremen.....	657	391	6.2	3.8	6.2	3.9	5.8	.8
Carpenters and other construction craftsmen.....	344	238	11.2	8.6	11.2	8.6	(1)	(1)
All other.....	313	153	4.2	2.1	4.1	2.1	5.2	--
Operatives.....	1,427	1,066	10.1	7.1	8.7	6.4	13.1	8.4
Drivers and deliverymen.....	198	140	7.6	5.3	7.8	5.5	3.1	1.0
All other.....	1,229	926	10.7	7.4	8.9	6.7	13.4	8.6
Nonfarm laborers.....	610	386	14.3	10.2	14.3	10.3	14.3	8.1
Construction laborers.....	246	151	29.3	18.1	29.3	17.7	(1)	(1)
All other.....	364	235	10.7	8.0	10.3	8.1	14.3	8.1
Service workers.....	743	529	6.5	5.2	7.2	5.0	6.2	5.3
Private household.....	59	62	3.6	3.6	(1)	1.1	3.7	(1)
All other.....	684	467	7.0	5.6	7.2	5.1	6.9	5.9
Farmers and farm laborers.....	102	72	3.8	2.6	3.4	1.9	6.4	6.6
No previous work experience.....	473	377	--	--	--	--	--	--
16 to 19 years.....	352	280	--	--	--	--	--	--
20 to 24 years.....	71	62	--	--	--	--	--	--
25 years and over.....	50	35	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
Total.....	100.0	100.0	6.6	4.7	6.4	4.3	6.9	5.2
Private wage and salary workers.....	81.0	79.8	7.3	5.1	7.2	4.9	7.5	5.4
Mining.....	.5	.5	4.6	3.8	4.3	4.0	8.4	(1)
Construction.....	12.3	12.8	17.8	13.1	18.4	13.3	8.1	10.5
Manufacturing.....	30.0	29.6	7.9	5.2	6.5	4.6	11.2	6.8
Durable goods.....	18.6	17.8	8.3	5.3	7.2	4.9	12.4	7.0
Primary metal industries.....	1.1	1.1	4.6	3.2	4.3	2.8	7.3	7.4
Fabricated metal products.....	2.1	2.3	8.2	5.5	8.5	4.3	6.7	9.8
Machinery.....	2.9	1.8	7.2	2.9	6.3	2.4	12.3	5.5
Electrical equipment.....	3.6	2.2	9.2	3.8	6.3	2.8	13.5	5.4
Motor vehicles and equipment.....	1.3	4.1	6.4	13.9	5.5	14.3	12.8	10.6
All other transportation equipment.....	2.3	1.6	11.2	4.9	10.5	4.6	15.6	7.0
Other durable goods industries.....	5.2	4.5	9.8	6.3	8.6	5.9	13.5	7.7
Nondurable goods.....	11.4	11.8	7.3	5.1	5.3	4.1	10.3	6.6
Food and kindred products.....	2.5	3.8	8.0	8.1	5.6	6.7	15.0	11.9
Textile mill products.....	1.4	1.5	7.4	5.4	5.6	4.3	9.3	6.7
Apparel and other finished textile products.....	2.8	1.9	11.0	5.0	11.9	8.2	10.8	4.2
Other nondurable goods industries.....	4.6	4.6	5.8	3.9	4.5	2.5	8.7	7.1
Transportation and public utilities.....	4.1	3.7	4.9	3.0	5.1	2.7	4.2	4.1
Railroads and railway express.....	.5	.5	4.4	2.9	4.4	3.1	3.7	(1)
Other transportation.....	2.7	1.8	7.4	3.5	7.8	3.6	5.3	2.9
Communication and other public utilities.....	.9	1.3	2.6	2.6	1.9	1.2	3.7	4.9
Wholesale and retail trade.....	19.3	19.6	7.3	5.5	6.3	4.4	8.7	7.0
Finance, insurance, and real estate.....	2.4	2.0	3.5	2.1	3.3	1.2	3.7	3.0
Service industries.....	12.4	11.7	5.3	3.6	5.6	3.1	5.2	3.9
Professional services.....	4.2	4.0	3.5	2.4	3.0	1.8	3.7	2.8
All other service industries.....	8.2	7.7	7.3	4.8	7.7	4.2	7.0	5.2
Agricultural wage and salary workers.....	2.4	2.2	12.4	8.5	11.4	6.6	17.1	18.4
All other classes of workers.....	7.9	8.0	2.1	1.5	2.0	1.2	2.2	1.9
No previous work experience.....	8.7	9.9	--	--	--	--	--	--

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

# HOUSEHOLD DATA

**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	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>Unemployment level</b>												
Total unemployed, in thousands . . . . .	5,442	3,794	2,582	1,678	1,733	1,238	1,127	878	4,511	3,127	931	668
Lost last job . . . . .	2,958	1,787	1,795	1,144	857	451	306	192	2,467	1,488	491	299
Left last job . . . . .	644	473	282	185	231	200	131	88	542	390	102	82
Reentered labor force . . . . .	1,372	1,158	448	310	581	529	343	319	1,106	943	266	214
Never worked before . . . . .	468	377	57	39	64	58	347	280	396	305	72	72
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 . . . . .	54.3	47.1	69.5	68.2	49.5	36.5	27.1	21.9	54.7	47.6	52.8	44.8
Left last job . . . . .	11.8	12.5	10.9	11.0	13.3	16.1	11.6	10.0	12.0	12.5	11.0	12.3
Reentered labor force . . . . .	25.2	30.5	17.3	18.5	33.5	42.7	30.5	36.3	24.5	30.2	28.6	32.1
Never worked before . . . . .	8.6	9.9	2.2	2.3	3.7	4.7	30.8	31.8	8.8	9.7	7.7	10.7
<b>Unemployment rate</b>												
Total unemployment rate . . . . .	6.6	4.7	5.5	3.6	6.0	4.7	17.0	13.6	6.1	4.3	10.2	7.5
Job-loser rate <sup>1</sup> . . . . .	3.6	2.2	3.8	2.5	2.9	5.1	4.6	2.9	3.4	2.1	5.4	3.4
Job-leaver rate <sup>1</sup> . . . . .	.8	.6	.6	.4	.8	.7	2.0	1.4	.7	.5	1.1	.9
Reentrant rate <sup>1</sup> . . . . .	1.7	1.4	.9	.7	2.0	1.9	5.2	5.0	1.5	1.3	2.9	2.4
New entrant rate <sup>1</sup> . . . . .	.6	.5	.1	.1	.2	.2	5.2	4.3	.5	.4	.8	.8

<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**

February 1971

(Percent distribution)

Reason, sex, and age	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over . . . . .	5,442	100.0	39.6	38.8	21.7	13.4	8.3
Lost last job . . . . .	2,958	100.0	32.3	43.5	24.2	14.7	9.5
Left last job . . . . .	644	100.0	44.0	33.7	22.2	12.4	9.8
Reentered labor force . . . . .	1,372	100.0	48.6	33.8	17.6	12.3	5.3
Never worked before . . . . .	468	100.0	53.5	29.8	16.7	9.2	7.5
Male, 20 years and over . . . . .	2,582	100.0	33.8	42.1	24.0	14.2	9.8
Lost last job . . . . .	1,795	100.0	30.1	45.1	24.8	14.4	10.4
Left last job . . . . .	282	100.0	40.4	34.4	25.2	12.4	12.8
Reentered labor force . . . . .	448	100.0	43.7	36.4	19.8	14.7	5.1
Never worked before . . . . .	57	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over . . . . .	1,733	100.0	43.6	35.5	20.9	13.2	7.7
Lost last job . . . . .	857	100.0	32.3	41.3	26.4	16.2	10.2
Left last job . . . . .	231	100.0	47.8	31.3	20.9	13.5	7.4
Reentered labor force . . . . .	581	100.0	56.4	29.5	14.1	9.1	5.0
Never worked before . . . . .	64	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years . . . . .	1,127	100.0	46.6	36.0	17.4	11.7	5.7
Lost last job . . . . .	306	100.0	44.0	40.7	15.3	12.4	2.9
Left last job . . . . .	131	100.0	44.6	37.7	17.7	10.8	6.9
Reentered labor force . . . . .	343	100.0	41.7	37.9	20.4	14.6	5.8
Never worked before . . . . .	347	100.0	54.2	29.1	16.7	8.6	8.1

<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	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
Total .....	5,442	3,794	100.0	100.0	2,192	1,432	100.0	100.0
Less than 5 weeks .....	2,154	1,928	39.6	50.8	748	618	34.1	43.2
5 to 14 weeks .....	2,108	1,346	38.7	35.5	909	591	41.5	41.3
5 to 10 weeks .....	1,529	1,044	28.1	27.5	638	434	29.1	30.3
11 to 14 weeks .....	579	302	10.6	8.0	271	157	12.4	11.0
15 weeks and over .....	1,179	520	21.7	13.7	535	223	24.4	15.6
15 to 26 weeks .....	728	358	13.4	9.4	317	135	14.5	9.4
27 weeks and over .....	451	162	8.3	4.3	219	89	10.0	6.2
Average (mean) duration .....	10.5	8.2	--	--	11.7	9.7	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status  
February 1971

Sex, age, color, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
16 to 21 years .....	1,657	747	623	192	94	8.8	45.1	54.9	17.3	12.8
16 to 19 years .....	1,127	525	405	133	64	8.7	46.6	53.9	17.5	13.8
20 to 24 years .....	1,224	543	453	154	73	9.1	44.4	56.3	18.6	9.3
25 to 44 years .....	1,819	695	734	229	161	10.8	38.2	52.3	21.4	12.3
45 years and over .....	1,272	391	516	212	154	13.2	30.7	40.1	28.7	20.0
Male .....	3,236	1,154	1,333	463	286	11.1	35.7	46.8	23.1	13.6
16 to 21 years .....	939	383	374	127	55	9.4	40.8	54.0	19.4	9.7
16 to 19 years .....	654	280	245	95	34	9.3	42.8	54.0	19.7	10.3
20 to 24 years .....	730	297	289	94	50	9.6	40.6	53.1	19.8	8.3
25 to 44 years .....	1,028	349	445	136	99	11.3	33.9	46.5	22.7	12.2
45 years and over .....	823	228	354	138	104	13.8	27.7	34.3	29.4	23.6
Female .....	2,206	1,000	775	266	165	9.7	45.3	56.3	19.5	13.9
16 to 21 years .....	718	364	250	65	39	8.0	50.7	55.9	14.5	16.6
16 to 19 years .....	473	245	160	37	30	7.9	51.9	53.6	14.3	18.3
20 to 24 years .....	494	246	164	60	23	8.3	49.9	60.2	16.8	10.7
25 to 44 years .....	789	346	288	94	62	10.1	43.9	60.1	19.8	12.6
45 years and over .....	449	163	162	74	50	12.3	36.3	49.1	27.5	14.4
White: Total .....	4,511	1,819	1,725	587	380	10.6	40.3	52.1	21.4	13.0
Male .....	2,723	1,002	1,112	366	243	11.1	36.8	47.3	22.4	13.8
Female .....	1,787	817	613	220	137	9.7	45.7	58.8	20.0	11.8
Negro and other races: Total .....	931	335	383	142	71	10.4	36.0	45.0	22.8	17.1
Male .....	513	152	221	96	43	11.1	29.6	44.2	27.2	12.3
Female .....	418	183	162	45	27	9.6	43.8	45.8	17.4	22.6
Male: Married, wife present .....	1,645	551	729	218	148	11.1	33.5	43.5	22.2	14.8
Widowed, divorced, or separated .....	254	89	91	38	36	2.7	35.0	40.8	29.1	15.9
Single (never married) .....	1,337	514	514	207	102	10.7	38.4	51.4	23.1	11.9
Female: Married, husband present .....	1,122	497	408	146	71	9.3	44.3	61.9	19.3	11.2
Widowed, divorced, or separated .....	402	163	147	59	34	3.0	40.6	47.3	23.0	14.4
Single (never married) .....	681	340	220	62	60	9.4	49.9	52.1	17.8	18.1

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>OCCUPATION</b>										
White-collar workers . . . . .	1,429	612	483	193	141	10.9	42.8	55.1	23.4	13.2
Professional and managerial . . . . .	487	194	148	84	62	12.9	39.8	44.8	30.0	19.3
Clerical workers . . . . .	691	307	232	86	67	10.5	44.4	58.5	22.1	12.4
Sales workers . . . . .	251	112	105	23	12	8.6	44.4	60.0	13.9	7.0
Blue-collar workers . . . . .	2,694	927	1,168	385	214	10.8	34.4	48.0	22.2	11.9
Craftsmen and foremen . . . . .	657	211	302	87	56	10.9	32.1	38.5	21.9	12.3
Operatives . . . . .	1,427	505	591	215	117	11.0	35.4	52.0	23.2	12.9
Nonfarm laborers . . . . .	610	211	275	83	41	10.4	34.6	46.7	20.4	8.6
Service workers . . . . .	743	301	285	98	59	10.4	40.5	51.8	21.1	17.3
<b>INDUSTRY<sup>1</sup></b>										
Agriculture . . . . .	128	66	44	15	3	7.9	51.4	(2)	14.4	(2)
Construction . . . . .	691	222	355	82	31	9.8	32.2	37.1	16.3	7.3
Manufacturing . . . . .	1,641	582	617	273	169	11.9	35.5	51.6	26.9	14.8
Durable goods . . . . .	1,017	338	374	190	116	12.3	33.2	53.3	30.0	11.9
Nondurable goods . . . . .	624	245	243	83	53	11.1	39.2	49.1	21.9	19.2
Transportation and public utilities . . . . .	250	89	113	28	19	9.8	35.7	51.8	19.1	18.4
Wholesale and retail trade . . . . .	1,052	457	387	129	78	9.7	43.5	56.9	19.7	10.3
Finance and service industries . . . . .	969	391	358	127	94	10.6	40.4	52.9	22.8	15.8
Public administration . . . . .	116	46	44	17	9	10.8	39.6	(2)	22.6	(2)
No previous work experience . . . . .	473	256	139	43	35	8.5	54.0	54.5	16.5	16.6

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

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

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

Age and type of industry	Total		Male		Female	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>All industries . . . . .</b>	<b>77,262</b>	<b>77,489</b>	<b>47,686</b>	<b>48,000</b>	<b>29,575</b>	<b>29,489</b>
16 to 19 years . . . . .	5,492	5,563	2,988	3,002	2,504	2,561
16 and 17 years . . . . .	2,255	2,274	1,279	1,256	976	1,018
18 and 19 years . . . . .	3,237	3,289	1,709	1,746	1,529	1,543
20 to 24 years . . . . .	9,524	9,280	5,085	4,884	4,439	4,396
25 to 34 years . . . . .	48,428	48,591	30,929	31,121	17,498	17,470
25 to 34 years . . . . .	16,355	16,186	10,905	10,772	5,449	5,414
35 to 44 years . . . . .	15,712	16,028	9,945	10,220	5,767	5,808
45 to 54 years . . . . .	16,361	16,377	10,079	10,129	6,282	6,248
55 to 64 years . . . . .	10,918	10,942	6,788	6,907	4,129	4,035
55 to 59 years . . . . .	6,512	6,519	4,017	4,067	2,495	2,452
60 to 64 years . . . . .	4,406	4,423	2,771	2,840	1,634	1,583
65 years and over . . . . .	2,901	3,113	1,896	2,086	1,005	1,027
Nonagricultural industries . . . . .	74,415	74,495	45,262	45,454	29,153	29,041
16 to 19 years . . . . .	5,227	5,322	2,758	2,786	2,468	2,536
16 and 17 years . . . . .	2,100	2,140	1,149	1,141	951	999
18 and 19 years . . . . .	3,126	3,182	1,609	1,645	1,518	1,537
20 to 24 years . . . . .	9,353	9,107	4,938	4,739	4,415	4,368
25 to 34 years . . . . .	46,927	47,051	29,692	29,857	17,235	17,195
25 to 34 years . . . . .	15,965	15,779	10,586	10,427	5,379	5,352
35 to 44 years . . . . .	15,213	15,520	9,534	9,805	5,679	5,715
45 to 54 years . . . . .	15,749	15,752	9,572	9,625	6,177	6,128
55 to 64 years . . . . .	10,368	10,318	6,314	6,367	4,054	3,951
55 to 59 years . . . . .	6,231	6,195	3,775	3,796	2,456	2,399
60 to 64 years . . . . .	4,138	4,122	2,539	2,571	1,599	1,551
65 years and over . . . . .	2,540	2,697	1,560	1,706	980	991
Agriculture . . . . .	2,846	2,994	2,424	2,546	422	448
16 to 19 years . . . . .	265	241	229	216	36	25
16 and 17 years . . . . .	154	134	129	115	25	19
18 and 19 years . . . . .	111	107	100	101	11	6
20 to 24 years . . . . .	171	173	147	145	24	28
25 to 34 years . . . . .	1,499	1,538	1,237	1,264	263	275
25 to 34 years . . . . .	389	406	319	345	70	61
35 to 44 years . . . . .	498	507	411	415	88	93
45 to 54 years . . . . .	612	625	507	504	105	121
55 to 64 years . . . . .	549	624	474	540	75	84
55 to 59 years . . . . .	281	324	242	271	40	53
60 to 64 years . . . . .	268	300	233	269	35	31
65 years and over . . . . .	361	416	336	380	24	36



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

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 16-19 years		Female, 16-19 years	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>Total</b> .....	77,262	77,489	44,698	44,998	27,071	26,928	2,988	3,002	2,504	2,561
<b>White-collar workers</b> .....	37,821	37,939	19,195	19,339	16,637	16,490	647	658	1,342	1,451
Professional and technical .....	11,147	11,229	6,542	6,703	4,430	4,365	101	80	73	81
Medical and other health .....	1,770	1,732	642	613	1,111	1,100	5	5	11	14
Teachers, except college .....	2,885	2,629	824	823	2,031	1,799	5	4	25	4
Other professional and technical .....	6,493	6,868	5,075	5,266	1,289	1,466	91	71	37	64
Managers, officials, and proprietors .....	8,496	8,145	7,035	6,874	1,413	1,238	33	27	14	6
Salaried workers .....	6,356	5,928	5,276	5,022	1,035	875	32	27	14	4
Self-employed workers in retail trade .....	1,081	1,098	829	856	252	240	-	1	1	-
Self-employed workers, except retail trade .....	1,058	1,119	930	995	126	123	2	-	-	1
Clerical workers .....	13,292	13,909	3,018	3,308	9,037	9,216	270	319	968	1,067
Stenographers, typists, and secretaries .....	3,573	3,514	50	60	3,228	3,150	-	1	295	304
Other clerical workers .....	9,720	10,395	2,969	3,248	5,808	6,066	269	318	673	763
Sales workers .....	4,885	4,656	2,600	2,455	1,756	1,672	243	232	286	297
Retail trade .....	2,855	2,794	893	861	1,512	1,459	177	190	273	283
Other sales workers .....	2,030	1,862	1,706	1,594	245	213	66	42	13	14
<b>Blue-collar workers</b> .....	26,267	27,265	20,121	20,772	4,368	4,591	1,537	1,649	242	254
Craftsmen and foremen .....	9,910	9,826	9,263	9,324	393	291	236	202	18	9
Carpenters .....	819	787	780	770	11	1	28	16	1	-
Construction craftsmen, except carpenters .....	1,916	1,733	1,860	1,696	16	4	38	32	3	1
Mechanics and repairmen .....	2,379	2,747	2,275	2,633	28	17	76	93	1	3
Metal craftsmen, except mechanics .....	1,226	1,257	1,181	1,229	22	13	23	14	-	-
Other craftsmen and kindred workers .....	2,153	1,848	1,860	1,648	214	154	65	42	14	5
Foremen, not elsewhere classified .....	1,416	1,454	1,307	1,348	103	101	6	6	-	-
Operatives .....	12,713	14,048	8,115	8,805	3,773	4,199	644	817	180	227
Drivers and deliverymen .....	2,414	2,511	2,170	2,238	127	114	110	152	6	7
Other operatives .....	10,299	11,537	5,945	6,567	3,646	4,085	534	665	174	220
Durable goods manufacturing .....	4,520	4,759	3,135	3,183	1,206	1,343	134	159	43	73
Nondurable goods manufacturing .....	3,554	3,946	1,498	1,636	1,868	2,072	108	139	81	98
Other industries .....	2,224	2,832	1,312	1,747	572	669	291	367	49	49
Nonfarm laborers .....	3,645	3,391	2,743	2,643	201	101	657	629	44	18
Construction .....	595	684	519	608	-	-	76	77	1	-
Manufacturing .....	1,046	996	861	804	67	60	109	128	9	4
Other industries .....	2,004	1,711	1,362	1,231	134	41	472	425	35	14
<b>Service workers</b> .....	10,626	9,574	3,379	2,750	5,753	5,481	600	506	894	838
Private household workers .....	1,580	1,680	21	26	1,212	1,292	15	14	332	348
Service workers, except private household .....	9,047	7,894	3,358	2,724	4,541	4,189	586	491	562	490
Protective service workers .....	1,003	949	939	900	58	42	5	6	-	1
Waiters, cooks, and bartenders .....	2,194	2,083	456	393	1,332	1,338	142	119	263	233
Other service workers .....	5,850	4,862	1,963	1,431	3,151	2,809	438	367	299	256
<b>Farm workers</b> .....	2,547	2,711	2,003	2,137	313	366	203	190	27	18
Farmers and farm managers .....	1,547	1,674	1,463	1,584	70	87	13	3	1	1
Farm laborers and foremen .....	1,000	1,037	540	553	243	280	190	186	26	17
Paid workers .....	685	703	495	513	70	75	111	106	9	8
Unpaid family workers .....	315	334	46	40	173	204	80	80	17	9

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>Total</b>						
Total employed (thousands) .....	77,262	77,489	47,686	48,000	29,575	29,489
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	49.0	49.0	41.6	41.7	60.8	60.8
Professional and technical .....	14.4	14.5	13.9	14.1	15.2	15.1
Managers, officials, and proprietors .....	11.0	10.5	14.8	14.4	4.8	4.2
Clerical workers .....	17.2	17.9	6.9	7.6	33.8	34.9
Sales workers .....	6.3	6.0	6.0	5.6	6.9	6.7
<b>Blue-collar workers</b> .....	34.0	35.2	45.4	46.7	15.6	16.4
Craftsmen and foremen .....	12.8	12.7	19.9	19.8	1.4	1.0
Operatives .....	16.5	18.1	18.4	20.0	13.4	15.0
Nonfarm laborers .....	4.7	4.4	7.1	6.8	.8	.4
<b>Service workers</b> .....	13.8	12.4	8.3	6.8	22.5	21.4
Private household workers .....	2.0	2.2	.1	.1	5.2	5.6
Other service workers .....	11.7	10.2	8.3	6.7	17.3	15.9
<b>Farm workers</b> .....	3.3	3.5	4.6	4.8	1.1	1.3
Farmers and farm managers .....	2.0	2.2	3.1	3.3	.2	.3
Farm laborers and foremen .....	1.3	1.3	1.5	1.5	.9	1.0
<b>White</b>						
Total employed (thousands) .....	69,108	69,221	43,108	43,300	26,000	25,921
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	51.3	51.4	43.7	43.8	64.1	64.2
Professional and technical .....	15.1	15.1	14.6	14.9	15.8	15.6
Managers, officials, and proprietors .....	11.8	11.4	15.8	15.4	5.2	4.6
Clerical workers .....	17.6	18.4	6.8	7.5	35.5	36.8
Sales workers .....	6.8	6.5	6.4	6.0	7.5	7.3
<b>Blue-collar workers</b> .....	33.3	34.4	44.1	45.4	15.3	16.1
Craftsmen and foremen .....	13.5	13.3	20.7	20.5	1.4	1.1
Operatives .....	15.8	17.5	17.4	19.1	13.1	14.7
Nonfarm laborers .....	4.1	3.7	6.0	5.7	.8	.3
<b>Service workers</b> .....	12.0	10.6	7.6	6.0	19.4	18.3
Private household workers .....	1.4	1.5	.1	.1	3.6	3.8
Other service workers .....	10.7	9.2	7.6	6.0	15.9	14.6
<b>Farm workers</b> .....	3.3	3.6	4.6	4.8	1.2	1.4
Farmers and farm managers .....	2.2	2.3	3.3	3.5	.3	.3
Farm laborers and foremen .....	1.2	1.2	1.3	1.3	.9	1.1
<b>Negro and other races</b>						
Total employed (thousands) .....	8,154	8,269	4,579	4,700	3,575	3,569
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	28.7	28.4	22.3	22.3	36.9	36.5
Professional and technical .....	9.1	9.2	7.5	7.4	11.0	11.5
Managers, officials, and proprietors .....	4.0	3.4	5.6	4.7	2.0	1.7
Clerical workers .....	13.6	13.9	7.6	8.5	21.4	20.9
Sales workers .....	2.0	2.0	1.6	1.7	2.5	2.3
<b>Blue-collar workers</b> .....	39.9	41.8	57.5	59.2	17.3	19.0
Craftsmen and foremen .....	7.5	7.9	12.6	13.4	1.0	.6
Operatives .....	22.1	23.8	27.3	28.5	15.5	17.5
Nonfarm laborers .....	10.3	10.2	17.6	17.3	.8	.8
<b>Service workers</b> .....	28.2	26.7	15.3	13.7	44.8	43.9
Private household workers .....	7.8	8.1	.3	.3	17.4	18.5
Other service workers .....	20.4	18.6	15.0	13.4	27.4	25.4
<b>Farm workers</b> .....	3.2	3.0	4.9	4.8	1.0	.6
Farmers and farm managers .....	.7	.9	1.2	1.4	.1	.2
Farm laborers and foremen .....	2.4	2.1	3.6	3.4	.9	.5

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

February 1971  
(In thousands)

Age and sex	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
<b>Total</b> .....	68,640	1,702	12,683	54,256	5,291	484	905	1,614	327
16 to 19 years .....	5,110	370	489	4,251	82	35	153	15	98
16 and 17 years .....	2,026	300	163	1,563	51	23	76	8	71
18 and 19 years .....	3,084	70	325	2,688	31	11	77	8	27
20 to 24 years .....	9,134	108	1,576	7,450	198	20	102	41	28
25 to 34 years .....	15,126	151	2,805	12,170	787	53	177	176	36
35 to 44 years .....	13,983	205	2,685	11,093	1,137	94	146	298	54
45 to 54 years .....	14,188	300	2,934	10,954	1,389	173	155	397	38
55 to 64 years .....	9,121	362	1,874	6,885	1,157	90	118	393	38
55 to 59 years .....	5,500	201	1,119	4,179	670	61	69	192	20
60 to 64 years .....	3,621	160	754	2,706	487	29	49	201	18
65 years and over .....	1,979	206	321	1,452	542	20	54	293	13
<b>Male</b> .....	41,286	143	6,721	34,422	3,920	56	764	1,533	127
16 to 19 years .....	2,678	39	221	2,418	53	27	136	13	81
16 and 17 years .....	1,094	35	85	974	36	19	65	6	58
18 and 19 years .....	1,584	4	136	1,444	16	9	70	6	24
20 to 24 years .....	4,818	11	606	4,201	111	8	84	41	21
25 to 34 years .....	10,030	13	1,550	8,468	554	2	147	163	9
35 to 44 years .....	8,635	8	1,487	7,140	897	2	117	291	3
45 to 54 years .....	8,521	20	1,638	6,863	1,051	--	128	374	5
55 to 64 years .....	5,443	23	1,034	4,385	862	8	97	372	5
55 to 59 years .....	3,271	14	618	2,639	498	6	59	181	2
60 to 64 years .....	2,172	9	417	1,746	364	3	39	191	3
65 years and over .....	1,161	29	186	946	392	7	54	280	3
<b>Female</b> .....	27,354	1,559	5,962	19,833	1,371	428	141	81	200
16 to 19 years .....	2,432	331	268	1,833	29	7	17	2	17
16 and 17 years .....	932	265	78	589	14	5	11	1	13
18 and 19 years .....	1,500	67	190	1,244	15	3	6	1	3
20 to 24 years .....	4,316	97	970	3,249	87	12	18	--	7
25 to 34 years .....	5,096	138	1,255	3,702	233	51	30	14	27
35 to 44 years .....	5,347	196	1,198	3,953	240	92	29	8	51
45 to 54 years .....	5,667	280	1,296	4,091	337	173	27	23	55
55 to 64 years .....	3,678	338	840	2,500	295	82	21	21	33
55 to 59 years .....	2,229	187	502	1,540	172	55	10	11	18
60 to 64 years .....	1,449	151	338	960	123	26	11	10	15
65 years and over .....	818	178	134	506	150	13	--	14	10

## 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					
	Feb. 1971	Feb. 1970	Total		Wage and salary workers <sup>1</sup>			
			Feb. 1971	Feb. 1970	Paid absence <sup>2</sup>		Unpaid absence <sup>2</sup>	
					Feb. 1971	Feb. 1970	Feb. 1971	Feb. 1970
<b>Total</b> .....	3,280	3,429	3,105	3,227	964	1,067	1,684	1,699
Vacation .....	672	588	653	565	406	342	169	141
Illness .....	1,419	1,878	1,370	1,811	453	633	805	970
Bad weather .....	356	277	290	207	-	-	-	-
Industrial dispute .....	61	38	61	38	-	-	-	-
All other reasons .....	773	648	732	607	106	92	710	588
<b>Male</b> .....	1,937	2,104	1,773	1,913	617	720	873	907
Vacation .....	419	405	401	384	281	251	68	68
Illness .....	814	1,077	768	1,015	279	409	431	502
All other reasons .....	704	622	604	514	57	59	373	337
<b>Female</b> .....	1,343	1,325	1,332	1,315	349	347	813	792
Vacation .....	253	182	252	181	126	90	101	73
Illness .....	605	801	602	795	174	225	374	468
All other reasons .....	485	342	478	339	49	32	337	251

<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

February 1971

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
<b>Total at work</b> .....	73,981	71,310	2,671	100.0	100.0	100.0
1-34 hours .....	19,964	18,966	997	27.0	26.6	37.3
1-4 hours .....	847	803	44	1.1	1.1	1.6
5-14 hours .....	4,161	3,835	325	5.6	5.4	12.2
15-29 hours .....	8,929	8,415	514	12.1	11.8	19.2
30-34 hours .....	6,027	5,913	114	8.1	8.3	4.3
35 hours and over .....	54,018	52,344	1,673	73.0	73.4	62.6
35-39 hours .....	5,002	4,829	172	6.8	6.8	6.4
40 hours .....	29,376	29,052	325	39.7	40.7	12.2
41 hours and over .....	19,640	18,463	1,176	26.5	25.9	44.0
41 to 48 hours .....	8,228	8,011	216	11.1	11.2	8.1
49 to 59 hours .....	6,199	5,871	328	8.4	8.2	12.3
60 hours and over .....	5,213	4,581	632	7.0	6.4	23.7
Average hours, total at work .....	38.4	38.2	41.0	-	-	-
Average hours, workers on full-time schedules .....	42.7	42.4	49.7	-	-	-

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

February 1971

(In thousands)

Reasons working part time	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total.....	19,963	8,243	11,720	18,967	7,817	11,150
Economic reasons .....	2,616	1,420	1,196	2,390	1,267	1,123
Slack work.....	1,607	1,189	418	1,425	1,041	384
Material shortages or repairs to plant and equipment.....	56	56	--	52	52	--
New job started during week.....	132	132	--	129	129	--
Job terminated during week.....	43	43	--	43	43	--
Could find only part-time work.....	779	--	779	740	--	740
Other reasons .....	17,346	6,822	10,524	16,577	6,550	10,027
Does not want, or unavailable for, full-time work .....	8,544	--	8,544	8,203	--	8,203
Vacation .....	272	272	--	266	266	--
Illness.....	1,882	1,657	225	1,813	1,633	180
Bad weather.....	1,451	1,451	--	1,250	1,250	--
Industrial dispute.....	26	26	--	26	26	--
Legal or religious holiday.....	2,149	2,149	--	2,144	2,144	--
Full time for this job.....	1,281	--	1,281	1,236	--	1,236
All other reasons.....	1,741	1,267	474	1,637	1,229	408
Average hours:						
Economic reasons.....	21.1	23.9	17.8	21.3	24.3	18.0
Other reasons .....	21.0	26.7	17.3	21.1	27.0	17.3
Worked 30 to 34 hours:						
Economic reasons.....	789	575	214	753	546	207
Other reasons .....	5,238	3,914	1,324	5,160	3,872	1,288

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

February 1971

Industry	Percent distribution							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total <sup>1/</sup> .....	100.0	3.4	14.1	82.6	56.7	11.2	14.7	38.2	42.4
Wage and salary workers .....	100.0	3.2	13.8	83.0	59.0	11.3	12.7	37.8	41.8
Construction .....	100.0	6.2	3.5	90.2	72.0	9.0	9.3	36.9	38.8
Manufacturing .....	100.0	3.4	3.1	93.5	69.2	13.4	10.9	40.1	41.4
Durable goods .....	100.0	2.2	1.9	95.9	71.0	13.6	11.3	40.8	41.5
Nondurable goods.....	100.0	5.1	4.8	90.0	66.6	13.1	10.3	39.3	41.2
Transportation and public utilities .....	100.0	1.9	7.5	90.6	66.1	10.9	13.6	40.0	42.2
Wholesale and retail trade .....	100.0	3.8	23.7	72.5	42.8	14.6	15.1	36.8	43.7
Finance, insurance, and real estate .....	100.0	1.2	10.0	88.8	66.8	8.9	13.1	38.2	40.8
Service industries .....	100.0	3.5	24.0	72.6	50.9	8.5	13.1	35.1	42.1
Private households .....	100.0	11.1	56.6	32.3	19.6	4.9	7.9	23.4	44.7
All other service .....	100.0	2.7	20.7	76.5	54.0	8.9	13.7	36.3	42.0
Public administration .....	100.0	.7	6.2	93.0	73.8	7.4	11.8	39.4	41.0
Self-employed workers .....	100.0	4.8	15.5	79.6	29.0	10.6	40.1	43.6	50.7
Unpaid family workers .....	100.0	3.1	36.8	60.1	27.3	7.2	25.6	38.5	49.4

<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**

February 1971

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
(In thousands)								
<b>TOTAL</b>								
Total, 16 years and over.....	71,310	2,390	10,027	58,893	40,430	18,463	38.2	42.4
16 to 21 years .....	8,207	432	3,647	4,128	3,285	843	27.7	39.9
16 to 19 years .....	5,053	251	2,943	1,859	1,458	401	24.0	39.8
16 and 17 years .....	2,039	65	1,783	191	149	42	16.1	39.9
18 and 19 years .....	3,014	185	1,160	1,669	1,310	359	29.3	39.7
20 years and over .....	66,257	2,139	7,083	57,035	38,973	18,062	39.3	42.5
20 to 24 years .....	9,020	407	1,324	7,289	5,562	1,727	36.4	40.8
25 years and over .....	57,237	1,732	5,759	49,746	33,411	16,335	39.8	42.7
25 to 44 years .....	29,994	848	2,677	26,469	17,434	9,035	40.1	42.8
45 to 64 years .....	24,889	791	2,132	21,966	15,114	6,852	40.1	42.7
65 years and over .....	2,354	94	951	1,309	861	448	31.6	43.6
<b>Males, 16 years and over .....</b>	<b>43,490</b>	<b>1,115</b>	<b>3,274</b>	<b>39,101</b>	<b>24,195</b>	<b>14,906</b>	<b>41.2</b>	<b>43.8</b>
16 to 21 years .....	4,195	215	1,862	2,118	1,509	609	28.9	41.2
16 to 19 years .....	2,665	130	1,538	997	706	291	25.2	40.8
16 and 17 years .....	1,112	32	935	145	110	35	18.2	40.3
18 and 19 years .....	1,553	98	603	852	596	256	30.3	40.9
20 years and over .....	40,825	985	1,736	38,104	23,488	14,616	42.3	43.9
20 to 24 years .....	4,784	183	611	3,990	2,710	1,280	38.3	42.3
25 years and over .....	36,041	802	1,125	34,114	20,778	13,336	42.8	44.1
25 to 44 years .....	19,452	411	301	18,740	11,005	7,735	43.5	44.4
45 to 64 years .....	15,153	340	316	14,497	9,206	5,291	42.7	43.7
65 years and over .....	1,436	52	507	877	568	309	33.3	43.8
<b>Females, 16 years and over .....</b>	<b>27,821</b>	<b>1,275</b>	<b>6,753</b>	<b>19,793</b>	<b>16,237</b>	<b>3,556</b>	<b>33.5</b>	<b>39.7</b>
16 to 21 years .....	4,012	217	1,785	2,010	1,775	235	26.4	38.6
16 to 19 years .....	2,388	121	1,405	862	752	110	22.6	38.5
16 and 17 years .....	927	33	848	46	37	9	13.7	38.3
18 and 19 years .....	1,461	88	557	816	713	103	28.2	38.5
20 years and over .....	25,433	1,154	5,348	18,931	15,484	3,447	34.5	39.8
20 to 24 years .....	4,236	224	713	3,299	2,850	449	34.3	39.0
25 years and over .....	21,197	930	4,635	15,632	12,634	2,998	34.5	40.0
25 to 44 years .....	10,542	437	2,375	7,730	6,434	1,296	33.8	39.2
45 to 64 years .....	9,736	451	1,816	7,469	5,907	1,562	35.8	40.6
65 years and over .....	918	42	443	433	293	140	28.9	43.2
<b>COLOR</b>								
<b>White .....</b>	<b>63,886</b>	<b>1,959</b>	<b>9,092</b>	<b>52,835</b>	<b>35,522</b>	<b>17,313</b>	<b>38.4</b>	<b>42.7</b>
Male .....	39,409	933	2,999	35,477	21,414	14,063	41.5	44.1
Female .....	24,476	1,027	6,093	17,356	14,106	3,250	33.5	39.8
<b>Negro and other races .....</b>	<b>7,424</b>	<b>431</b>	<b>935</b>	<b>6,058</b>	<b>4,908</b>	<b>1,150</b>	<b>36.4</b>	<b>40.3</b>
Male .....	4,080	182	275	3,623	2,780	843	38.7	41.2
Female .....	3,344	248	660	2,436	2,130	306	33.5	39.0
<b>MARITAL STATUS</b>								
<b>Male:</b>								
Married, wife present .....	34,228	734	1,015	32,479	19,592	12,887	42.9	44.1
Widowed, divorced, or separated .....	2,209	83	133	1,993	1,303	690	40.8	43.1
Single (never married) .....	7,053	300	2,126	4,627	3,297	1,330	33.1	41.8
<b>Female:</b>								
Married, husband present .....	16,549	753	4,055	11,741	9,709	2,032	33.6	39.5
Widowed, divorced, or separated .....	5,074	260	802	4,012	3,155	857	36.2	40.5
Single (never married) .....	6,198	261	1,896	4,041	3,374	667	30.8	39.5

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

February 1971

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules		
				Total	40 hours or less	41 hours or more
(Percent distribution)						
<b>TOTAL</b>						
Total, 16 years and over.....	100.0	3.4	14.1	82.6	56.7	25.9
16 to 21 years .....	100.0	5.3	44.4	50.3	40.0	10.3
16 to 19 years .....	100.0	5.0	58.2	36.8	28.9	7.9
16 and 17 years .....	100.0	3.2	87.4	9.4	7.3	2.1
18 and 19 years .....	100.0	6.1	38.5	55.4	43.5	11.9
20 years and over .....	100.0	3.2	10.7	86.1	58.8	27.3
20 to 24 years .....	100.0	4.5	14.7	80.8	61.7	19.1
25 years and over .....	100.0	3.0	10.1	86.9	58.4	28.5
25 to 44 years .....	100.0	2.8	8.9	88.2	58.1	30.1
45 to 64 years .....	100.0	3.2	8.6	88.3	60.7	27.5
65 years and over .....	100.0	4.0	40.4	55.6	36.6	19.0
<b>Males, 16 years and over .....</b>	<b>100.0</b>	<b>2.6</b>	<b>7.5</b>	<b>89.9</b>	<b>55.6</b>	<b>34.3</b>
16 to 21 years .....	100.0	5.1	44.4	50.5	36.0	14.5
16 and 19 years .....	100.0	4.9	57.7	37.4	26.5	10.9
16 and 17 years .....	100.0	2.9	84.1	13.0	9.9	3.1
18 and 19 years .....	100.0	6.3	38.8	54.9	38.4	16.5
20 years and over .....	100.0	2.4	4.3	93.3	57.5	35.8
20 to 24 years .....	100.0	3.8	12.8	83.4	56.6	26.8
25 years and over .....	100.0	2.2	3.1	94.7	57.7	37.0
25 to 44 years .....	100.0	2.1	1.5	96.3	56.6	39.8
45 to 64 years .....	100.0	2.2	2.1	95.7	60.8	34.9
65 years and over .....	100.0	3.6	35.3	61.1	39.6	21.5
<b>Females, 16 years and over .....</b>	<b>100.0</b>	<b>4.6</b>	<b>24.3</b>	<b>71.1</b>	<b>58.4</b>	<b>12.8</b>
16 to 21 years .....	100.0	5.4	44.5	50.1	44.2	5.9
16 to 19 years .....	100.0	5.1	58.8	36.1	31.5	4.6
16 and 17 years .....	100.0	3.6	91.5	5.0	4.0	1.0
18 and 19 years .....	100.0	6.0	38.1	55.9	48.8	7.0
20 years and over .....	100.0	4.5	21.0	74.4	60.9	13.6
20 to 24 years .....	100.0	5.3	16.8	77.9	67.3	10.6
25 years and over .....	100.0	4.4	21.9	73.7	59.6	14.1
25 to 44 years .....	100.0	4.1	22.5	73.3	61.0	12.3
45 to 64 years .....	100.0	4.6	18.7	76.7	60.7	16.0
65 years and over .....	100.0	4.6	48.3	47.2	31.9	15.3
<b>COLOR</b>						
White .....	100.0	3.1	14.2	82.7	55.6	27.1
Male .....	100.0	2.4	7.6	90.0	54.3	35.7
Female .....	100.0	4.2	24.9	70.9	57.6	13.3
Negro and other races .....	100.0	5.8	12.6	81.6	66.1	15.5
Male .....	100.0	4.5	6.7	88.8	68.1	20.7
Female .....	100.0	7.4	19.7	72.8	63.7	9.2
<b>MARITAL STATUS</b>						
Male:						
Married, wife present .....	100.0	2.1	3.0	94.9	57.2	37.7
Widowed, divorced, or separated .....	100.0	3.8	6.0	90.2	59.0	31.2
Single (never married) .....	100.0	4.3	30.1	65.6	46.7	18.9
Female:						
Married, husband present .....	100.0	4.6	24.5	70.9	58.7	12.3
Widowed, divorced, or separated .....	100.0	5.1	15.8	79.1	62.2	16.9
Single (never married) .....	100.0	4.2	30.6	65.2	54.4	10.8

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

February 1971

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
(Thousands of persons)									
<b>TOTAL</b>									
White-collar workers .....	36,467	597	5,179	30,691	20,168	3,889	6,634	39.1	43.1
Professional and technical .....	10,835	137	1,327	9,371	6,029	1,213	2,129	39.5	43.1
Managers, officials, and proprietors .....	8,140	73	339	7,728	3,409	1,184	3,134	46.7	48.1
Clerical workers .....	12,844	231	2,344	10,269	8,736	984	549	35.2	39.2
Sales workers .....	4,648	156	1,169	3,323	1,993	508	822	36.0	43.6
Blue-collar workers .....	24,921	1,243	1,636	22,042	15,921	3,300	2,821	38.9	41.4
Craftsmen and foremen .....	9,428	345	288	8,795	6,072	1,464	1,258	40.4	41.9
Operatives .....	12,080	680	758	10,642	7,807	1,506	1,328	39.1	41.9
Nonfarm laborers .....	3,413	217	590	2,606	2,039	331	235	34.2	39.6
Service workers .....	10,200	568	3,267	6,365	4,455	855	1,055	33.0	42.9
Private household .....	1,513	159	877	477	291	75	111	23.1	44.4
Other service workers .....	8,686	409	2,390	5,887	4,163	780	944	34.7	42.7
<b>MALE</b>									
White-collar workers .....	19,245	218	1,326	17,701	9,519	2,636	5,546	43.4	45.6
Professional and technical .....	6,494	75	422	5,997	3,563	766	1,668	42.6	44.7
Managers, officials, and proprietors .....	6,791	59	174	6,558	2,715	1,025	2,819	47.6	48.6
Clerical workers .....	3,193	31	379	2,783	2,027	433	323	38.4	41.5
Sales workers .....	2,767	53	351	2,363	1,217	411	735	40.9	44.9
Blue-collar workers .....	20,582	804	1,183	18,595	12,883	2,980	2,732	39.7	42.0
Craftsmen and foremen .....	9,034	330	219	8,485	5,837	1,411	1,237	40.7	42.0
Operatives .....	8,368	287	444	7,637	5,122	1,253	1,262	40.7	42.7
Nonfarm laborers .....	3,181	187	520	2,474	1,924	317	233	34.6	39.7
Service workers .....	3,860	106	789	2,965	1,871	443	651	38.2	44.6
Private household .....	35	1	20	14	7	4	3	22.1	44.2
Other service workers .....	3,825	106	769	2,950	1,864	439	647	38.3	44.6
<b>FEMALE</b>									
White-collar workers .....	17,222	379	3,853	12,990	10,649	1,253	1,088	34.4	39.6
Professional and technical .....	4,341	62	904	3,375	2,467	447	461	35.0	40.2
Managers, officials, and proprietors .....	1,349	15	166	1,168	695	159	341	41.9	45.3
Clerical workers .....	9,652	200	1,965	7,487	6,711	550	226	34.1	38.4
Sales workers .....	1,881	103	818	960	777	97	86	28.9	40.2
Blue-collar workers .....	4,338	439	453	3,446	3,037	320	89	35.1	38.5
Craftsmen and foremen .....	394	15	69	310	235	53	21	35.3	39.4
Operatives .....	3,713	393	314	3,006	2,687	253	66	35.4	38.5
Nonfarm laborers .....	232	31	70	131	113	14	4	28.8	38.0
Service workers .....	6,339	462	2,478	3,399	2,583	412	404	29.9	41.3
Private household .....	1,478	158	856	464	286	71	107	23.1	44.5
Other service workers .....	4,861	304	1,621	2,936	2,299	341	297	31.9	40.8



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

February 1971

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			
				Total	40 hours or less	41 to 48 hours	49 hours or more
(Percent distribution)							
<b>TOTAL</b>							
White-collar workers	100.0	1.6	14.2	84.2	55.3	10.7	18.2
Professional and technical	100.0	1.3	12.2	86.5	55.6	11.2	19.6
Managers, officials, and proprietors	100.0	.9	4.2	94.9	41.9	14.5	38.5
Clerical workers	100.0	1.8	18.2	80.0	68.0	7.7	4.3
Sales workers	100.0	3.4	25.2	71.5	42.9	10.9	17.7
Blue-collar workers	100.0	5.0	6.6	88.4	63.9	13.2	11.3
Craftsmen and foremen	100.0	3.7	3.1	93.3	64.4	15.5	13.3
Operatives	100.0	5.6	6.3	88.1	64.6	12.5	11.0
Nonfarm laborers	100.0	6.4	17.3	76.4	59.7	9.7	6.9
Service workers	100.0	5.6	32.0	62.4	43.7	8.4	10.3
Private household	100.0	10.5	58.0	31.5	19.2	5.0	7.3
Other service workers	100.0	4.7	27.5	67.8	47.9	9.0	10.9
<b>MALE</b>							
White-collar workers	100.0	1.1	6.9	92.0	49.5	13.7	28.8
Professional and technical	100.0	1.2	6.5	92.3	54.9	11.8	25.7
Managers, officials, and proprietors	100.0	.9	2.6	96.6	40.0	15.1	41.5
Clerical workers	100.0	1.0	11.9	87.2	63.5	13.6	10.1
Sales workers	100.0	1.9	12.7	85.4	44.0	14.9	26.6
Blue-collar workers	100.0	3.9	5.7	90.3	62.6	14.5	13.3
Craftsmen and foremen	100.0	3.7	2.4	93.9	64.6	15.6	13.7
Operatives	100.0	3.4	5.3	91.3	61.2	15.0	15.1
Nonfarm laborers	100.0	5.9	16.3	77.8	60.5	10.0	7.3
Service workers	100.0	2.7	20.4	76.8	48.5	11.5	16.9
Private household	100.0	2.9	57.1	40.0	20.0	11.4	8.6
Other service workers	100.0	2.8	20.1	77.1	48.7	11.5	16.9
<b>FEMALE</b>							
White-collar workers	100.0	2.2	22.4	75.4	61.8	7.3	6.3
Professional and technical	100.0	1.4	20.8	77.7	56.8	10.3	10.6
Managers, officials, and proprietors	100.0	1.1	12.3	86.6	51.5	11.8	23.3
Clerical workers	100.0	2.1	20.4	77.6	69.5	5.7	2.3
Sales workers	100.0	5.5	43.5	51.0	41.3	5.2	4.6
Blue-collar workers	100.0	10.1	10.4	79.4	70.0	7.4	2.1
Craftsmen and foremen	100.0	3.8	17.5	78.7	59.9	13.5	5.3
Operatives	100.0	10.6	8.5	81.0	72.4	6.8	1.8
Nonfarm laborers	100.0	13.4	30.2	56.5	48.7	6.0	1.7
Service workers	100.0	7.3	39.1	53.6	40.7	6.5	6.4
Private household	100.0	10.7	57.9	31.4	19.4	4.8	7.2
Other service workers	100.0	6.3	33.3	60.4	47.3	7.0	6.1

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

February 1971

(In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Civilian noninstitutional population.....	8,067	4,088	3,979	6,921	3,519	3,402	1,145	569	576
Civilian labor force.....	1,241	682	559	1,150	621	529	91	61	30
Employed.....	1,124	606	519	1,049	555	494	76	51	25
Agriculture.....	91	76	14	88	76	13	2	1	2
Nonagricultural industries.....	1,033	529	504	960	479	481	73	50	23
Unemployed.....	117	77	41	102	66	35	16	10	5
Not in labor force.....	6,825	3,406	3,420	5,771	2,898	2,873	1,054	508	546
Keeping house.....	54	8	47	48	8	40	6	--	7
Going to school.....	6,692	3,354	3,338	5,658	2,852	2,806	1,034	502	532
Unable to work.....	9	7	2	9	7	2	--	--	--
All other reasons.....	70	37	32	56	31	25	14	6	7

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

February 1971

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
<b>CLASS OF WORKER</b>						
Total.....	1,124	606	519	100.0	100.0	100.0
Nonagricultural industries.....	1,033	529	504	91.9	87.3	97.3
Wage and salary workers.....	929	430	498	82.7	71.0	96.1
Private household workers.....	483	90	393	43.0	14.9	75.9
Government workers.....	48	33	14	4.3	5.4	2.7
Other wage and salary workers.....	398	307	91	35.4	50.7	17.6
Self-employed workers.....	88	85	3	7.8	14.0	.6
Unpaid family workers.....	16	13	3	1.4	2.1	.6
Agriculture.....	91	76	14	8.1	12.6	2.7
Wage and salary workers.....	29	21	7	2.6	3.5	1.4
Self-employed workers.....	7	6	1	.6	1.0	.2
Unpaid family workers.....	55	50	6	4.9	8.3	1.2
<b>OCCUPATION</b>						
Total.....	1,124	606	519	100.0	100.0	100.0
White-collar workers.....	262	222	39	23.2	36.7	7.7
Professional and technical.....	20	9	11	1.8	1.5	2.1
Managers, officials, and proprietors.....	2	2	--	.2	.3	--
Clerical workers.....	38	17	21	3.4	2.8	4.0
Sales workers.....	201	194	8	17.9	32.1	1.5
Blue-collar workers.....	177	162	14	15.7	26.8	2.9
Craftsmen and foremen.....	4	3	1	.4	.5	.2
Operatives.....	47	38	9	4.2	6.3	1.7
Nonfarm laborers.....	126	121	5	11.2	20.0	1.0
Service workers.....	598	147	451	53.2	24.3	86.7
Private household workers.....	426	34	392	37.9	5.6	75.4
Other service workers.....	172	113	59	15.3	18.7	11.3
Farm workers.....	88	74	14	7.8	12.2	2.7
Farmers and farm managers.....	6	5	1	.5	.8	.2
Farm laborers and foremen.....	82	69	13	7.3	11.4	2.5

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

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

(In thousands)

Employment status, sex, and age	1971			1970									
	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>Total</b>													
Total labor force .....	86,334	86,873	86,622	86,512	86,379	86,084	85,904	85,865	85,392	85,849	86,031	85,918	85,539
Civilian labor force .....	83,384	83,897	83,609	83,473	83,300	82,975	82,770	82,711	82,213	82,621	82,760	82,600	82,198
Employed .....	78,537	78,864	78,463	78,550	78,691	78,479	78,508	78,574	78,299	78,601	78,886	78,969	78,781
Agriculture .....	3,329	3,413	3,408	3,353	3,293	3,436	3,435	3,508	3,536	3,570	3,569	3,533	3,481
Nonagricultural industries .....	75,208	75,451	75,055	75,197	75,398	75,043	75,073	75,066	74,763	75,031	75,317	75,436	75,300
On part time for economic reasons .....	2,458	2,484	2,533	2,413	2,409	2,075	2,259	2,306	2,124	2,228	2,336	1,935	1,846
Usually work full time .....	1,227	1,377	1,382	1,249	1,347	1,005	1,292	1,248	1,145	1,235	1,378	1,083	1,053
Usually work part time .....	1,231	1,107	1,151	1,164	1,062	1,070	967	1,058	979	993	958	852	793
Unemployed .....	4,847	5,033	5,146	4,923	4,609	4,496	4,262	4,137	3,914	4,020	3,874	3,631	3,417
<b>Men, 20 years and over</b>													
Total labor force .....	49,811	50,074	50,158	50,184	50,134	50,098	49,970	49,975	49,906	49,999	49,994	49,895	49,719
Civilian labor force .....	47,239	47,480	47,531	47,548	47,463	47,401	47,243	47,245	47,154	47,205	47,161	47,035	46,848
Employed .....	45,237	45,425	45,365	45,531	45,531	45,530	45,472	45,507	45,546	45,616	45,657	45,671	45,547
Agriculture .....	2,347	2,435	2,458	2,472	2,444	2,518	2,528	2,576	2,586	2,605	2,592	2,542	2,492
Nonagricultural industries .....	42,890	42,990	42,907	43,059	43,087	43,012	42,944	42,931	42,960	43,011	43,065	43,129	43,055
Unemployed .....	2,002	2,055	2,166	2,017	1,932	1,871	1,771	1,738	1,680	1,589	1,504	1,364	1,301
<b>Women, 20 years and over</b>													
Civilian labor force .....	28,645	28,855	28,644	28,580	28,520	28,249	28,413	28,394	28,057	28,006	28,267	28,242	28,063
Employed .....	27,051	27,211	26,988	26,967	27,084	26,829	27,044	26,996	26,794	26,626	27,019	26,982	26,924
Agriculture .....	551	544	538	519	507	533	521	550	568	562	568	576	603
Nonagricultural industries .....	26,500	26,667	26,450	26,448	26,577	26,296	26,523	26,446	26,226	26,064	26,451	26,406	26,321
Unemployed .....	1,594	1,644	1,656	1,613	1,436	1,420	1,369	1,398	1,263	1,380	1,248	1,260	1,139
<b>Both sexes, 16-19 years</b>													
Civilian labor force .....	7,500	7,562	7,434	7,345	7,317	7,325	7,114	7,072	7,002	7,410	7,332	7,323	7,287
Employed .....	6,249	6,228	6,110	6,052	6,076	6,120	5,992	6,071	5,959	6,359	6,210	6,316	6,310
Agriculture .....	431	434	412	362	342	385	386	382	382	403	409	415	386
Nonagricultural industries .....	5,818	5,794	5,698	5,690	5,734	5,735	5,606	5,689	5,577	5,956	5,801	5,901	5,924
Unemployed .....	1,251	1,334	1,324	1,293	1,241	1,205	1,122	1,001	1,043	1,051	1,122	1,007	977

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

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

(Numbers in thousands)

Full- and part-time employment status, sex, and age	1971			1970									
	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>Full time</b>													
Total, 16 years and over:													
Civilian labor force .....	71,627	71,710	71,937	71,815	71,560	71,422	71,084	71,156	70,772	71,005	70,808	70,669	70,537
Employed .....	67,765	67,766	67,805	67,789	67,914	67,881	67,754	67,902	67,691	67,726	67,830	67,868	67,897
Unemployed .....	3,862	3,944	4,132	4,026	3,646	3,541	3,330	3,254	3,081	3,279	2,978	2,801	2,640
Unemployment rate .....	5.4	5.5	5.7	5.6	5.1	5.0	4.7	4.6	4.4	4.6	4.2	4.0	3.7
Men, 20 years and over:													
Civilian labor force .....	45,048	45,138	45,300	45,268	45,172	45,118	44,958	45,050	44,958	45,013	44,846	44,748	44,629
Employed .....	43,202	43,272	43,318	43,402	43,361	43,403	43,339	43,445	43,476	43,554	43,487	43,504	43,436
Unemployed .....	1,846	1,866	1,982	1,866	1,811	1,715	1,619	1,605	1,482	1,459	1,359	1,244	1,193
Unemployment rate .....	4.1	4.1	4.4	4.1	4.0	3.8	3.6	3.6	3.3	3.2	3.0	2.8	2.7
Women, 20 years and over:													
Civilian labor force .....	22,599	22,575	22,512	22,514	22,481	22,286	22,328	22,303	22,100	21,895	22,069	22,037	22,017
Employed .....	21,331	21,269	21,191	21,178	21,324	21,144	21,245	21,211	21,088	20,716	21,085	21,066	21,129
Unemployed .....	1,268	1,306	1,321	1,336	1,157	1,142	1,083	1,092	1,012	1,179	984	971	888
Unemployment rate .....	5.6	5.8	5.9	5.9	5.1	5.1	4.9	4.9	4.6	5.4	4.5	4.4	4.0
<b>Part time</b>													
Total, 16 years and over:													
Civilian labor force .....	11,747	12,291	11,640	11,736	11,665	11,682	11,793	11,696	11,536	11,488	11,831	11,900	11,641
Employed .....	10,727	11,156	10,637	10,746	10,701	10,702	10,866	10,816	10,740	10,721	10,976	11,076	10,849
Unemployed .....	1,020	1,135	1,003	990	964	980	927	880	796	767	855	824	792
Unemployment rate .....	8.7	9.2	8.6	8.4	8.3	8.4	7.9	7.5	6.9	6.7	7.2	6.9	6.8

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

## HOUSEHOLD DATA SEASONALLY ADJUSTED

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

Characteristics	1971		1970										
	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>White</b>													
<b>Total:</b>													
Civilian labor force .....	74,169	74,803	74,340	74,333	74,211	73,747	73,409	73,473	72,929	73,357	73,550	73,455	73,089
Employed .....	70,204	70,626	70,186	70,215	70,386	70,067	69,910	70,068	69,787	70,059	70,445	70,481	70,316
Unemployed .....	3,965	4,177	4,154	4,118	3,825	3,680	3,499	3,405	3,142	3,298	3,105	2,974	2,773
Unemployment rate .....	5.3	5.6	5.6	5.5	5.2	5.0	4.8	4.6	4.3	4.5	4.2	4.0	3.8
<b>Males, 20 years and over:</b>													
Civilian labor force .....	42,576	42,732	42,666	42,807	42,782	42,616	42,463	42,473	42,440	42,495	42,484	42,374	42,209
Employed .....	40,881	41,011	40,983	41,086	41,117	41,061	40,963	41,015	41,079	41,164	41,232	41,218	41,115
Unemployed .....	1,695	1,721	1,683	1,721	1,665	1,555	1,500	1,458	1,361	1,331	1,252	1,156	1,094
Unemployment rate .....	4.0	4.0	3.9	4.0	3.9	3.6	3.5	3.4	3.2	3.1	2.9	2.7	2.6
<b>Females, 20 years and over:</b>													
Civilian labor force .....	24,869	25,246	25,020	24,922	24,871	24,567	24,650	24,731	24,331	24,284	24,588	24,566	24,414
Employed .....	23,605	23,899	23,618	23,589	23,705	23,416	23,535	23,560	23,325	23,185	23,600	23,552	23,497
Unemployed .....	1,264	1,347	1,402	1,333	1,166	1,151	1,115	1,171	1,006	1,099	988	1,014	917
Unemployment rate .....	5.1	5.3	5.6	5.3	4.7	4.7	4.5	4.7	4.1	4.5	4.0	4.1	3.8
<b>Both sexes, 16 to 19 years:</b>													
Civilian labor force .....	6,724	6,825	6,654	6,604	6,558	6,564	6,296	6,269	6,158	6,578	6,478	6,515	6,466
Employed .....	5,718	5,716	5,585	5,540	5,564	5,590	5,412	5,493	5,383	5,710	5,613	5,711	5,704
Unemployed .....	1,006	1,109	1,069	1,064	994	974	884	776	775	868	865	804	762
Unemployment rate .....	15.0	16.2	16.1	16.1	15.2	14.8	14.0	12.4	12.6	13.2	13.4	12.3	11.8
<b>Negro and other races</b>													
<b>Total:</b>													
Civilian labor force .....	9,268	9,243	9,223	9,181	9,132	9,185	9,245	9,233	9,220	9,245	9,197	9,211	9,158
Employed .....	8,382	8,367	8,347	8,358	8,283	8,378	8,469	8,470	8,443	8,512	8,438	8,549	8,511
Unemployed .....	886	876	876	823	849	807	776	763	777	733	759	662	647
Unemployment rate .....	9.6	9.5	9.5	9.0	9.3	8.8	8.4	8.3	8.4	7.9	8.3	7.2	7.1
<b>Males, 20 years and over:</b>													
Civilian labor force .....	4,705	4,786	4,784	4,742	4,732	4,766	4,770	4,778	4,721	4,716	4,669	4,681	4,670
Employed .....	4,388	4,436	4,425	4,458	4,412	4,460	4,494	4,490	4,444	4,451	4,417	4,466	4,456
Unemployed .....	317	350	359	284	320	306	276	288	277	265	252	215	214
Unemployment rate .....	6.7	7.3	7.5	6.0	6.8	6.4	5.8	6.0	5.9	5.6	5.4	4.6	4.6
<b>Females, 20 years and over:</b>													
Civilian labor force .....	3,800	3,708	3,654	3,655	3,606	3,647	3,680	3,661	3,684	3,692	3,696	3,700	3,658
Employed .....	3,470	3,419	3,388	3,372	3,346	3,383	3,416	3,416	3,429	3,427	3,428	3,455	3,437
Unemployed .....	330	289	266	283	260	264	264	245	255	265	268	245	221
Unemployment rate .....	8.7	7.8	7.3	7.7	7.2	7.2	7.2	6.7	6.9	7.2	7.3	6.6	6.0
<b>Both sexes, 16 to 19 years:</b>													
Civilian labor force .....	763	749	785	784	794	772	795	794	815	837	832	830	830
Employed .....	524	512	534	528	525	535	559	564	570	634	593	628	618
Unemployed .....	239	237	251	256	269	237	236	230	245	203	239	202	212
Unemployment rate .....	31.3	31.6	32.0	32.7	33.9	30.7	29.7	29.0	30.1	24.3	28.7	24.3	25.5

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

(In thousands)

Duration of unemployment	1971		1970										
	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
Less than 5 weeks .....	2,154	2,322	2,456	2,333	2,373	2,271	2,217	2,080	2,001	2,145	2,220	1,964	1,928
5 to 14 weeks .....	1,595	1,624	1,612	1,758	1,490	1,470	1,340	1,322	1,276	1,205	1,094	1,141	1,018
15 weeks and over .....	1,069	1,079	1,084	880	754	788	727	694	661	606	564	540	471
15 to 26 weeks .....	614	666	750	555	496	507	475	458	427	346	369	357	308
27 weeks and over .....	455	413	334	325	258	281	252	236	234	260	195	183	163
Average (mean) duration .....	10.4	10.4	9.7	9.3	8.5	9.0	8.8	9.0	9.4	8.8	8.2	8.4	8.2

# HOUSEHOLD DATA SEASONALLY ADJUSTED

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A-33: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1971		1970										
	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
Total (all civilian workers) . . . . .	5.8	6.0	6.2	5.9	5.5	5.4	5.1	5.0	4.8	4.9	4.7	4.4	4.2
Men, 20 years and over . . . . .	4.2	4.3	4.6	4.2	4.1	3.9	3.7	3.7	3.4	3.4	3.2	2.9	2.8
Women, 20 years and over . . . . .	5.6	5.7	5.8	5.6	5.0	5.0	4.8	4.9	4.5	4.9	4.4	4.5	4.1
Both sexes, 16-19 years . . . . .	16.7	17.6	17.8	17.6	17.0	16.5	15.8	14.2	14.9	14.2	15.3	13.8	13.4
White . . . . .	5.3	5.6	5.6	5.5	5.2	5.0	4.8	4.6	4.3	4.5	4.2	4.0	3.8
Negro and other races . . . . .	9.6	9.5	9.5	9.0	9.3	8.8	8.4	8.3	8.4	7.9	8.3	7.2	7.1
Married men . . . . .	3.2	3.3	3.4	3.2	3.0	2.9	2.8	2.7	2.5	2.5	2.3	2.2	2.0
Full-time workers . . . . .	3.4	3.5	3.7	3.6	3.1	3.0	2.7	2.6	2.4	2.4	2.2	2.1	1.9
Part-time workers . . . . .	8.7	9.2	8.6	8.4	8.3	8.4	7.9	7.5	6.9	6.7	7.2	6.9	6.8
Unemployed 15 weeks and over <sup>1</sup> . . . . .	1.3	1.3	1.3	1.1	.9	.9	.9	.8	.8	.7	.7	.7	.6
State insured <sup>2</sup> . . . . .	3.7	3.7	4.2	4.6	4.5	4.2	3.7	3.5	3.7	3.6	3.0	2.7	2.7
Labor force time lost <sup>3</sup> . . . . .	6.3	6.4	6.4	6.4	6.1	5.9	5.5	5.4	4.9	5.5	5.0	4.8	4.5
<b>Occupation</b>													
White-collar workers . . . . .	3.5	3.5	3.8	3.6	3.0	2.9	2.8	3.0	2.6	2.8	2.8	2.6	2.4
Professional and technical . . . . .	3.3	3.0	2.9	2.6	1.9	2.0	1.9	2.1	1.5	2.0	2.1	2.2	1.7
Managers, officials, and proprietors . . . . .	1.5	1.5	1.7	1.7	1.4	1.5	1.3	1.6	1.4	1.2	1.2	1.2	1.0
Clerical workers . . . . .	4.7	4.9	5.3	5.0	4.3	4.0	3.9	4.3	4.0	3.9	3.9	3.6	3.3
Sales workers . . . . .	3.9	4.1	5.1	4.9	4.0	3.9	4.0	3.9	3.4	4.3	3.9	3.4	3.3
Blue-collar workers . . . . .	7.4	7.6	7.8	7.4	7.3	7.3	6.9	6.5	6.3	6.0	5.6	5.2	5.0
Craftsmen and foremen . . . . .	4.3	5.1	5.0	4.5	4.0	5.3	4.4	4.3	4.0	3.9	3.5	3.1	2.7
Operatives . . . . .	8.4	8.6	9.0	8.8	8.5	7.6	7.8	7.2	6.8	6.7	6.3	6.1	5.9
Nonfarm laborers . . . . .	11.3	10.6	11.0	10.1	11.2	11.2	10.1	9.7	10.2	9.1	8.6	7.5	8.0
Service workers . . . . .	5.9	6.4	6.2	6.0	5.7	5.7	5.5	5.3	5.1	5.0	4.9	4.9	4.7
Farm workers . . . . .	3.2	3.2	3.3	2.7	2.9	3.9	2.6	2.5	1.9	3.4	2.0	2.1	2.1
<b>Industry</b>													
Private wage and salary workers <sup>4</sup> . . . . .	6.1	6.4	6.6	6.2	6.0	5.8	5.5	5.5	5.2	5.2	4.8	4.6	4.2
Construction . . . . .	11.0	11.2	11.8	9.1	11.7	12.7	11.8	10.8	10.6	12.0	8.3	8.1	7.9
Manufacturing . . . . .	6.8	7.2	7.6	7.3	6.7	6.1	5.8	5.8	5.3	5.2	4.7	4.7	4.5
Durable goods . . . . .	7.1	7.2	8.0	8.2	7.3	6.3	5.7	5.7	5.2	4.9	4.9	4.7	4.5
Nondurable goods . . . . .	6.4	7.1	7.2	6.1	5.8	5.8	5.9	6.0	5.5	5.6	4.6	4.6	4.4
Transportation and public utilities . . . . .	4.0	4.6	4.1	3.6	3.5	3.0	3.1	3.3	3.3	3.1	3.7	3.1	2.5
Wholesale and retail trade . . . . .	6.2	6.1	6.7	6.1	5.8	5.7	5.5	5.3	5.3	5.2	5.3	4.7	4.6
Finance and service industries . . . . .	4.8	5.0	4.9	5.1	4.5	4.8	4.4	4.6	4.1	4.2	3.9	3.9	3.2
Government wage and salary workers . . . . .	2.6	2.9	3.0	2.8	2.5	2.0	2.2	2.0	2.0	2.2	2.1	2.0	2.0
Agricultural wage and salary workers . . . . .	9.4	9.0	9.6	8.8	8.4	9.1	8.0	7.9	5.5	9.5	5.9	6.4	6.4

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

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

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

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

## HOUSEHOLD DATA SEASONALLY ADJUSTED

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

Sex and age	1971		1970										
	Feb.	Jan.	Dec.	Nov.	Oct.	Sep.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>Total, 16 years and over</b> .....	5.8	6.0	6.2	5.9	5.5	5.4	5.1	5.0	4.8	4.9	4.7	4.4	4.2
16 to 19 years .....	16.7	17.6	17.8	17.6	17.0	16.5	15.8	14.2	14.9	14.2	15.3	13.8	13.4
16 and 17 years .....	17.4	20.3	19.8	18.6	19.7	19.0	17.3	15.5	16.4	15.9	17.2	15.8	15.7
18 and 19 years .....	16.1	16.0	16.5	16.6	15.1	14.6	14.5	13.4	13.6	13.5	13.3	12.2	11.7
20 to 24 years.....	9.4	9.7	10.2	10.0	9.1	9.3	8.4	8.5	7.6	8.1	7.7	6.9	7.0
25 years and over .....	3.9	4.0	4.2	3.9	3.7	3.5	3.4	3.4	3.2	3.3	3.0	3.0	2.6
25 to 54 years .....	4.0	4.1	4.4	4.2	3.9	3.6	3.6	3.6	3.3	3.3	3.1	3.1	2.7
55 years and over .....	3.6	3.6	3.5	3.3	3.0	3.1	2.8	2.9	2.9	3.2	2.7	2.7	2.4
<b>Males, 16 years and over</b> .....	5.2	5.4	5.6	5.2	5.1	4.9	4.7	4.5	4.3	4.3	4.1	3.7	3.6
16 to 19 years .....	16.2	17.6	17.2	16.5	17.0	16.4	15.7	14.2	15.2	14.8	14.6	12.7	12.9
16 and 17 years .....	17.3	19.8	20.0	17.7	19.8	19.4	17.0	15.4	16.7	16.3	16.5	15.1	15.2
18 and 19 years .....	15.3	15.7	15.0	15.1	14.9	14.2	14.5	13.7	13.5	13.8	13.1	10.9	11.0
20 to 24 years.....	9.7	10.4	10.9	10.4	10.6	10.1	8.7	9.0	7.4	7.7	7.8	6.6	6.7
25 years and over .....	3.4	3.5	3.7	3.4	3.2	3.0	3.0	2.9	2.9	2.8	2.6	2.4	2.2
25 to 54 years .....	3.2	3.4	3.6	3.5	3.3	3.0	3.0	2.9	2.9	2.7	2.5	2.3	2.2
55 years and over .....	3.9	3.8	3.7	3.5	3.0	3.1	3.0	2.8	2.8	3.0	2.7	2.8	2.4
<b>Females, 16 years and over</b> .....	6.8	6.9	7.1	7.0	6.3	6.2	5.9	5.8	5.5	5.8	5.6	5.6	5.1
16 to 19 years .....	17.2	17.7	18.6	19.0	16.9	16.5	15.8	14.1	14.5	13.5	16.1	15.0	14.1
16 and 17 years .....	17.5	21.0	19.4	19.8	19.5	18.6	17.6	15.7	15.9	15.3	18.0	16.8	16.3
18 and 19 years .....	17.0	16.4	18.2	18.4	15.3	14.9	14.6	13.1	13.6	13.0	13.5	13.7	12.6
20 to 24 years.....	9.1	9.0	9.3	9.6	7.4	8.2	8.1	8.0	7.9	8.6	7.6	7.2	7.4
25 years and over .....	4.8	4.9	5.1	4.8	4.6	4.3	4.2	4.3	3.8	4.1	3.8	4.0	3.4
25 to 54 years .....	5.3	5.2	5.7	5.4	5.0	4.7	4.6	4.7	4.2	4.3	4.1	4.4	3.6
55 years and over .....	3.1	3.3	3.1	2.9	3.0	3.0	2.6	3.0	3.0	3.5	2.7	2.5	2.3

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

(Numbers in thousands)

Reason for unemployment	1971		1970										
	Feb.	Jan.	Dec.	Nov.	Oct.	Sep.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>Number of unemployed</b>													
Lost last job .....	2,288	2,281	2,536	2,385	2,208	2,099	1,974	1,824	1,845	1,796	1,578	1,480	1,382
Left last job .....	652	643	614	607	590	540	563	600	559	543	552	478	479
Reentered labor force.....	1,296	1,497	1,472	1,397	1,214	1,335	1,269	1,283	1,086	1,168	1,186	1,189	1,093
Never worked before .....	570	633	581	636	571	552	512	455	470	462	497	460	459
<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 .....	47.6	45.1	48.7	47.5	48.2	46.4	45.7	43.8	46.6	45.3	41.4	41.0	40.5
Left last job .....	13.6	12.7	11.8	12.1	12.9	11.9	13.0	14.4	14.1	13.7	14.5	13.3	14.0
Reentered labor force .....	27.0	29.6	28.3	27.8	26.5	29.5	29.4	30.8	27.4	29.4	31.1	33.0	32.0
Never worked before .....	11.9	12.5	11.2	12.7	12.5	12.2	11.9	10.9	11.9	11.6	13.0	12.8	13.4
<b>Unemployed as a percent of the civilian labor force</b>													
Lost last job .....	2.7	2.7	3.0	2.9	2.7	2.5	2.4	2.2	2.2	2.2	1.9	1.8	1.7
Left last job .....	.8	.8	.7	.7	.7	.7	.7	.7	.7	.7	.7	.6	.6
Reentered labor force.....	1.6	1.8	1.8	1.7	1.5	1.6	1.5	1.6	1.3	1.4	1.4	1.4	1.3
Never worked before .....	.7	.8	.7	.8	.7	.7	.6	.6	.6	.6	.6	.6	.6

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

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

(In thousands)

Sex and age	1971		1970										
	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>Total</b>													
16 years and over .....	78,537	78,864	78,463	78,550	78,691	78,479	78,508	78,574	78,299	78,601	78,886	78,969	78,781
16 to 19 years .....	6,249	6,228	6,110	6,052	6,076	6,120	5,992	6,071	5,959	6,359	6,210	6,316	6,310
16 and 17 years .....	2,709	2,684	2,544	2,541	2,531	2,586	2,540	2,556	2,505	2,688	2,642	2,711	2,730
18 and 19 years .....	3,555	3,555	3,559	3,528	3,559	3,544	3,413	3,486	3,457	3,655	3,571	3,632	3,612
20 to 24 years .....	9,795	9,926	9,879	9,859	9,940	9,858	9,778	9,707	9,617	9,626	9,597	9,591	9,544
25 years and over .....	62,489	62,722	62,461	62,646	62,679	62,506	62,731	62,790	62,743	62,618	63,063	63,080	62,913
25 to 54 years .....	48,619	48,667	48,436	48,577	48,592	48,489	48,655	48,697	48,659	48,665	48,875	48,818	48,784
55 years and over .....	13,928	14,237	14,064	14,015	14,054	13,980	14,035	14,044	13,996	14,006	14,161	14,282	14,172
<b>Male</b>													
16 years and over .....	48,725	48,908	48,870	48,964	48,870	48,898	48,754	48,858	48,824	49,073	49,088	49,217	49,047
16 to 19 years .....	3,488	3,483	3,505	3,433	3,339	3,368	3,282	3,351	3,278	3,457	3,431	3,546	3,500
16 and 17 years .....	1,577	1,561	1,537	1,489	1,439	1,484	1,455	1,500	1,465	1,517	1,529	1,562	1,549
18 and 19 years .....	1,920	1,924	1,973	1,956	1,914	1,890	1,793	1,834	1,820	1,954	1,888	1,996	1,962
20 to 24 years .....	5,322	5,365	5,400	5,342	5,299	5,308	5,250	5,209	5,192	5,213	5,159	5,155	5,112
25 years and over .....	39,926	40,038	39,997	40,165	40,230	40,235	40,234	40,280	40,346	40,415	40,489	40,531	40,437
25 to 54 years .....	31,148	31,094	31,132	31,281	31,290	31,301	31,248	31,298	31,292	31,360	31,380	31,371	31,341
55 years and over .....	8,812	9,007	8,901	8,900	8,938	8,927	8,957	8,979	8,996	9,066	9,114	9,147	9,128
<b>Female</b>													
16 years and over .....	29,812	29,956	29,593	29,586	29,821	29,581	29,754	29,716	29,475	29,528	29,798	29,752	29,734
16 to 19 years .....	2,761	2,745	2,605	2,619	2,737	2,752	2,710	2,720	2,681	2,902	2,779	2,770	2,810
16 and 17 years .....	1,132	1,123	1,007	1,052	1,092	1,102	1,085	1,056	1,040	1,171	1,113	1,149	1,181
18 and 19 years .....	1,635	1,631	1,586	1,572	1,645	1,654	1,620	1,652	1,637	1,701	1,683	1,636	1,650
20 to 24 years .....	4,473	4,561	4,479	4,517	4,641	4,550	4,528	4,498	4,425	4,413	4,438	4,436	4,432
25 years and over .....	22,563	22,684	22,464	22,481	22,469	22,271	22,497	22,510	22,397	22,203	22,574	22,549	22,476
25 to 54 years .....	17,471	17,573	17,304	17,296	17,302	17,188	17,407	17,399	17,367	17,305	17,495	17,447	17,443
55 years and over .....	5,116	5,230	5,163	5,115	5,116	5,053	5,078	5,065	5,000	4,940	5,047	5,135	5,044

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

(In thousands)

Occupation group	1971		1970										
	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>White-collar workers</b> .....	37,791	38,086	38,107	38,165	38,110	38,003	37,950	38,027	38,006	37,932	38,003	37,927	38,897
Professional and technical .....	10,907	10,777	11,132	11,156	11,172	11,234	11,280	11,246	11,175	11,088	11,155	11,026	10,987
Managers, officials, and proprietors .....	8,573	8,729	8,408	8,378	8,349	8,246	8,248	8,308	8,294	8,336	8,214	8,268	8,219
Clerical workers .....	13,265	13,474	13,613	13,700	13,671	13,647	13,543	13,622	13,696	13,700	13,834	13,856	13,881
Sales workers .....	5,046	5,106	4,954	4,931	4,918	4,876	4,879	4,851	4,841	4,808	4,800	4,777	4,810
<b>Blue-collar workers</b> .....	27,196	27,023	27,444	27,695	27,736	27,580	27,683	27,662	27,493	27,736	27,971	28,181	28,174
Craftsmen and foremen .....	10,291	9,985	10,149	10,163	10,205	10,149	10,090	10,093	10,098	10,097	10,180	10,343	10,204
Operatives .....	12,841	12,931	13,583	13,747	13,895	13,728	13,811	13,840	13,845	13,920	14,050	14,047	14,190
Nonfarm laborers .....	4,064	4,107	3,712	3,785	3,636	3,703	3,782	3,729	3,550	3,719	3,741	3,791	3,780
<b>Service workers</b> .....	10,621	10,749	9,799	9,728	9,834	9,915	9,776	9,682	9,595	9,634	9,628	9,678	9,562
Farmers and farm laborers .....	2,944	3,026	3,090	2,990	2,997	3,095	3,086	3,174	3,204	3,221	3,204	3,191	3,127

# ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	10,231	962	1,012	8,257	14,151	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	11,234	929	1,185	9,120	14,593	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	12,741	1,212	1,229	10,300	15,653	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	12,093	1,101	1,321	9,671	15,947	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,503	4,148	6,080	2,905	3,174
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,915	23,672	606	3,285	19,781	44,244	4,310	14,084	3,611	10,473	3,382	10,623	11,845	2,737	9,109
1969.....	70,274	24,225	619	3,437	20,169	46,048	4,431	14,645	3,738	10,907	3,557	11,211	12,204	2,758	9,446
1970.....	70,644	23,362	622	3,347	19,393	47,301	4,498	14,950	3,849	11,102	3,679	11,577	12,597	2,705	9,891
1970:Feb.	70,029	23,449	608	3,071	19,770	46,580	4,420	14,606	3,788	10,818	3,615	11,357	12,582	2,694	9,888
Mar.	70,460	23,565	610	3,161	19,794	46,895	4,443	14,700	3,797	10,903	3,639	11,433	12,680	2,758	9,922
Apr.	70,758	23,529	616	3,286	19,627	47,229	4,432	14,818	3,803	11,015	3,658	11,564	12,757	2,838	9,919
May.	70,780	23,396	620	3,344	19,432	47,384	4,469	14,878	3,813	11,065	3,670	11,641	12,726	2,765	9,961
June	71,385	23,766	635	3,504	19,627	47,619	4,561	14,994	3,872	11,122	3,708	11,717	12,639	2,710	9,929
July	70,602	23,532	635	3,572	19,325	47,070	4,593	14,924	3,902	11,022	3,738	11,698	12,117	2,700	9,417
Aug.	70,527	23,688	636	3,606	19,446	46,839	4,574	14,869	3,886	10,983	3,732	11,648	12,016	2,675	9,341
Sept.	70,922	23,640	628	3,500	19,512	47,282	4,561	14,936	3,869	11,067	3,695	11,634	12,456	2,649	9,807
Oct.	70,692	22,943	622	3,471	18,850	47,749	4,527	15,038	3,884	11,154	3,689	11,677	12,818	2,643	10,175
Nov.	70,644	22,647	623	3,379	18,645	47,997	4,515	15,191	3,886	11,305	3,697	11,660	12,934	2,648	10,286
Dec.	71,234	22,711	621	3,226	18,864	48,523	4,446	15,744	3,890	11,854	3,704	11,645	12,984	2,693	10,291
1971:Jan. p	69,578	22,140	611	2,906	18,623	47,438	4,395	14,895	3,834	11,061	3,704	11,553	12,891	2,640	10,251
Feb. p	69,459	21,981	604	2,803	18,574	47,478	4,405	14,755	3,818	10,937	3,705	11,608	13,005	2,639	10,366

p=preliminary.

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



**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC CODE	Industry	(In thousands)										
		All employees					Production workers <sup>1</sup>					
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	
-	<b>TOTAL</b> .....	69,459	69,578	71,234	69,933	70,664	-	-	-	-	-	
-	<b>PRIVATE SECTOR</b> .....	56,454	56,687	58,250	57,483	58,067	46,435	46,650	48,177	47,373	47,935	
-	<b>MINING</b> .....	604	611	621	611	622	455	461	471	464	473	
10	<b>METAL MINING</b> .....	-	93.7	94.8	91.5	94.8	-	75.3	76.1	74.1	76.4	
101	Iron ores .....	-	25.0	25.7	25.0	26.2	-	20.3	20.9	20.3	21.4	
102	Copper ores .....	-	38.0	37.9	35.0	37.0	-	30.2	30.1	28.3	29.5	
11,12	<b>COAL MINING</b> .....	-	152.4	151.2	139.2	144.4	-	131.8	130.8	120.4	125.1	
12	Bituminous coal and lignite mining .....	-	146.8	145.5	133.5	138.8	-	126.8	125.8	115.4	120.1	
13	<b>OIL AND GAS EXTRACTION</b> .....	-	258.2	262.1	274.4	266.8	-	168.2	172.4	183.6	176.3	
131,2	Crude petroleum and natural gas fields ...	-	138.7	138.9	142.4	141.7	-	70.5	70.9	73.2	72.9	
138	Oil and gas field services .....	-	119.5	123.2	132.0	125.2	-	97.7	101.5	110.4	103.4	
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	-	106.5	112.6	106.2	116.0	-	86.1	91.9	85.7	95.1	
142	Crushed and broken stone .....	-	36.4	39.8	35.4	40.9	-	29.9	33.3	29.2	34.2	
144	Sand and gravel .....	-	34.1	36.2	33.4	37.5	-	-	-	-	-	
	<b>CONTRACT CONSTRUCTION</b> .....	2,803	2,906	3,226	3,048	3,347	2,267	2,365	2,677	2,505	2,793	
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	853.8	944.1	935.3	984.7	-	696.5	785.5	774.2	823.1	
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	564.8	688.3	561.2	737.1	-	460.3	578.0	456.0	625.5	
161	Highway and street construction .....	-	202.6	280.4	204.9	323.5	-	167.3	242.1	168.2	284.3	
162	Heavy construction, n e c .....	-	362.2	407.9	356.3	413.7	-	293.0	335.9	287.8	341.3	
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	1,487.2	1,593.7	1,551.6	1,625.5	-	1,208.2	1,313.9	1,274.4	1,344.7	
171	Plumbing, heating, air conditioning .....	-	379.7	391.8	399.1	394.8	-	301.6	313.2	320.9	316.5	
172	Painting, paper hanging, decorating .....	-	97.0	108.8	107.6	124.9	-	81.0	93.4	91.3	108.8	
173	Electrical work .....	-	271.1	283.1	281.4	284.4	-	213.3	225.2	225.6	227.3	
174	Masonry, stonework, and plastering .....	-	183.9	197.9	202.2	210.6	-	162.9	177.6	180.7	189.4	
176	Roofing and sheet metal work .....	-	104.7	117.4	103.1	115.7	-	84.6	97.1	82.7	95.1	
	<b>MANUFACTURING</b> .....	18,574	18,623	18,864	19,824	19,393	13,410	13,439	13,649	14,402	14,050	
19,24,25, 32-39	<b>DURABLE GOODS</b> .....	10,632	10,664	10,781	11,623	11,203	7,615	7,637	7,735	8,377	8,045	
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	7,942	7,959	8,083	8,201	8,190	5,795	5,802	5,914	6,025	6,005	
	<i>Durable Goods</i>											
19	<b>ORDNANCE AND ACCESSORIES</b> .....	205.6	215.5	219.1	282.8	248.7	105.5	112.1	115.3	158.1	135.4	
192	Ammunition, except for small arms .....	147.7	151.3	152.5	201.7	175.1	71.8	73.4	74.6	106.2	89.1	
1925	Complete guided missiles .....	-	95.0	94.9	112.3	102.1	-	29.4	29.6	34.9	31.7	
1929	Ammunition, exc. for small arms, nec .....	-	56.3	57.6	89.4	73.0	-	44.0	45.0	71.3	57.4	
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	561.8	554.8	560.1	583.8	580.3	481.4	474.5	480.3	502.4	499.7	
241	Logging camps & logging contractors .....	(*)	68.6	69.7	76.2	76.1	-	-	-	-	-	
242	Sawmills and planing mills .....	(*)	204.4	206.6	218.2	215.0	(*)	185.2	187.3	197.8	195.4	
2421	Sawmills and planing mills, general .....	-	172.7	175.1	182.3	181.6	-	156.8	159.1	165.3	165.3	
243	Millwork, plywood & related products .....	165.3	164.0	165.3	164.4	166.3	136.6	135.6	136.8	136.0	137.9	
2431	Millwork .....	-	71.2	72.5	71.4	72.7	-	56.8	58.1	57.1	58.3	
2432	Veneer and plywood .....	-	71.9	71.3	72.9	72.1	-	64.1	63.5	65.2	64.3	
244	Wooden containers .....	30.7	31.1	31.2	34.7	33.5	27.1	27.4	27.6	30.8	29.7	
2441,2	Wooden boxes, shooks, and crates .....	-	24.4	24.7	27.5	26.8	-	21.5	21.9	24.4	23.8	
249	Miscellaneous wood products .....	88.0	86.7	87.3	90.3	89.4	72.8	71.8	72.3	75.9	74.5	

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>				
		Feb. p 1971	Jan. p 1971	Dec. 1970	Jan. 1970	Avg. 1970	Feb. p 1971	Jan. p 1971	Dec. 1970	Jan. 1970	Avg. 1970
<i>Durable Goods--Continued</i>											
25	<b>FURNITURE AND FIXTURES.....</b>	448.0	448.9	453.9	475.6	459.9	367.7	368.5	373.7	393.8	378.9
251	Household furniture.....	320.0	320.0	322.3	330.2	320.8	270.4	270.4	272.7	281.0	271.4
2511	Wood household furniture.....	—	160.3	161.9	166.3	160.3	—	139.7	142.0	146.5	140.7
2512	Upholstered household furniture.....	—	86.7	88.2	87.2	85.8	—	72.9	73.6	73.0	71.3
2515	Mattresses and bedsprings.....	—	37.0	37.4	38.6	37.6	—	28.4	28.8	30.1	29.1
252	Office furniture.....	—	32.6	33.9	41.1	37.3	—	24.9	26.2	32.3	29.0
254	Partitions and fixtures.....	—	48.7	49.3	51.0	51.4	—	36.9	37.5	39.5	39.9
253,9	Other furniture and fixtures.....	47.1	47.6	48.4	53.3	50.4	35.6	36.3	37.3	41.0	38.7
32	<b>STONE, CLAY, AND GLASS PRODUCTS...</b>	598.2	603.1	620.3	632.0	637.7	468.0	474.9	492.2	499.8	506.6
321	Flat glass.....	—	24.2	24.5	25.7	23.9	—	17.8	18.2	19.3	17.6
322	Glass and glassware, pressed or blown...	(*)	127.3	130.4	125.8	131.4	(*)	109.5	112.6	109.6	114.3
3221	Glass containers.....	—	73.7	76.1	70.6	76.0	—	64.6	67.2	62.9	67.7
3229	Pressed and blown glass, n e c.....	—	53.6	54.3	55.2	55.4	—	44.9	45.4	46.7	46.6
324	Cement, hydraulic.....	31.3	31.5	32.1	34.2	34.1	24.0	24.2	24.8	26.1	26.4
325	Structural clay products.....	53.1	54.3	55.8	58.7	58.0	42.6	44.1	45.3	47.5	47.1
3251	Brick and structural clay tile.....	—	24.1	24.9	25.4	25.5	—	20.6	21.4	21.8	22.0
326	Pottery and related products.....	—	40.7	41.3	44.7	43.2	—	33.8	34.5	37.3	36.0
327	Concrete, gypsum, and plaster products...	167.5	168.4	177.6	176.7	183.6	128.2	129.1	138.3	135.5	142.7
328,9	Other stone and nonmetallic mineral products	128.5	128.8	121.1	138.0	135.9	94.2	94.7	97.1	102.2	101.1
3291	Abrasive products.....	—	24.8	25.2	27.4	26.5	—	16.9	17.2	18.8	18.2
33	<b>PRIMARY METAL INDUSTRIES.....</b>	1,245.1	1,245.1	1,243.9	1,351.4	1,306.3	983.8	984.9	981.2	1,079.1	1,035.8
331	Blast furnace and basic steel products...	(*)	602.5	596.8	638.1	628.9	(*)	481.5	474.0	509.3	501.0
3312	Blast furnaces and steel mills.....	—	527.1	521.1	556.3	549.6	—	423.0	415.5	446.2	439.9
332	Iron and steel foundries.....	(*)	217.1	218.4	238.5	226.2	(*)	179.1	180.1	200.3	187.9
3321	Gray iron foundries.....	—	134.7	135.6	150.0	140.5	—	112.7	113.3	128.2	118.5
3322	Malleable iron foundries.....	—	22.8	22.6	23.7	22.3	—	19.1	18.9	19.8	18.5
3323	Steel foundries.....	—	59.6	60.2	64.8	63.4	—	47.3	47.9	52.3	50.9
333,4	Nonferrous metals.....	82.3	83.0	84.3	85.8	86.3	63.5	64.0	65.2	66.8	66.7
3334	Primary aluminum.....	—	29.2	30.1	30.0	30.9	—	23.6	24.5	24.8	25.2
335	Nonferrous rolling and drawing.....	202.1	199.5	201.1	220.3	210.1	147.6	146.4	148.1	165.6	155.8
3351	Copper rolling and drawing.....	—	38.9	39.6	46.1	43.1	—	28.3	28.7	34.7	31.9
3352	Aluminum rolling and drawing.....	—	63.8	64.7	72.1	68.3	—	46.0	46.6	53.2	49.7
3357	Nonferrous wire drawing and insulating..	—	75.4	75.5	78.3	76.3	—	57.3	57.5	60.8	58.4
336	Nonferrous foundries.....	76.6	75.6	75.9	91.9	83.8	62.0	61.2	61.3	75.9	68.6
3361	Aluminum castings.....	—	39.3	39.1	48.0	43.7	—	32.3	32.1	40.3	36.4
3362,9	Other nonferrous castings.....	—	36.3	36.8	43.9	40.1	—	28.9	29.2	35.6	32.1
339	Miscellaneous primary metal products....	66.1	67.4	67.4	76.8	71.0	51.6	52.7	52.5	61.2	55.8
3391	Iron and steel forgings.....	—	45.6	45.7	50.7	47.0	—	36.1	36.0	40.7	37.3
34	<b>FABRICATED METAL PRODUCTS.....</b>	1,328.1	1,334.1	1,353.3	1,433.1	1,386.1	1,007.8	1,012.1	1,030.2	1,097.0	1,055.4
341	Metal cans.....	70.3	70.2	69.5	69.3	70.4	60.0	59.9	59.3	58.0	59.5
342	Cutlery, hand tools, and hardware.....	153.1	153.9	157.0	164.6	154.6	118.8	119.7	122.6	128.1	118.8
3421,3,5	Cutlery and hand tools, incl. saws.....	—	63.9	65.0	68.1	65.6	—	49.1	50.1	52.5	50.4
3429	Hardware, n e c.....	—	90.0	92.0	96.5	89.0	—	70.6	72.5	75.6	68.4
343	Plumbing and heating, except electric....	78.6	79.0	80.3	85.7	82.1	57.8	57.8	59.1	63.9	60.4
3431,2	Sanitary ware & plumbers' brass goods..	—	34.5	34.5	37.9	35.7	—	27.0	27.0	30.3	28.1
3433	Heating equipment, except electric.....	—	44.5	45.8	47.8	46.4	—	30.8	32.1	33.6	32.3
344	Fabricated structural metal products.....	403.2	406.8	414.6	429.5	424.7	286.6	289.8	296.6	309.5	305.4
3441	Fabricated structural steel.....	—	105.2	107.7	110.1	108.7	—	77.3	79.4	81.1	80.1
3442	Metal doors, sash, and trim.....	—	62.2	65.4	66.7	66.3	—	44.5	47.5	47.8	47.7
3443	Fabricated plate work (boiler shops)....	—	119.7	120.7	121.1	121.8	—	84.0	84.9	85.4	86.1
3444	Sheet metal work.....	—	74.9	75.4	82.1	80.2	—	53.1	53.3	59.6	57.8
3446,9	Architectural and misc. metal work.....	—	44.8	45.4	49.5	47.7	—	30.9	31.5	35.6	33.7
345	Screw machine products, bolts, etc.....	100.3	100.8	101.5	117.5	109.6	76.9	77.4	77.9	92.1	85.0
3451	Screw machine products.....	—	44.1	44.8	51.8	48.7	—	36.0	36.7	43.5	40.4
3452	Bolts, nuts, rivets, and washers.....	—	56.7	56.7	65.7	60.9	—	41.4	41.2	48.6	44.6
346	Metal stampings.....	225.4	226.7	231.8	245.6	233.9	180.3	180.9	186.3	197.8	187.3
347	Metal services, n e c.....	81.1	80.6	82.6	92.5	88.6	65.7	65.8	67.4	75.7	72.6
348	Misc. fabricated wire products.....	63.7	63.1	63.5	69.3	65.4	50.3	49.6	50.0	55.1	51.7
349	Misc. fabricated metal products.....	152.4	153.0	152.5	159.1	156.9	111.4	111.2	111.0	116.8	114.7
3494,8	Valves, pipe, and pipe fittings.....	—	92.0	91.7	95.5	93.8	—	64.3	64.5	67.5	66.0

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
<i>Durable Goods--Continued</i>											
35	<b>MACHINERY, EXCEPT ELECTRICAL . . . .</b>	1,821.1	1,820.9	1,838.5	2,044.6	1,964.1	1,196.1	1,193.0	1,205.8	1,385.4	1,310.2
351	Engines and turbines . . . . .	(*)	105.4	106.3	100.2	106.8	(*)	70.2	71.1	66.2	72.4
3511	Steam engines and turbines . . . . .	-	35.0	34.9	27.1	36.5	-	18.7	18.7	12.1	21.1
3519	Internal combustion engines, n e c . . . . .	-	70.4	71.4	73.1	70.3	-	51.5	52.4	54.1	51.3
352	Farm machinery . . . . .	-	121.9	120.2	135.1	128.7	-	86.2	84.8	97.2	91.1
353	Construction and related machinery . . . . .	277.6	275.3	277.3	299.7	290.3	180.6	177.2	179.0	200.8	191.3
3531,2	Construction and mining machinery . . . . .	-	144.2	145.1	157.3	152.3	-	96.0	97.1	109.6	104.3
3533	Oil field machinery . . . . .	-	44.6	45.1	47.4	46.7	-	30.1	30.3	33.1	32.0
3535,6	Conveyors, hoists, cranes, monorails . . . . .	-	40.0	40.6	43.9	42.7	-	23.8	24.3	27.2	26.0
3537	Industrial trucks and tractors . . . . .	-	30.7	30.7	35.9	33.1	-	19.1	19.0	23.1	20.9
354	Metal working machinery . . . . .	284.0	284.6	287.0	347.0	320.5	204.6	205.0	207.2	258.9	235.6
3541	Machine tools, metal cutting types . . . . .	-	58.4	58.1	79.1	70.3	-	37.4	36.4	53.5	46.2
3544	Special dies, tools, jigs, & fixtures . . . . .	-	105.0	107.2	129.0	118.4	-	83.2	85.1	106.2	95.7
3545	Machine tool accessories . . . . .	-	49.2	48.8	58.4	55.3	-	34.0	34.4	42.2	39.6
3542,8	Misc. metal working machinery . . . . .	-	72.0	72.9	80.5	76.6	-	50.4	51.3	57.0	54.0
355	Special industry machinery . . . . .	176.5	178.6	181.6	204.7	193.7	114.2	114.8	117.5	135.0	126.2
3551	Food products machinery . . . . .	-	40.8	41.2	44.3	42.9	-	25.3	25.7	28.4	27.1
3552	Textile machinery . . . . .	-	33.1	33.7	40.7	36.8	-	24.2	24.8	30.5	27.2
3555	Printing trades machinery . . . . .	-	29.8	29.9	34.2	32.0	-	18.3	18.5	21.7	20.0
356	General industrial machinery . . . . .	255.0	257.3	260.5	293.1	280.4	167.1	168.8	170.8	196.2	185.7
3561	Pumps and compressors . . . . .	-	69.4	70.1	77.3	74.5	-	41.1	41.2	45.2	43.8
3562	Ball and roller bearings . . . . .	-	51.6	51.9	62.8	58.7	-	38.9	39.1	48.6	45.0
3564	Blowers and fans . . . . .	-	30.5	30.7	32.5	31.8	-	19.5	19.8	21.3	20.6
3566	Power transmission equipment . . . . .	-	48.7	49.5	54.2	52.2	-	34.2	34.9	39.0	37.1
357	Office and computing machines . . . . .	261.0	261.5	268.4	290.7	284.7	122.7	123.4	127.2	149.8	140.7
3573	Electronic computing equipment . . . . .	-	175.6	180.1	192.3	190.2	-	64.6	66.1	78.0	73.3
358	Service industry machines . . . . .	132.2	132.7	133.2	142.8	140.6	92.0	92.3	92.5	100.8	98.7
3585	Refrigeration machinery . . . . .	-	86.5	87.2	93.4	93.0	-	60.7	61.0	66.3	65.8
359	Misc. machinery, except electrical . . . . .	203.7	203.6	204.0	231.3	218.5	155.1	155.1	155.7	180.5	168.5
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	1,797.1	1,800.5	1,825.7	1,928.2	1,913.4	1,189.2	1,189.0	1,206.2	1,252.5	1,264.3
361	Electric test & distributing equipment . . . . .	(*)	207.6	208.4	202.6	215.6	(*)	140.8	141.9	134.3	146.9
3611	Electric measuring instruments . . . . .	-	65.5	66.1	72.3	70.7	-	40.2	40.4	44.7	43.9
3612	Transformers . . . . .	-	55.9	56.9	48.5	58.4	-	40.3	41.0	33.2	42.3
3613	Switchgear and switchboard apparatus . . . . .	-	86.2	85.4	81.8	86.5	-	60.3	60.5	56.4	60.7
362	Electrical industrial apparatus . . . . .	200.8	204.5	205.2	206.9	217.7	137.1	139.6	138.8	137.4	149.5
3621	Motors and generators . . . . .	-	107.9	108.4	104.1	115.0	-	75.5	75.0	69.9	80.7
3622	Industrial controls . . . . .	-	55.9	56.2	62.2	60.2	-	35.1	34.8	38.9	38.3
363	Household appliances . . . . .	(*)	168.8	175.0	159.8	179.0	(*)	132.0	137.1	123.8	142.6
3632	Household refrigerators and freezers . . . . .	-	49.5	49.7	50.8	56.3	-	39.4	39.6	41.8	46.9
3633	Household laundry equipment . . . . .	-	28.1	29.3	22.0	27.5	-	22.9	23.3	16.6	21.9
3634	Electric housewares and fans . . . . .	-	41.5	45.3	40.8	45.0	-	32.0	35.7	31.0	35.4
364	Electric lighting and wiring equipment . . . . .	193.5	195.8	199.2	198.0	204.6	147.8	150.4	153.8	150.9	158.0
3641	Electric lamps . . . . .	-	46.3	46.6	33.0	45.8	-	40.8	41.0	28.3	40.6
3642	Lighting fixtures . . . . .	-	63.0	64.6	67.3	64.6	-	48.3	49.8	52.2	49.6
3643,4	Wiring devices . . . . .	(*)	86.5	88.0	97.7	94.2	-	61.3	63.0	70.4	67.9
365	Radio and TV receiving equipment . . . . .	(*)	134.9	138.9	135.2	132.9	(*)	100.5	103.6	96.0	96.6
366	Communication equipment . . . . .	453.3	457.9	463.4	525.7	494.7	230.5	232.6	234.0	259.7	246.7
3661	Telephone and telegraph apparatus . . . . .	-	167.0	165.5	161.5	165.8	-	111.3	110.1	109.2	111.1
3662	Radio and TV communication equipment . . . . .	-	290.9	297.9	364.2	328.8	-	121.3	123.9	150.5	135.6
367	Electronic components and accessories . . . . .	315.1	316.2	318.6	380.8	351.5	205.9	205.9	207.5	260.0	234.9
3671-3	Electron tubes . . . . .	-	62.4	62.5	64.1	63.3	-	43.3	43.5	42.5	42.9
3674,9	Other electronic components . . . . .	-	253.8	256.1	316.7	288.1	-	162.6	164.0	217.5	192.0
369	Misc. electrical equipment & supplies . . . . .	114.9	114.8	117.0	119.2	117.4	87.1	87.2	89.5	90.4	89.2
3694	Engine electrical equipment . . . . .	-	59.3	60.1	65.8	60.1	-	46.1	46.8	51.4	46.2
37	<b>TRANSPORTATION EQUIPMENT . . . . .</b>	1,800.6	1,811.1	1,815.6	1,999.4	1,823.8	1,256.8	1,267.3	1,270.8	1,397.2	1,253.5
371	Motor vehicles and equipment . . . . .	(*)	880.1	872.2	902.5	809.8	(*)	683.0	676.1	697.2	613.0
3711	Motor vehicles . . . . .	-	390.7	387.3	399.0	350.4	-	283.9	282.9	292.5	249.8
3712	Passenger car bodies . . . . .	-	66.1	60.6	55.6	47.4	-	57.6	52.4	45.9	37.2
3713	Truck and bus bodies . . . . .	-	37.7	37.1	39.7	38.6	-	29.9	29.2	32.3	30.9
3714	Motor vehicle parts and accessories . . . . .	-	364.3	365.8	377.2	348.4	-	296.0	296.0	302.4	276.5
3715	Truck trailers . . . . .	-	21.3	21.4	31.0	25.0	-	15.6	15.6	24.1	18.6
372	Aircraft and parts . . . . .	614.5	615.7	627.5	764.1	689.9	326.9	333.4	341.8	341.7	380.4
3721	Aircraft . . . . .	-	338.9	344.8	441.6	387.8	-	174.4	179.5	243.1	206.7
3722	Aircraft engines and engine parts . . . . .	-	168.4	172.4	186.5	180.0	-	89.2	91.5	99.5	95.0
3723,9	Other aircraft parts and equipment . . . . .	-	108.4	110.3	136.0	122.1	-	69.8	70.8	89.1	78.7
373	Ship and boat building and repairing . . . . .	(*)	163.5	163.7	184.3	169.3	(*)	130.4	131.1	148.8	135.7
3731	Ship building and repairing . . . . .	-	130.9	131.6	139.7	133.5	-	104.4	105.7	112.9	107.4

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)					Production workers <sup>1</sup>				
		All employees									
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
	<i>Durable Goods--Continued</i>										
	<b>TRANSPORTATION EQUIPMENT--Continued</b>										
3732	Boat building and repairing.....	-	32.6	32.1	44.6	35.9	-	26.0	25.4	35.9	28.3
374	Railroad equipment.....	-	49.2	49.8	49.1	51.8	-	37.6	38.2	37.5	39.8
375,9	Other transportation equipment.....	-	102.6	102.4	99.4	103.1	-	82.9	83.6	82.0	84.6
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	434.0	436.7	440.3	472.6	459.0	259.8	261.2	264.2	288.8	278.2
381	Engineering & scientific instruments.....	-	62.1	63.0	73.1	68.3	-	29.9	30.4	35.1	33.1
382	Mechanical measuring & control devices.....	101.8	102.2	102.0	115.4	109.2	61.6	61.4	61.4	72.4	67.2
3821	Mechanical measuring devices.....	-	63.8	64.3	72.6	69.1	-	35.8	36.3	42.8	40.0
3822	Automatic temperature controls.....	-	38.4	37.7	42.8	40.1	-	25.6	25.1	29.6	27.1
383,5	Optical and ophthalmic goods.....	50.1	50.6	51.5	54.7	53.7	34.1	34.8	35.3	38.7	37.1
385	Ophthalmic goods.....	-	34.6	34.9	35.5	35.6	-	25.8	26.1	27.0	26.9
384	Medical instruments and supplies.....	85.9	85.8	85.9	85.2	84.9	56.7	56.7	57.2	57.3	56.7
386	Photographic equipment and supplies.....	104.2	105.6	107.2	111.6	110.3	53.7	54.2	55.3	59.0	57.8
387	Watches, clocks, and watchcases.....	-	30.4	30.7	32.6	32.6	-	24.2	24.6	26.3	26.4
	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>										
39	<b>INDUSTRIES</b>	392.2	393.1	410.2	419.0	423.8	299.3	299.2	314.8	322.8	327.0
391	Jewelry, silverware, and plated ware.....	48.7	49.0	50.6	52.7	51.1	36.0	36.2	37.3	39.7	38.1
394	Toys and sporting goods.....	-	99.5	106.6	106.3	115.6	-	78.1	84.5	84.7	92.9
3941-3	Games, toys, dolls, & play vehicles.....	-	51.1	57.7	54.7	65.4	-	39.1	45.4	42.9	52.7
3949	Sporting and athletic goods, n e c.....	-	48.4	48.9	51.6	50.1	-	39.0	39.1	41.8	40.2
395	Pens, pencils, office, and art supplies.....	-	32.4	32.8	35.2	34.8	-	22.8	23.2	25.4	24.9
396	Costume jewelry and notions.....	-	53.6	57.3	57.6	57.7	-	43.1	46.5	47.1	47.1
393,9	Other manufacturing industries.....	(*)	158.6	162.9	167.2	164.8	(*)	119.0	123.3	125.9	124.0
393	Musical instruments and parts.....	-	21.3	21.7	24.3	22.1	-	16.7	17.2	19.1	17.3
	<i>Nondurable Goods</i>										
20	<b>FOOD AND KINDRED PRODUCTS</b>	1,691.0	1,708.3	1,765.3	1,744.3	1,795.9	1,118.2	1,131.1	1,186.1	1,159.4	1,208.9
201	Meat products.....	328.9	338.6	346.8	335.4	343.1	267.6	276.8	285.2	270.4	279.4
2011	Meat packing plants.....	-	183.2	182.7	184.9	183.8	-	146.5	145.8	144.8	145.0
2013	Sausages and other prepared meats.....	-	60.4	61.0	58.9	59.7	-	44.4	44.9	42.5	43.3
2015	Poultry dressing plants.....	-	95.0	103.1	91.6	99.7	-	85.9	94.5	83.1	91.1
202	Dairy products.....	230.2	231.9	233.1	239.1	240.7	108.9	109.6	110.1	111.7	114.3
2024	Ice cream and frozen desserts.....	-	22.0	21.8	21.7	23.7	-	11.0	11.0	10.8	12.2
2026	Fluid milk.....	-	165.3	166.1	172.4	171.0	-	64.2	64.6	66.3	66.5
203	Canned, cured, and frozen foods.....	-	230.7	255.4	242.9	285.1	-	184.5	209.6	197.7	238.7
2031,6	Canned, cured, and frozen sea foods.....	-	31.0	39.3	37.7	41.1	-	25.9	34.4	32.4	35.9
2032,3	Canned food, except sea foods.....	-	106.4	115.7	107.9	141.0	-	80.0	89.3	82.4	114.4
2037	Frozen fruits and vegetables.....	-	60.6	66.4	66.6	68.3	-	52.8	59.0	59.0	60.6
204	Grain mill products.....	(*)	136.6	136.6	134.5	136.7	(*)	97.0	97.5	95.3	97.4
2041	Flour and other grain mill products.....	-	29.2	29.2	29.1	28.8	-	21.8	21.8	21.5	21.4
2042	Prepared feeds for animals and fowls.....	-	65.9	65.4	64.3	66.1	-	43.5	43.6	42.8	44.5
205	Bakery products.....	273.8	275.5	279.7	281.8	282.0	160.0	161.8	165.3	166.8	166.7
2051	Bread, cake, and related products.....	-	228.8	232.9	233.5	234.4	-	124.0	127.6	127.3	128.0
2052	Cookies and crackers.....	-	46.7	46.8	48.3	47.6	-	37.8	37.7	39.5	38.7
206	Sugar.....	-	39.5	45.1	43.4	37.6	-	31.1	36.4	34.8	29.1
207	Confectionery and related products.....	79.4	79.6	85.2	88.2	84.3	63.8	63.6	68.8	72.1	68.5
2071	Confectionery products.....	-	63.4	69.2	71.5	67.9	-	51.4	56.8	59.6	56.2
208	Beverages.....	233.3	234.8	239.4	233.8	242.2	115.4	115.8	119.6	116.7	121.9
2082	Malt liquors.....	-	56.8	58.1	58.9	59.7	-	37.0	38.2	38.8	39.5
2086	Bottled and canned soft drinks.....	-	131.3	131.4	129.3	133.9	-	47.6	47.7	47.4	49.7
209	Misc. foods and kindred products.....	140.9	141.1	144.0	145.2	144.2	91.0	90.9	93.6	93.9	93.0
21	<b>TOBACCO MANUFACTURES</b>	71.2	75.6	81.1	79.9	79.0	58.9	62.7	68.2	66.7	65.7
211	Cigarettes.....	-	40.6	42.1	40.2	41.6	-	32.7	34.3	32.5	33.7
212	Cigars.....	-	16.0	16.4	17.9	17.3	-	14.4	14.9	16.3	15.6
22	<b>TEXTILE MILL PRODUCTS</b>	942.5	941.6	948.6	987.6	964.8	827.0	825.8	832.3	868.1	846.9
221	Weaving mills, cotton.....	220.6	221.6	222.0	224.8	221.9	200.3	201.3	201.8	204.4	201.5
222	Weaving mills, synthetics.....	93.0	93.2	93.6	101.2	96.0	81.8	81.9	82.2	89.7	84.4
223	Weaving and finishing mills, wool.....	32.6	32.9	33.5	41.0	38.2	27.6	27.9	28.4	35.2	32.5
224	Narrow fabric mills.....	28.9	29.5	29.4	31.6	30.1	25.5	26.1	26.0	28.0	26.5
225	Knitting mills.....	225.8	222.4	225.5	236.6	235.1	197.6	194.1	197.4	207.1	206.1
2251	Women's hosiery, except socks.....	-	55.6	56.7	67.0	63.1	-	49.6	50.6	60.4	56.6
2252	Hosiery, n e c.....	-	33.6	34.2	35.6	35.4	-	29.9	30.5	31.7	31.6
2253	Knit outerwear mills.....	-	65.5	67.2	63.9	67.6	-	56.0	57.8	54.1	58.1
2254	Knit underwear mills.....	-	28.8	29.1	31.1	29.7	-	25.3	25.7	27.5	26.1

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
<i>Nondurable Goods--Continued</i>											
<b>TEXTILE MILL PRODUCTS--Continued</b>											
226	Textile finishing, except wool .....	84.1	83.1	84.3	83.4	83.1	71.2	70.2	71.2	70.7	70.4
227	Floor covering mills .....	-	54.5	55.6	58.3	55.2	-	43.0	44.2	46.5	43.8
228	Yarn and thread mills .....	133.2	133.4	132.8	132.1	131.1	123.1	122.9	122.3	122.0	121.0
229	Miscellaneous textile goods .....	70.3	71.0	71.9	78.6	74.2	57.5	58.4	58.8	64.5	60.7
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS...</b>	<b>1,368.2</b>	<b>1,355.6</b>	<b>1,374.8</b>	<b>1,388.8</b>	<b>1,385.3</b>	<b>1,199.3</b>	<b>1,186.7</b>	<b>1,204.4</b>	<b>1,218.1</b>	<b>1,214.2</b>
231	Men's and boys' suits and coats .....	117.7	118.9	120.4	132.4	126.2	103.2	104.5	105.2	115.5	109.9
232	Men's and boys' furnishings .....	(*)	377.0	378.9	370.2	379.8	(*)	332.3	334.3	327.8	336.1
2321	Men's and boys' shirts and nightwear ..	-	118.0	120.2	118.3	122.1	-	104.7	107.0	105.8	109.2
2327	Men's and boys' separate trousers .....	-	81.9	81.3	80.0	81.2	-	73.4	72.9	72.5	73.5
2328	Men's and boys' work clothing .....	-	88.2	87.1	84.9	86.1	-	76.1	75.0	73.2	74.0
233	Women's and misses' outerwear .....	437.1	428.9	433.7	434.6	431.6	387.8	380.3	384.5	386.7	383.0
2331	Women's and misses' blouses and waists ..	-	51.5	52.0	51.8	52.6	-	46.1	46.4	46.7	47.2
2335	Women's and misses' dresses .....	-	207.6	205.7	205.7	204.5	-	187.5	185.1	185.4	184.1
2337	Women's and misses' suits and coats .....	-	73.0	79.8	84.0	81.6	-	62.9	69.8	74.2	71.7
2339	Women's and misses' outerwear, n e c ..	-	96.8	96.2	93.1	92.9	-	83.8	83.2	80.4	80.0
234	Women's and children's undergarments .....	113.8	113.4	116.8	119.3	117.8	99.0	98.1	101.5	103.1	102.3
2341	Women's and children's underwear .....	-	80.4	82.5	82.5	83.2	-	70.5	72.8	72.6	73.4
2342	Corsets and allied garments .....	-	33.0	34.3	36.8	34.7	-	27.6	28.7	30.5	28.9
235	Hats, caps, and millinery .....	-	17.1	17.5	19.3	18.5	-	15.2	15.6	17.3	16.6
236	Children's outerwear .....	77.1	75.0	72.9	75.4	75.4	68.7	66.7	64.7	67.0	67.0
2361	Children's dresses and blouses .....	-	32.0	30.9	33.2	32.4	-	28.8	27.8	30.0	29.2
237,8	Fur goods and miscellaneous apparel .....	-	67.5	71.8	71.8	73.4	-	56.8	61.0	61.0	62.7
239	Misc. fabricated textile products .....	160.6	157.8	162.8	165.8	162.8	135.6	132.8	137.6	139.7	136.7
2391,2	Housefurnishings .....	-	63.1	65.9	64.9	64.5	-	53.6	56.3	55.9	55.3
26	<b>PAPER AND ALLIED PRODUCTS .....</b>	<b>691.9</b>	<b>693.5</b>	<b>701.8</b>	<b>716.0</b>	<b>710.0</b>	<b>528.7</b>	<b>530.8</b>	<b>538.8</b>	<b>553.2</b>	<b>547.1</b>
261,2,6	Paper and pulp mills .....	219.5	218.7	220.3	225.9	224.1	167.1	167.2	169.1	174.7	172.6
263	Paperboard mills .....	69.5	70.6	70.5	71.1	71.4	54.4	55.4	55.7	56.9	57.2
264	Misc. converted paper products .....	184.0	185.0	187.3	189.1	188.3	134.0	134.7	136.6	137.7	137.1
2643	Bags, except textile bags .....	-	41.9	42.4	43.5	42.7	-	33.2	33.6	35.1	34.2
265	Paperboard containers and boxes .....	218.9	219.2	223.7	229.9	226.3	173.2	173.5	177.4	183.9	180.2
2651,2	Folding and setup paperboard boxes .....	-	66.5	68.8	69.8	68.9	-	54.6	56.7	57.7	56.8
2653	Corrugated and solid fiber boxes .....	-	104.6	106.4	110.7	108.1	-	79.6	81.1	85.7	82.9
2654	Sanitary food containers .....	-	29.5	29.8	29.6	30.0	-	24.0	24.3	24.1	24.4
27	<b>PRINTING AND PUBLISHING .....</b>	<b>1,091.4</b>	<b>1,094.8</b>	<b>1,106.4</b>	<b>1,107.7</b>	<b>1,106.3</b>	<b>667.3</b>	<b>670.0</b>	<b>681.7</b>	<b>686.7</b>	<b>682.0</b>
271	Newspapers .....	371.6	370.9	373.7	370.6	373.0	181.2	179.8	182.0	180.4	181.3
272	Periodicals .....	-	74.9	74.6	75.1	74.8	-	24.5	24.2	26.3	25.0
273	Books .....	-	98.7	98.7	99.6	99.3	-	53.5	53.2	55.7	54.2
275	Commercial printing .....	348.8	351.9	359.2	356.7	356.8	267.5	270.5	278.1	275.8	275.7
2751	Commercial printing, ex. lithographic ..	-	214.1	220.5	218.0	217.9	-	166.6	172.9	170.3	170.1
2752	Commercial printing, lithographic .....	-	125.6	126.7	127.0	127.3	-	94.9	96.3	96.6	96.9
278	Blankbooks and bookbinding .....	56.7	57.4	57.3	60.4	58.5	46.7	47.2	47.0	49.8	48.1
274,6,7,9	Other publishing & printing ind. ....	140.9	141.0	142.9	117.3	143.9	94.0	94.5	97.2	98.7	97.7
28	<b>CHEMICALS AND ALLIED PRODUCTS .....</b>	<b>1,024.6</b>	<b>1,030.2</b>	<b>1,037.2</b>	<b>1,058.5</b>	<b>1,056.8</b>	<b>585.1</b>	<b>588.6</b>	<b>591.5</b>	<b>612.3</b>	<b>606.2</b>
281	Industrial chemicals .....	312.3	314.1	316.1	320.2	320.3	168.7	169.6	170.8	174.5	173.0
2812	Alkalies and chlorine .....	-	20.8	20.6	22.6	22.1	-	13.5	13.3	15.8	15.0
2818	Industrial organic chemicals, n e c .....	-	124.4	126.2	129.2	129.7	-	53.8	54.8	56.8	56.6
2819	Industrial inorganic chemicals, n e c .....	-	102.4	102.9	100.5	101.3	-	59.3	59.7	58.3	58.0
282	Plastics materials and synthetics .....	216.6	218.7	220.1	228.7	224.0	142.3	143.8	144.2	149.0	145.8
2821	Plastics materials and resins .....	-	92.8	93.5	96.5	95.8	-	56.8	56.9	58.6	58.2
2823,4	Synthetic fibers .....	-	112.2	112.9	118.3	114.4	-	77.6	77.9	81.1	78.3
283	Drugs .....	(*)	151.2	150.5	146.7	150.1	(*)	73.9	73.0	71.7	72.9
2834	Pharmaceutical preparations .....	-	116.5	116.3	114.3	116.4	-	56.1	55.2	55.2	55.5
284	Soap, cleaners, and toilet goods .....	122.8	121.3	123.4	123.2	125.5	69.3	68.0	69.7	71.0	71.7
2841	Soap and other detergents .....	-	40.5	41.4	40.9	41.4	-	26.0	26.9	26.5	26.8
2844	Toilet preparations .....	-	47.0	48.4	49.3	50.3	-	25.8	27.0	28.9	28.9
285	Paints and allied products .....	68.8	68.1	68.9	69.8	70.9	37.6	37.0	37.6	38.6	39.5
287	Agricultural chemicals .....	(*)	56.6	55.9	57.0	58.1	(*)	34.6	33.8	35.1	35.5
2871,2	Fertilizers, complete & mixing only .....	99.2	100.2	102.3	112.9	107.9	60.8	61.7	62.4	72.4	67.8
286,9	Other chemical products .....	-	29.3	29.7	38.8	34.3	-	20.3	20.6	28.6	24.5
2892	Explosives .....	-	-	-	-	-	-	-	-	-	-
29	<b>PETROLEUM AND COAL PRODUCTS .....</b>	<b>188.1</b>	<b>188.7</b>	<b>189.3</b>	<b>188.0</b>	<b>192.0</b>	<b>114.0</b>	<b>114.0</b>	<b>114.3</b>	<b>114.8</b>	<b>117.3</b>
291	Petroleum refining .....	150.9	151.8	152.1	151.7	153.4	88.0	88.3	88.3	89.5	89.9
295,9	Other petroleum and coal products .....	37.2	36.9	37.2	36.3	38.5	26.0	25.7	26.0	25.3	27.4

See footnotes at end of table.

ESTABLISHMENT DATA  
EMPLOYMENT

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

SIC Code	Industry	(In thousands)					Production workers <sup>1</sup>				
		All employees									
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
	<i>Nondurable Goods--Continued</i>										
30	<b>RUBBER AND PLASTICS PRODUCTS, N.E.C.</b>	559.1	554.4	557.9	593.4	571.1	428.0	423.0	424.5	457.7	436.2
301	Tires and inner tubes . . . . .	118.3	117.2	117.2	120.4	114.0	82.8	81.8	81.7	84.1	77.8
302,3,6	Other rubber products . . . . .	164.5	165.6	166.3	178.1	169.2	127.9	128.2	128.3	139.2	131.0
302	Rubber footwear . . . . .	-	25.3	25.6	23.3	24.0	-	21.8	22.0	19.7	20.5
307	Miscellaneous plastics products . . . . .	276.3	271.6	274.4	294.9	287.9	217.3	213.0	214.5	234.4	227.3
31	<b>LEATHER AND LEATHER PRODUCTS . . .</b>	314.3	316.6	320.4	336.4	328.7	268.2	269.7	272.3	287.8	280.5
311	Leather tanning and finishing . . . . .	26.4	26.7	27.1	27.8	27.4	22.6	22.9	23.3	23.9	23.6
314	Footwear, except rubber . . . . .	209.8	212.1	214.4	224.8	219.1	182.5	183.9	185.6	195.6	190.3
312,3,5-7,9	Other leather products . . . . .	(*)	77.8	78.9	84.1	82.2	(*)	62.9	63.4	68.3	66.6
316	Luggage . . . . .	-	15.9	16.8	20.0	18.4	-	12.0	12.6	15.6	14.1
317	Handbags and personal leather goods . . . . .	-	35.9	36.1	35.1	35.6	-	30.1	30.4	29.5	30.0
	<b>TRANSPORTATION AND PUBLIC UTILITIES . . . . .</b>	4,405	4,395	4,446	4,435	4,498	3,807	3,800	3,841	3,853	3,898
40	<b>RAILROAD TRANSPORTATION . . . . .</b>	-	606.2	608.0	625.9	626.1	-	-	-	-	-
4011	Class I railroads <sup>2</sup> . . . . .	-	541.8	542.6	558.9	559.5	-	-	-	-	-
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT . . . . .</b>	-	294.5	253.8	295.0	284.5	-	-	-	-	-
411	Local and suburban transportation . . . . .	-	76.3	76.5	77.4	76.4	-	71.9	72.0	72.7	71.8
412	Taxicabs . . . . .	-	114.6	74.6	116.0	111.3	-	-	-	-	-
413	Intercity highway transportation . . . . .	-	42.9	42.7	42.8	43.2	-	39.5	39.2	39.1	39.7
42	<b>TRUCKING AND WAREHOUSING . . . . .</b>	-	1,072.8	1,106.1	1,069.4	1,094.5	-	962.5	995.7	966.4	987.3
421,3	Trucking and trucking terminals . . . . .	-	982.5	1,012.9	981.8	1,006.4	-	885.2	915.4	890.3	911.5
422	Public warehousing . . . . .	-	90.3	93.2	87.6	88.1	-	77.3	80.3	76.1	75.8
45	<b>TRANSPORTATION BY AIR . . . . .</b>	-	333.9	337.4	356.8	346.2	-	-	-	-	-
451,2	Air transportation . . . . .	-	304.8	308.0	323.5	314.7	-	-	-	-	-
46	<b>PIPE LINE TRANSPORTATION . . . . .</b>	-	17.4	17.4	17.4	17.6	-	13.5	13.6	13.8	13.9
44,47	<b>OTHER TRANSPORTATION AND SERVICES</b>	-	302.4	308.6	320.9	320.9	-	-	-	-	-
44	Water transportation . . . . .	-	200.2	206.7	216.4	216.2	-	-	-	-	-
47	Transportation services . . . . .	-	102.2	101.9	104.5	104.7	-	-	-	-	-
48	<b>COMMUNICATION . . . . .</b>	-	1,082.2	1,130.6	1,079.6	1,122.7	-	844.5	882.8	848.0	879.5
481	Telephone communication . . . . .	-	890.3	937.5	894.4	932.7	-	704.7	742.3	712.5	740.9
482	Telegraph communication <sup>3</sup> . . . . .	-	29.7	29.9	31.5	31.2	-	20.1	20.3	21.7	21.3
483	Radio and television broadcasting . . . . .	-	139.4	140.8	135.3	138.5	-	110.9	111.7	107.2	109.8
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	685.8	684.1	669.6	685.6	-	587.1	586.7	575.4	589.6
491	Electric companies and systems . . . . .	-	284.0	283.8	278.9	284.8	-	241.0	241.3	237.4	242.8
492	Gas companies and systems . . . . .	-	160.7	161.2	157.4	161.5	-	136.1	136.8	134.0	137.5
493	Combination companies and systems . . . . .	-	188.0	186.6	183.4	187.3	-	163.4	162.7	160.1	163.6
494-7	Water, steam, & sanitary systems . . . . .	-	53.1	52.5	49.9	52.0	-	46.6	45.9	43.9	45.7
-	<b>WHOLESALE AND RETAIL TRADE . . . . .</b>	14,755	14,895	15,744	14,707	14,950	13,074	13,207	14,056	13,066	13,293
50	<b>WHOLESALE TRADE . . . . .</b>	3,818	3,834	3,890	3,797	3,849	3,192	3,204	3,266	3,189	3,234
501	Motor vehicles & automotive equipment . . . . .	-	333.1	334.2	316.3	326.3	-	270.6	271.9	260.3	267.2
502	Drugs, chemicals, and allied products . . . . .	-	240.1	240.0	229.8	235.1	-	193.6	193.6	187.0	190.4
503	Dry goods and apparel . . . . .	-	148.2	150.7	149.8	150.3	-	116.7	119.9	117.8	118.5
504	Groceries and related products . . . . .	-	547.8	564.7	544.8	552.3	-	479.3	496.5	477.3	484.3
506	Electrical goods . . . . .	-	342.5	344.4	313.2	330.4	-	287.5	291.1	264.1	279.2
507	Hardware; plumbing & heating equipment . . . . .	-	173.0	173.3	171.1	173.0	-	145.8	146.1	144.9	146.4
508	Machinery, equipment, and supplies . . . . .	-	729.7	737.5	749.5	749.6	-	617.3	625.7	636.7	637.9
509	Miscellaneous wholesalers . . . . .	-	1,228.1	1,247.5	1,230.2	1,242.8	-	1,017.0	1,038.2	1,024.7	1,036.7
52-59	<b>RETAIL TRADE . . . . .</b>	10,937	11,061	11,854	10,910	11,102	9,882	10,003	10,790	9,877	10,059
53	<b>RETAIL GENERAL MERCHANDISE . . . . .</b>	-	2,354.3	2,836.2	2,342.8	2,332.3	-	2,162.9	2,637.2	2,148.7	2,140.2
531	Department stores . . . . .	-	1,540.8	1,875.1	1,538.2	1,517.0	-	1,419.3	1,747.8	1,413.8	1,394.5
532	Mail order houses . . . . .	-	124.7	157.8	136.2	129.7	-	117.1	148.9	127.1	120.7
533	Variety stores . . . . .	-	327.1	397.6	323.9	329.6	-	301.8	371.3	298.5	304.7
54	<b>FOOD STORES . . . . .</b>	-	1,761.9	1,784.0	1,717.9	1,737.1	-	1,637.9	1,659.9	1,598.2	1,615.1
541-3	Grocery, meat, and vegetable stores . . . . .	-	1,591.8	1,605.9	1,550.3	1,566.7	-	1,478.7	1,492.9	1,441.2	1,455.8

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
<b>WHOLESALE AND RETAIL TRADE (Continued)</b>											
56	<b>APPAREL AND ACCESSORY STORES....</b>	-	741.3	842.9	723.1	715.2	-	660.8	761.7	650.3	641.6
561	Men's & boys' clothing & furnishings.....	-	137.3	158.9	135.8	130.8	-	123.7	144.7	122.4	117.1
562	Women's ready-to-wear stores.....	-	285.1	323.8	269.5	269.0	-	255.1	293.3	242.7	241.7
565	Family clothing stores.....	-	104.8	128.3	106.8	103.6	-	97.2	121.0	99.8	96.5
566	Shoe stores.....	-	141.6	148.9	137.9	138.4	-	120.6	128.2	120.9	121.3
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>	-	458.0	470.3	458.4	454.9	-	398.6	410.8	400.8	396.5
571	Furniture and home furnishings.....	-	288.8	297.1	289.2	288.2	-	249.8	258.2	251.3	249.9
58	<b>EATING AND DRINKING PLACES.....</b>	-	2,353.5	2,427.4	2,302.6	2,463.3	-	2,194.1	2,271.1	2,148.1	2,304.8
52,55,59	<b>OTHER RETAIL TRADE.....</b>	-	3,393.2	3,493.3	3,365.2	3,398.5	-	2,948.3	3,049.1	2,930.4	2,960.4
52	Building materials and farm equipment...	-	542.4	564.7	533.6	555.8	-	462.7	481.0	454.6	476.0
55	Automotive dealers & service stations...	-	1,595.2	1,595.8	1,606.1	1,606.2	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	745.2	738.8	778.9	765.4	-	625.5	619.8	660.3	646.5
553,9	Other automotive & accessory dealers....	-	228.5	243.0	224.7	232.4	-	195.6	210.7	193.7	200.3
554	Gasoline service stations.....	-	621.5	614.0	602.5	608.4	-	-	-	-	-
59	Miscellaneous retail stores.....	-	1,255.6	1,332.8	1,225.5	1,236.5	-	-	-	-	-
591	Drug stores and proprietary stores....	-	448.1	466.1	444.1	442.1	-	398.2	416.5	395.6	393.8
594	Book and stationery stores.....	-	68.4	71.3	67.1	66.5	-	59.4	62.3	58.1	57.4
596	Farm and garden supply stores.....	-	109.3	106.9	106.1	109.2	-	-	-	-	-
598	Fuel and ice dealers.....	-	116.1	113.4	116.6	107.4	-	101.6	99.0	101.4	93.1
<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>4</sup></b>											
		3,705	3,704	3,704	3,604	3,679	2,900	2,902	2,912	2,855	2,907
60	Banking.....	-	1,064.7	1,061.1	1,021.6	1,047.1	-	871.0	870.4	843.8	862.3
61	Credit agencies other than banks.....	-	377.9	373.1	368.2	371.0	-	295.2	291.2	287.5	289.7
612	Savings and loan associations.....	-	114.0	112.0	106.1	109.0	-	91.1	89.6	84.6	87.0
614	Personal credit institutions.....	-	194.3	192.5	195.7	194.0	-	-	-	-	-
62	Security, commodity brokers & services....	-	191.2	190.4	211.2	198.3	-	160.0	159.3	182.4	168.8
63	Insurance carriers.....	-	1,072.2	1,074.0	1,031.6	1,058.2	-	745.3	750.0	725.5	743.1
631	Life insurance.....	-	561.4	560.5	535.4	549.9	-	332.9	334.0	317.5	327.2
632	Accident and health insurance.....	-	97.0	96.9	90.2	94.5	-	83.4	83.6	77.5	81.3
633	Fire, marine, and casualty insurance....	-	368.7	371.3	361.8	369.2	-	292.0	295.1	293.7	297.7
64	Insurance agents, brokers, and service....	-	274.9	279.8	268.6	275.9	-	-	-	-	-
65	Real estate.....	-	637.5	639.3	620.9	644.6	-	-	-	-	-
655	Subdividers and developers.....	-	80.3	84.0	75.6	86.7	-	-	-	-	-
656	Operative builders.....	-	38.8	39.6	41.8	41.4	-	-	-	-	-
66,67	Other finance, insurance, & real estate....	-	85.9	85.8	81.8	84.0	-	-	-	-	-
-	<b>SERVICES.....</b>	11,608	11,553	11,645	11,254	11,577	10,522	10,476	10,571	10,228	10,521
70	Hotels and other lodging places.....	708.2	698.7	706.2	709.6	752.0	-	-	-	-	-
701	Hotels, tourist courts, and motels.....	-	612.5	621.3	636.1	666.4	-	564.7	572.9	587.4	616.8
72	Personal services.....	956.4	962.0	979.8	1,005.1	997.2	-	-	-	-	-
721	Laundries and dry cleaning plants.....	-	484.8	493.2	519.1	509.4	-	439.6	446.0	471.5	462.6
722	Photographic studios.....	-	35.7	40.4	38.4	39.6	-	30.3	35.0	32.7	34.1
73	Miscellaneous business services.....	-	1,561.6	1,576.7	1,545.0	1,561.1	-	-	-	-	-
731	Advertising.....	-	118.9	120.4	121.8	122.2	-	-	-	-	-
732	Credit reporting and collection.....	-	76.7	78.8	77.3	77.6	-	-	-	-	-
734	Services to buildings.....	-	295.5	297.5	277.1	291.8	-	-	-	-	-
76	Miscellaneous repair services.....	-	178.6	180.1	180.1	180.8	-	-	-	-	-
78	Motion pictures.....	-	181.4	189.0	185.9	191.4	-	-	-	-	-
781	Motion picture filming & distributing....	-	45.0	49.4	52.9	48.0	-	29.3	32.0	34.3	31.6
782,3	Motion picture theaters and services....	-	136.4	139.6	133.0	143.4	-	-	-	-	-
80	Medical and other health services.....	3,200.3	3,185.8	3,161.7	2,979.8	3,082.1	-	-	-	-	-
806	Hospitals.....	-	1,936.2	1,925.2	1,829.3	1,884.6	-	-	-	-	-
81	Legal services.....	-	241.1	243.8	227.6	237.5	-	-	-	-	-
82	Educational services.....	1,217.9	1,192.9	1,219.0	1,163.6	1,147.9	-	-	-	-	-
821	Elementary and secondary schools.....	-	419.7	420.0	399.9	392.9	-	-	-	-	-
822	Colleges and universities.....	-	672.6	695.9	667.9	658.5	-	-	-	-	-
89	Miscellaneous services.....	-	652.1	647.8	652.2	653.8	-	-	-	-	-
891	Engineering & architectural services....	-	297.8	298.0	304.8	303.2	-	-	-	-	-
892	Nonprofit research agencies.....	-	107.1	106.7	107.2	106.6	-	-	-	-	-

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>				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
-	<b>GOVERNMENT</b> .....	13,005	12,891	12,984	12,450	12,597	-	-	-	-	-
91	<b>FEDERAL GOVERNMENT</b> <sup>5</sup> .....	2,639	2,640	2,693	2,690	2,705	-	-	-	-	-
	Executive .....	-	2,602.2	2,656.6	2,654.2	2,668.7	-	-	-	-	-
	Department of Defense .....	-	999.9	1,003.8	1,075.7	1,036.5	-	-	-	-	-
	Post Office Department .....	-	720.6	776.8	725.2	725.8	-	-	-	-	-
	Other agencies .....	-	881.7	876.0	853.2	906.4	-	-	-	-	-
	Legislative .....	-	30.3	29.7	28.9	29.8	-	-	-	-	-
	Judicial .....	-	7.2	7.0	6.7	6.8	-	-	-	-	-
92,93	<b>STATE AND LOCAL GOVERNMENT</b> ...	10,366	10,251	10,291	9,760	9,891	-	-	-	-	-
92	State government .....	-	2,764.9	2,789.1	2,622.9	2,676.7	-	-	-	-	-
	State education .....	-	1,176.0	1,204.6	1,109.6	1,106.1	-	-	-	-	-
	Other State government .....	-	1,588.9	1,584.5	1,513.3	1,570.6	-	-	-	-	-
93	Local government .....	-	7,486.4	7,501.5	7,136.7	7,214.5	-	-	-	-	-
	Local education .....	-	4,313.6	4,332.2	4,098.1	4,050.2	-	-	-	-	-
	Other local government .....	-	3,172.8	3,169.3	3,038.6	3,164.3	-	-	-	-	-

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

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

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

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

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

\*Not available.

<sup>P</sup> preliminary.



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

SIC Code	Industry	1970		1969		1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
-	<b>TOTAL</b> .....	26,076	37	25,555	36	24,391	36
-	<b>PRIVATE SECTOR</b> .....	20,720	36	20,442	35	19,426	35
-	<b>MINING</b> .....	37	6	37	6	36	6
10	<b>METAL MINING</b> .....	2.7	3	2.6	3	2.6	3
11,12	<b>COAL MINING</b> .....	2.4	2	2.1	2	2.0	2
13	<b>OIL AND GAS EXTRACTION</b> .....	26.7	10	26.7	10	25.9	9
131,2	Crude petroleum and natural gas fields .....	18.4	13	18.8	13	18.7	13
138	Oil and gas field services .....	8.4	7	7.9	6	7.1	6
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	5.2	4	5.1	4	5.2	4
142	Crushed and broken stone .....	1.9	5	1.8	5	1.8	5
144	Sand and gravel .....	1.5	4	1.5	4	1.6	4
-	<b>CONTRACT CONSTRUCTION</b> .....	167	5	162	5	156	5
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	45.6	5	44.0	4	42.1	4
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	30.1	4	28.0	4	26.4	4
161	Highway and street construction .....	10.6	3	10.3	3	9.9	3
162	Heavy construction, n e c .....	19.5	5	17.7	5	16.5	5
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	91.7	6	90.2	5	87.8	5
171	Plumbing, heating, air conditioning .....	27.7	7	27.5	7	26.7	7
172	Painting, paper hanging, decorating .....	7.4	6	7.3	6	7.5	6
173	Electrical work .....	14.2	5	14.3	5	13.9	5
174	Masonry, stonework, and plastering .....	8.2	4	8.2	4	8.1	4
176	Roofing and sheet metal work .....	7.4	6	7.0	6	6.9	6
-	<b>MANUFACTURING</b> .....	5,451	28	5,665	28	5,490	28
19,24,25,32-39	<b>DURABLE GOODS</b> .....	2,277	20	2,443	21	2,338	20
20-23,26-31	<b>NONDURABLE GOODS</b> .....	3,174	39	3,222	39	3,152	39
	<i>Durable Goods</i>						
19	<b>ORDNANCE AND ACCESSORIES</b> .....	63.0	25	84.9	27	87.1	26
192	Ammunition, except for small arms .....	46.9	27	65.2	28	67.5	27
1925	Complete guided missiles .....	18.5	18	23.2	18	28.2	19
1929	Ammunition, exc. for small arms, n e c .....	28.4	39	42.0	39	39.3	38
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	60.9	10	64.1	11	59.4	10
241	Logging camps, & logging contractors .....	3.4	4	3.9	5	3.4	4
242	Sawmills and planing mills .....	12.6	6	13.2	6	12.6	5
2421	Sawmills and planing mills, general .....	9.1	5	9.4	5	9.2	5
243	Millwork, plywood & related products .....	18.8	11	20.2	12	18.5	11
2431	Millwork .....	10.1	14	10.5	14	9.7	13
2432	Veneer and plywood .....	7.1	10	8.0	11	7.4	10
244	Wooden containers .....	6.4	19	6.8	19	6.6	18
2441,2	Wooden boxes, shooks, and crates .....	5.4	20	5.7	19	5.4	18
249	Miscellaneous wood products .....	19.7	22	20.1	22	18.4	22
25	<b>FURNITURE AND FIXTURES</b> .....	111.9	24	116.7	24	106.9	23
251	Household furniture .....	85.3	27	89.1	26	81.6	25
2511	Wood household furniture .....	37.8	24	41.4	24	37.4	22
2512	Upholstered household furniture .....	26.1	30	26.6	30	24.8	29
2515	Mattresses and bedsprings .....	10.9	29	11.4	29	10.6	28
252	Office furniture .....	6.1	16	6.2	16	5.6	16
254	Partitions and fixtures .....	6.1	12	5.7	11	5.5	11
253,9	Other furniture and fixtures .....	14.5	29	15.7	29	14.3	27
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	105.9	17	107.2	16	100.8	16
321	Flat glass .....	1.6	7	1.7	6	1.6	6
322	Glass and glassware, pressed or blown .....	44.2	34	43.1	33	39.4	33
3221	Glass containers .....	28.1	37	26.2	36	23.0	36
3229	Pressed and blown glass n e c .....	16.1	29	16.9	29	16.4	29
324	Cement, hydraulic .....	1.4	4	1.4	4	1.3	4
325	Structural clay products .....	6.5	11	7.3	11	7.2	11
3251	Brick and structural clay tile .....	1.3	5	1.3	5	1.1	4
326	Pottery and related products .....	13.9	32	14.7	33	14.1	32
327	Concrete, gypsum, and plaster products .....	10.9	6	10.5	6	10.1	6
328,9	Other stone and nonmetallic mineral products .....	19.5	14	20.4	15	19.4	14
3291	Abrasive products .....	5.3	20	5.7	21	5.6	21

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

SIC Code	Industry	1970		1969		1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Durable Goods--Continued</i>						
33	<b>PRIMARY METAL INDUSTRIES.....</b>	92.3	7	95.6	7	90.2	7
331	Blast furnace and basic steel products .....	28.9	5	28.7	4	27.5	4
3312	Blast furnaces and steel mills.....	22.0	4	21.5	4	20.7	4
332	Iron and steel foundries .....	11.7	5	11.6	5	11.5	5
3321	Gray iron foundries .....	6.1	4	6.2	4	5.7	4
3322	Malleable iron foundries .....	1.1	5	1.2	5	1.2	5
3323	Steel foundries.....	4.5	7	4.2	7	4.5	7
333,4	Nonferrous metals .....	3.7	4	3.8	4	3.5	4
3334	Primary aluminum .....	.9	3	.9	3	.8	3
335	Nonferrous rolling and drawing .....	31.3	15	32.9	15	30.1	14
3351	Copper rolling and drawing .....	3.5	8	3.8	8	3.6	8
3352	Aluminum rolling and drawing .....	6.8	10	6.9	9	6.4	9
3357	Nonferrous wire drawing and insulating .....	17.4	23	18.6	24	16.8	23
336	Nonferrous foundries .....	11.6	14	12.9	14	12.3	14
3361	Aluminum castings .....	4.8	11	5.1	11	4.8	10
3362,9	Other nonferrous castings .....	6.8	17	7.8	17	7.5	17
339	Miscellaneous primary metal products .....	5.3	7	5.7	7	5.5	7
3391	Iron and steel forgings.....	2.9	6	3.0	6	3.1	6
34	<b>FABRICATED METAL PRODUCTS .....</b>	252.2	18	267.4	19	248.2	18
341	Metal cans .....	11.4	16	11.5	16	11.3	17
342	Cutlery, hand tools, and hardware .....	49.9	32	55.0	33	53.0	32
3421,3,5	Cutlery and hand tools, incl. saws .....	17.2	26	17.3	26	15.2	24
3429	Hardware, n e c .....	32.7	37	37.7	38	37.8	38
343	Plumbing and heating, except electric .....	13.2	16	13.7	16	12.4	15
3431,2	Sanitary ware & plumbers' brass goods .....	6.7	19	7.0	18	6.3	17
3433	Heating equipment, except electric .....	6.5	14	6.6	14	6.1	13
344	Fabricated structural metal products .....	42.7	10	42.6	10	39.2	10
3441	Fabricated structural steel .....	5.7	5	5.6	5	5.6	5
3442	Metal doors, sash, and trim .....	14.2	21	14.8	21	13.0	19
3443	Fabricated plate work (boiler shops) .....	8.2	7	8.1	7	7.4	7
3444	Sheet metal work .....	10.2	13	10.0	12	9.3	12
3446,9	Architectural and misc. metal work .....	4.4	9	4.1	8	3.9	8
345	Screw machine products, bolts, etc. ....	23.1	21	24.6	22	23.5	21
3451	Screw machine products .....	11.5	24	12.1	24	11.8	23
3452	Bolts, nuts, rivets, and washers .....	11.7	19	12.5	20	11.7	20
346	Metal stampings .....	49.6	21	53.8	21	27.9	19
347	Metal services, n e c .....	17.4	20	18.9	20	17.1	19
348	Misc. fabricated wire products .....	16.1	25	17.5	25	16.2	24
349	Misc. fabricated metal products .....	28.8	18	30.0	19	27.7	18
3494,8	Valves, pipe, and pipe fittings .....	16.0	17	16.4	17	15.2	16
35	<b>MACHINERY, EXCEPT ELECTRICAL .....</b>	294.3	15	303.9	15	286.3	15
351	Engines and turbines .....	14.8	14	15.9	14	15.1	14
3511	Steam engines and turbines .....	4.3	12	4.5	12	4.1	11
3519	Internal combustion engines, n e c .....	10.6	15	11.4	16	11.0	15
352	Farm machinery .....	13.2	10	13.7	10	13.4	9
353	Construction and related machinery .....	27.2	9	26.4	9	25.4	9
3531,2	Construction and mining machinery .....	12.1	8	11.9	8	11.8	8
3533	Oil field machinery .....	4.5	10	4.1	9	3.6	9
3535,6	Conveyors, hoists, cranes, monorails .....	4.7	11	4.7	11	4.6	11
3537	Industrial trucks and tractors .....	3.2	10	3.3	10	3.1	10
354	Metal working machinery .....	37.2	12	39.2	11	39.5	12
3541	Machine tools, metal cutting types .....	6.9	10	7.5	10	7.6	10
3544	Special dies, tools, jigs & fixtures .....	8.7	7	9.0	7	9.6	8
3545	Machine tool accessories .....	10.5	19	11.4	19	11.6	19
3542,8	Misc. metal working machinery .....	11.3	15	11.3	14	10.8	14
355	Special industry machinery .....	23.1	12	24.3	12	22.9	11
3551	Food products machinery .....	5.1	12	5.2	12	5.1	12
3552	Textile machinery .....	4.8	13	5.4	13	4.8	12
3555	Printing trades machinery .....	4.2	13	4.5	13	4.0	13
356	General industrial machinery .....	44.6	16	47.9	16	46.0	16
3561	Pumps and compressors .....	9.8	13	10.4	14	10.2	13
3562	Ball and roller bearings .....	13.2	22	14.9	24	14.6	24
3564	Blowers and fans .....	6.2	19	6.2	19	5.5	18
3566	Power transmission equipment .....	6.6	13	7.3	14	7.1	14
357	Office and computing machines .....	78.0	27	77.5	28	69.5	28
3573	Electronic computing equipment .....	50.8	27	50.4	28	44.5	28
358	Service industry machines .....	23.7	17	24.3	17	22.1	16
3585	Refrigeration machinery .....	13.8	15	14.2	15	12.5	14
359	Misc. machinery, except electrical .....	32.4	15	34.8	15	32.3	14

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

SIC Code	Industry	1970		1969		1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Durable Goods--Continued</i>						
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES . . . . .</b>	747.7	39	807.7	40	778.4	39
361	Electrical test & distributing equipment . . . . .	68.7	32	68.7	33	63.6	31
3611	Electric measuring instruments . . . . .	29.9	42	30.2	43	28.1	42
3612	Transformers . . . . .	14.4	25	14.2	25	13.1	23
3613	Switchgear and switchboard apparatus . . . . .	24.4	28	24.3	29	22.4	27
362	Electrical industrial apparatus . . . . .	71.2	33	75.3	34	68.9	32
3621	Motors and generators . . . . .	37.5	33	40.4	34	37.7	32
3622	Industrial controls . . . . .	23.2	39	24.4	39	21.9	38
363	Household appliances . . . . .	46.1	26	46.7	25	42.1	23
3632	Household refrigerators and freezers . . . . .	9.7	17	10.5	18	9.2	16
3633	Household laundry equipment . . . . .	4.5	16	4.1	16	3.8	15
3634	Electric housewares and fans . . . . .	22.3	50	22.7	49	20.6	47
364	Electric lighting and wiring equipment . . . . .	89.4	44	88.4	43	84.7	42
3641	Electric lamps . . . . .	29.5	64	25.2	65	25.2	66
3642	Lighting fixtures . . . . .	21.6	33	22.6	34	21.3	33
3643,4	Wiring devices . . . . .	38.4	41	40.7	41	38.2	39
365	Radio and TV receiving equipment . . . . .	70.8	53	87.3	56	88.6	58
366	Communication equipment . . . . .	177.8	36	185.0	35	179.8	34
3661	Telephone and telegraph apparatus . . . . .	78.0	47	66.1	45	56.9	43
3662	Radio and TV communication equipment . . . . .	99.8	30	118.8	31	123.0	32
367	Electronic components and accessories . . . . .	186.2	53	218.2	56	215.5	57
3671-3	Electron tubes . . . . .	28.6	45	33.3	48	36.5	49
3674,9	Other electronic components . . . . .	157.6	55	184.9	58	179.0	58
369	Misc. electrical equipment & supplies . . . . .	37.4	32	38.2	31	35.3	30
3694	Engine electrical equipment . . . . .	19.4	32	20.4	31	18.8	29
37	<b>TRANSPORTATION EQUIPMENT . . . . .</b>	195.2	11	223.0	11	222.3	11
371	Motor vehicles and equipment . . . . .	70.6	9	76.4	8	71.4	8
3711	Motor vehicles . . . . .	24.1	7	25.2	6	22.4	6
3712	Passenger car bodies . . . . .	1.7	4	1.9	3	2.1	4
3713	Truck and bus bodies . . . . .	2.6	7	2.6	6	2.4	6
3714	Motor vehicle parts and accessories . . . . .	40.9	12	45.2	12	43.2	11
3715	Truck trailers . . . . .	1.3	5	1.4	5	1.3	5
372	Aircraft and parts . . . . .	97.7	14	120.3	15	128.4	15
3721	Aircraft . . . . .	56.5	15	71.5	15	77.6	16
3722	Aircraft engines and engine parts . . . . .	23.9	13	27.7	14	29.2	13
3723,9	Other aircraft parts and equipment . . . . .	17.3	14	21.1	15	21.6	15
373	Ship and boat building and repairing . . . . .	9.0	5	9.6	5	8.3	5
3731	Ship building and repairing . . . . .	5.7	4	5.8	4	5.5	4
3732	Boat building and repairing . . . . .	3.4	9	3.8	8	2.8	7
374	Railroad equipment . . . . .	3.7	7	3.3	6	3.2	7
375,9	Other transportation equipment . . . . .	14.2	14	13.4	13	11.1	13
38	<b>INSTRUMENTS AND RELATED PRODUCTS . . . . .</b>	167.8	37	175.4	37	165.1	36
381	Engineering & scientific instruments . . . . .	16.9	25	19.6	25	20.9	25
382	Mechanical measuring & control devices . . . . .	39.2	36	42.4	37	39.0	35
3821	Mechanical measuring devices . . . . .	21.2	31	22.2	31	20.1	29
3822	Automatic temperature controls . . . . .	18.1	45	20.2	47	18.9	45
383,3	Optical and ophthalmic goods . . . . .	22.1	41	22.2	41	21.0	40
383	Ophthalmic goods . . . . .	17.1	48	16.6	48	15.3	47
384	Medical instruments and supplies . . . . .	41.9	49	40.4	49	35.6	48
386	Photographic equipment and supplies . . . . .	27.8	25	28.5	26	27.1	25
387	Watches, clocks, and watchcases . . . . .	19.9	61	22.5	63	21.5	62
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES . . . . .</b>	186.4	44	197.1	45	192.9	45
391	Jewelry, silverware, and plated ware . . . . .	27.5	40	21.9	41	21.0	40
394	Toys and sporting goods . . . . .	59.9	52	66.3	54	63.5	53
3941-3	Games, toys, dolls, & play vehicles . . . . .	37.4	57	42.5	60	41.1	59
3949	Sporting and athletic goods, n e c . . . . .	22.5	45	23.8	45	22.4	45
395	Pens, pencils, office and art supplies . . . . .	18.4	53	18.4	53	17.8	52
396	Costume jewelry and notions . . . . .	32.0	55	33.6	56	33.3	55
393,9	Other manufacturing industries . . . . .	55.7	34	56.9	34	57.3	34
393	Musical instruments and parts . . . . .	8.0	36	8.6	34	7.7	31
	<i>Nondurable Goods</i>						
20	<b>FOOD AND KINDRED PRODUCTS . . . . .</b>	462.5	26	463.1	26	452.9	25
201	Meat products . . . . .	97.5	28	94.2	28	91.5	28
2011	Meat packing plants . . . . .	25.6	14	25.9	14	26.1	14
2013	Sausages and other prepared meats . . . . .	17.2	29	17.2	30	17.0	29
2015	Poultry dressing plants . . . . .	54.7	55	51.2	55	48.4	54
202	Dairy products . . . . .	39.3	16	39.8	16	40.6	16
2024	Ice cream and frozen desserts . . . . .	5.5	23	5.7	23	5.7	21

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

SIC Code	Industry	1970		1969		1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	<b>FOOD AND KINDRED PRODUCTS-- Continued</b>						
2026	Fluid milk . . . . .	23.7	14	23.9	14	24.6	14
203	Canned, cured, and frozen foods . . . . .	122.9	43	124.9	43	120.7	43
2031,6	Canned, cured, and frozen sea foods . . . . .	24.4	59	25.1	60	24.9	61
2032,3	Canned food, except sea foods . . . . .	50.1	36	53.1	37	53.1	37
2037	Frozen fruits and vegetables . . . . .	34.2	50	32.5	49	28.9	48
204	Grain mill products . . . . .	19.5	14	19.3	14	19.2	14
2041	Flour and other grain mill products . . . . .	3.2	11	3.2	11	3.2	11
2042	Prepared feeds for animals and fowls . . . . .	8.6	13	8.4	13	8.2	13
205	Bakery products . . . . .	71.0	25	69.6	25	69.2	25
2051	Bread, cake, and related products . . . . .	48.6	21	48.9	21	48.0	20
2052	Cookies and crackers . . . . .	22.4	47	20.7	47	21.3	48
206	Sugar . . . . .	3.3	9	3.2	9	2.9	8
207	Confectionery and related products . . . . .	41.3	49	44.0	50	42.4	50
2071	Confectionery products . . . . .	35.0	52	37.6	53	36.2	53
208	Beverages . . . . .	31.0	13	30.4	13	28.9	12
2082	Malt liquors . . . . .	3.9	7	3.8	6	3.6	6
2086	Bottled and canned soft drinks . . . . .	12.7	9	12.8	10	12.2	9
209	Misc. foods and kindred products . . . . .	36.7	25	37.7	26	37.5	26
21	<b>TOBACCO MANUFACTURES . . . . .</b>	35.9	45	37.7	46	38.3	45
211	Cigarettes . . . . .	14.7	35	14.6	36	14.8	36
212	Cigars . . . . .	12.1	70	13.2	71	14.3	71
22	<b>TEXTILE MILL PRODUCTS . . . . .</b>	441.0	46	458.4	46	452.2	45
221	Weaving mills, cotton . . . . .	90.9	41	92.4	41	93.3	40
222	Weaving mills, synthetics . . . . .	35.0	36	37.2	37	36.5	36
223	Weaving and finishing mills, wool . . . . .	14.0	37	15.7	37	16.3	37
224	Narrow fabric mills . . . . .	17.6	58	18.8	59	18.1	58
225	Knitting mills . . . . .	159.0	68	169.3	68	169.7	69
2251	Women's hosiery, except socks . . . . .	49.3	78	53.4	78	50.4	78
2252	Hosiery, n e c . . . . .	25.8	73	26.7	73	28.3	73
2253	Knit outerwear mills . . . . .	48.8	72	51.9	72	54.9	73
2254	Knit underwear mills . . . . .	20.8	70	23.0	71	23.3	71
226	Textile finishing, except wool . . . . .	22.2	27	21.3	26	20.7	25
227	Floor covering mills . . . . .	19.4	35	19.7	35	17.1	34
228	Yarn and thread mills . . . . .	61.7	47	61.0	47	57.5	47
229	Miscellaneous textile goods . . . . .	21.1	28	23.0	28	22.9	28
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS . . . . .</b>	1,118.4	81	1,136.5	80	1,123.5	80
231	Men's and boys' suits and coats . . . . .	91.9	73	96.9	72	93.6	72
232	Men's and boys' furnishings . . . . .	318.9	84	310.7	84	306.9	84
2321	Men's and boys' shirts and nightwear . . . . .	106.9	88	102.1	88	105.5	88
2327	Men's and boys' separate trousers . . . . .	66.2	82	67.2	82	65.3	82
2328	Men's and boys' work clothing . . . . .	71.2	83	69.2	83	67.4	83
233	Women's and misses' outerwear . . . . .	367.1	85	366.8	85	356.2	84
2331	Women's and misses' blouses and waists . . . . .	46.4	88	45.4	88	46.2	89
2335	Women's and misses' dresses . . . . .	178.1	87	178.8	87	173.9	86
2337	Women's and misses' suits and coats . . . . .	62.8	77	65.3	76	65.0	75
2339	Women's and misses' outerwear, n e c . . . . .	79.8	86	77.3	86	71.1	85
234	Women's and children's undergarments . . . . .	102.4	87	108.5	87	108.8	87
2341	Women's and children's underwear . . . . .	73.0	88	74.8	87	74.0	87
2342	Corsets and allied garments . . . . .	29.4	85	33.7	86	34.8	85
235	Hats, caps, and millinery . . . . .	13.1	71	14.9	71	15.8	68
236	Children's outerwear . . . . .	65.4	87	66.6	87	68.0	86
2361	Children's dresses and blouses . . . . .	29.0	90	30.3	90	30.6	89
237,8	Fur goods and miscellaneous apparel . . . . .	54.2	74	58.2	74	59.1	73
239	Misc. fabricated textile products . . . . .	105.4	65	114.1	65	115.2	65
2391,2	Housefurnishings . . . . .	47.1	73	48.6	73	47.0	73
26	<b>PAPER AND ALLIED PRODUCTS . . . . .</b>	149.9	21	152.0	21	148.6	21
261,2,6	Paper and pulp mills . . . . .	24.5	11	24.5	11	24.4	11
263	Paperboard mills . . . . .	5.6	8	5.6	8	5.9	8
264	Misc. converted paper products . . . . .	65.8	35	66.2	35	64.2	36
2643	Bags, except textile bags . . . . .	14.2	33	14.5	34	14.7	35
265	Paperboard containers and boxes . . . . .	54.0	24	55.8	24	54.1	24
2651,2	Folding and setup paperboard boxes . . . . .	23.6	34	24.2	35	23.6	34
2653	Corrugated and solid fiber boxes . . . . .	15.7	15	16.2	15	14.9	15
2654	Sanitary food containers . . . . .	9.7	32	9.9	33	10.1	33

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

SIC Code	Industry	1970		1969		1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Nondurable Goods--Continued</i>							
27	<b>PRINTING AND PUBLISHING . . . . .</b>	358.1	32	349.5	32	332.8	31
271	Newspapers . . . . .	97.5	26	93.9	25	88.0	25
272	Periodicals . . . . .	35.8	48	35.5	47	35.7	47
273	Books . . . . .	47.3	48	64.1	47	44.7	47
275	Commercial printing . . . . .	97.5	27	95.5	27	90.2	27
2751	Commercial printing, ex. lithographic . . . . .	60.0	28	58.1	27	54.6	26
2752	Commercial printing, lithographic . . . . .	33.7	26	33.5	27	31.7	27
278	Blankbooks and bookbinding . . . . .	29.8	51	29.3	50	27.8	49
274,6,7,9	Other publishing & printing ind. . . . .	50.3	35	49.1	34	46.5	33
28	<b>CHEMICALS AND ALLIED PRODUCTS . . . . .</b>	215.9	20	219.6	21	209.2	20
281	Industrial chemicals . . . . .	35.1	11	35.3	11	33.8	11
2812	Alkalies and chlorines . . . . .	1.7	8	1.8	8	2.0	8
2818	Industrial organic chemicals, n e c . . . . .	17.3	13	17.8	14	17.0	13
2819	Industrial inorganic chemicals, n e c . . . . .	10.0	10	9.6	10	9.0	9
282	Plastics materials and synthetics . . . . .	37.0	17	38.2	17	35.9	17
2821	Plastics materials and resins . . . . .	8.9	9	9.0	9	8.5	9
2823,4	Synthetic fibers . . . . .	27.0	24	28.1	24	26.3	24
283	Drugs . . . . .	58.7	39	57.1	40	53.8	39
2834	Pharmaceutical preparations . . . . .	48.5	42	47.6	43	44.5	42
284	Soap, cleaners, and toilet goods . . . . .	46.2	37	46.7	38	45.0	38
2841	Soap and other detergents . . . . .	9.1	22	9.1	22	9.3	23
2844	Toilet preparations . . . . .	27.0	54	27.6	56	26.5	57
285	Paints and allied products . . . . .	11.1	16	11.3	16	11.2	16
287	Agricultural chemicals . . . . .	6.0	10	5.8	10	5.6	10
2871,2	Fertilizers, complete & mixing only . . . . .	3.3	8	3.2	8	3.1	8
286,9	Other chemical products . . . . .	21.8	20	25.2	21	23.9	20
2892	Explosives . . . . .	8.2	24	11.1	24	10.8	23
29	<b>PETROLEUM AND COAL PRODUCTS . . . . .</b>	17.9	9	17.0	9	16.9	9
291	Petroleum refining . . . . .	13.6	9	12.8	9	13.0	9
295,9	Other petroleum and coal products . . . . .	4.3	11	4.2	11	3.9	11
30	<b>RUBBER AND PLASTICS PRODUCTS, NEC . . . . .</b>	182.0	32	190.7	32	177.2	32
301	Tires and inner tubes . . . . .	11.5	10	13.1	11	13.0	11
302,3,6	Other rubber products . . . . .	56.8	34	62.1	34	62.3	34
302	Rubber footwear . . . . .	13.7	57	13.8	54	14.8	54
307	Miscellaneous plastics products . . . . .	113.7	39	115.5	39	101.9	38
31	<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	189.4	58	197.3	57	200.6	56
311	Leather tanning and finishing . . . . .	3.7	14	3.9	13	4.0	13
314	Footwear, except rubber . . . . .	138.5	63	142.8	63	144.5	62
312,3,5-7,9	Other leather products . . . . .	47.3	58	50.5	57	52.1	57
316	Luggage . . . . .	9.2	50	10.7	50	10.1	48
317	Handbags and personal leather goods . . . . .	24.2	68	25.0	67	26.5	68
-	<b>TRANSPORTATION AND PUBLIC UTILITIES . . . . .</b>	949	21	914	21	860	20
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT . . . . .</b>	30.0	11	27.8	10	25.0	9
411	Local and suburban transportation . . . . .	4.8	6	5.1	7	4.9	6
412	Taxicabs . . . . .	5.1	5	5.3	5	5.1	5
413	Intercity highway transportation . . . . .	4.2	10	4.3	10	4.2	10
42	<b>TRUCKING AND WAREHOUSING . . . . .</b>	99.0	9	96.2	9	91.1	9
421,3	Trucking and trucking terminals . . . . .	87.4	9	84.5	8	79.7	8
422	Public warehousing . . . . .	11.6	13	11.7	14	11.4	13
45	<b>TRANSPORTATION BY AIR . . . . .</b>	88.3	26	89.3	25	82.1	25
451,2	Air transportation . . . . .	85.4	27	86.6	27	79.5	27
46	<b>PIPE LINE TRANSPORTATION . . . . .</b>	1.4	8	1.5	8	1.6	9
44	<b>WATER TRANSPORTATION . . . . .</b>	15.9	7	16.8	7	15.6	6
47	<b>TRANSPORTATION SERVICES . . . . .</b>	23.2	22	22.5	22	20.5	21
48	<b>COMMUNICATION . . . . .</b>	557.0	50	523.6	50	493.5	50
481	Telephone communication . . . . .	510.1	55	478.8	55	452.1	56
483	Radio and television broadcasting . . . . .	32.4	23	31.1	24	28.2	23
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	103.3	15	104.9	16	98.6	15
491	Electric companies and systems . . . . .	42.5	15	41.5	15	40.5	15
492	Gas companies and systems . . . . .	27.5	17	26.9	17	26.1	16

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

SIC Code	Industry	1970		1969		1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	<b>ELECTRIC, GAS, AND SANITARY SERVICES--Cont'd</b>						
493	Combination companies and systems . . . . .	26.5	14	30.1	16	25.7	14
494-7	Water, steam, & sanitary systems . . . . .	6.9	13	6.5	13	6.3	13
-	<b>WHOLESALE AND RETAIL TRADE . . . . .</b>	5,944	40	5,812	40	5,519	39
	<b>WHOLESALE TRADE . . . . .</b>	886	23	860	23	814	23
501	Motor vehicles & automotive equipment . . . . .	63.3	19	58.3	19	53.1	18
502	Drugs, chemicals, and allied products . . . . .	82.5	35	78.8	35	73.7	34
503	Dry goods and apparel . . . . .	70.3	47	68.0	46	64.8	44
504	Groceries and related products . . . . .	121.0	22	118.0	22	109.9	21
506	Electrical goods . . . . .	80.3	24	74.0	24	67.9	23
507	Hardware; plumbing & heating equipment . . . . .	39.8	23	38.1	22	36.2	22
508	Machinery, equipment, and supplies . . . . .	135.9	18	134.5	18	125.7	18
509	Miscellaneous wholesalers . . . . .	274.5	22	269.5	22	260.1	22
52-59	<b>RETAIL TRADE . . . . .</b>	5,058	46	4,952	45	4,705	45
53	<b>RETAIL GENERAL MERCHANDISE . . . . .</b>	1,614.7	69	1,567.2	69	1,491.3	69
531	Department stores . . . . .	1,053.7	69	1,026.5	69	970.7	69
532	Mail order houses . . . . .	79.6	61	80.1	61	78.7	61
533	Variety stores . . . . .	260.1	79	252.3	78	245.4	79
54	<b>FOOD STORES . . . . .</b>	611.9	35	586.8	35	553.3	34
541-3	Grocery, meat, and vegetables stores . . . . .	510.9	33	490.1	32	459.7	32
56	<b>APPAREL AND ACCESSORY STORES . . . . .</b>	473.1	66	479.1	66	461.0	66
561	Men's & boys' clothing & furnishings . . . . .	54.6	42	52.0	41	47.8	40
562	Women's ready-to-wear stores . . . . .	237.0	88	239.8	89	230.8	88
565	Family clothing stores . . . . .	72.1	70	76.9	70	76.0	70
566	Shoe stores . . . . .	52.7	38	54.5	38	51.6	36
57	<b>FURNITURE AND HOME FURNISHINGS STORES . . . . .</b>	136.3	30	137.5	30	130.8	30
571	Furniture and home furnishings . . . . .	88.9	31	89.1	31	84.4	30
58	<b>EATING AND DRINKING PLACES . . . . .</b>	1,385.7	56	1,366.9	57	1,286.6	56
52,55,59	<b>OTHER RETAIL TRADE . . . . .</b>	836.2	25	814.9	24	782.1	24
52	Building materials and farm equipment . . . . .	92.1	17	89.0	16	85.3	16
55	Automotive dealers & service stations . . . . .	188.9	12	184.3	12	175.1	11
551,2	Motor vehicle dealers . . . . .	86.4	11	86.0	11	80.9	11
553,9	Other automotive & accessory dealers . . . . .	32.4	14	31.4	14	29.2	14
59	Miscellaneous retail stores . . . . .	555.2	45	541.6	45	521.7	45
591	Drug stores and proprietary stores . . . . .	268.1	61	267.4	60	258.4	59
594	Book and stationery stores . . . . .	30.2	45	28.2	44	26.7	44
596	Farm and garden supply stores . . . . .	21.3	20	20.7	19	19.3	18
598	Fuel and ice dealers . . . . .	18.2	17	18.3	17	18.5	17
-	<b>FINANCE, INSURANCE, AND REAL ESTATE . . . . .</b>	1,913	52	1,828	51	1,716	51
60	Banking . . . . .	6,64.2	63	620.4	63	570.5	62
61	Credit agencies other than banks . . . . .	205.7	55	198.4	55	190.9	54
612	Savings and loan associations . . . . .	72.2	66	67.6	65	64.8	65
614	Personal credit institutions . . . . .	94.0	48	93.9	49	91.5	48
62	Security, commodity brokers & services . . . . .	68.6	35	78.1	36	66.3	35
63	Insurance carriers . . . . .	547.9	52	516.7	51	492.7	50
631	Life insurance . . . . .	243.6	44	230.3	44	218.5	43
632	Accident and health insurance . . . . .	67.6	72	62.9	72	58.7	72
633	Fire, marine, and casualty insurance . . . . .	210.7	57	198.1	56	191.2	55
64	Insurance agents, brokers, and service . . . . .	158.4	57	151.2	58	144.5	57
65	Real estate . . . . .	226.6	35	222.4	35	212.8	35
655	Subdividers and developers . . . . .	18.3	21	17.0	20	15.6	20
656	Operative builders . . . . .	7.4	18	7.0	15	6.0	14
66,67	Other finance, insurance, & real estate . . . . .	41.8	50	41.1	50	38.1	49
-	<b>SERVICES . . . . .</b>	6,259	54	6,025	54	5,650	53
	<b>Hotels and other lodging places:</b>						
701	Hotels, tourist courts, and motels . . . . .	340.6	51	338.7	50	323.5	50
72	Personal services . . . . .	613.5	62	631.8	62	637.7	62
721	Laundries and dry cleaning plants . . . . .	334.1	64	354.3	66	362.6	66
722	Photographic studios . . . . .	23.1	58	23.0	58	22.3	56

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

SIC Code	Industry	1970		1969		1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	<b>SERVICES - Continued</b>						
73	Miscellaneous business services . . . . .	526.1	34	515.1	34	473.5	34
731	Advertising . . . . .	51.9	42	51.5	42	49.7	42
732	Credit reporting and collection . . . . .	55.4	71	55.2	73	52.6	72
734	Services to buildings . . . . .	94.5	32	81.4	30	72.2	30
76	Miscellaneous repair services . . . . .	27.2	15	26.7	15	24.7	14.
78	Motion pictures . . . . .	67.2	35	68.2	34	66.4	34
781	Motion picture filming & distributing . . . . .	15.0	31	16.8	29	15.5	28
782,3	Motion picture theaters and services . . . . .	52.3	36	51.4	35	50.9	36
80	Medical and other health services . . . . .	2,496.8	81	2,323.0	81	2,121.2	80
806	Hospitals . . . . .	1,528.5	81	1,441.3	81	1,345.8	81
81	Legal services . . . . .	148.9	63	140.4	63	131.6	63
82	Educational services . . . . .	543.1	47	533.9	48	502.5	47
821	Elementary and secondary schools . . . . .	234.1	60	228.9	60	211.2	59
822	Colleges and universities . . . . .	263.4	40	261.6	41	250.6	40
89	Miscellaneous services . . . . .	154.8	24	145.2	23	129.7	22
891	Engineering & architectural services . . . . .	45.2	15	45.2	15	41.5	14
892	Nonprofit research agencies . . . . .	31.9	30	31.5	30	28.7	30
-	<b>GOVERNMENT. . . . .</b>	5,356	43	5,112	42	4,966	42
91	<b>FEDERAL GOVERNMENT . . . . .</b>	717	27	723	26	710	26
92,93	<b>STATE AND LOCAL GOVERNMENT. . . . .</b>	4,640	47	4,389	46	4,256	47
92	State government . . . . .	1,100.9	41	1,044.8	41	999.5	41
	State education . . . . .	440.5	40	413.8	40	383.6	40
	Other State government . . . . .	660.4	42	631.0	42	615.9	41
93	Local government . . . . .	3,538.6	49	3,344.4	48	3,256.2	49
	Local education . . . . .	2,511.2	62	2,378.5	61	2,352.0	63
	Other local government . . . . .	1,027.4	32	965.9	32	904.2	31

## ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

1967 = 100

Year and month	Total	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919 -----	41.1	184.8	31.8	54.8	87.1	33.2	-	-	34.4	22.4	23.5	-	-
1920 -----	41.5	202.1	26.4	54.8	93.8	32.8	-	-	36.4	23.4	22.8	-	-
1921 -----	37.0	156.9	31.5	42.5	81.2	33.7	-	-	36.1	23.9	22.2	-	-
1922 -----	39.2	151.5	36.9	46.9	82.3	36.0	-	-	35.5	24.8	22.3	-	-
1923 -----	43.1	197.7	38.3	53.0	91.1	38.9	-	-	36.9	26.6	22.9	-	-
1924 -----	42.6	179.6	41.2	49.7	89.3	39.7	-	-	38.2	27.5	23.9	-	-
1925 -----	43.7	177.7	45.1	51.1	89.8	41.0	-	-	38.2	28.4	24.6	-	-
1926 -----	45.3	193.3	48.5	52.2	92.5	42.5	-	-	40.5	30.2	25.0	-	-
1927 -----	45.5	181.7	50.1	51.4	91.4	43.4	-	-	42.4	31.4	25.6	-	-
1928 -----	45.6	171.3	50.1	51.1	89.8	43.2	-	-	44.5	32.3	26.3	-	-
1929 -----	47.6	177.3	46.7	55.0	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2
1930 -----	44.7	164.6	42.8	49.2	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2
1931 -----	40.5	142.4	37.8	42.0	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2
1932 -----	35.9	119.2	30.2	35.6	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7
1933 -----	36.0	121.4	25.2	38.0	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0
1934 -----	39.4	144.0	26.9	43.7	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5
1935 -----	41.1	146.3	28.4	46.6	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4
1936 -----	44.2	154.3	35.7	50.5	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7
1937 -----	47.1	165.6	34.7	55.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7
1938 -----	44.4	145.4	32.9	48.5	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2
1939 -----	46.5	139.3	35.8	52.9	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6
1940 -----	49.2	150.9	40.3	56.5	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9
1941 -----	55.5	156.1	55.8	67.8	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3
1942 -----	60.9	161.8	67.6	78.6	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7
1943 -----	64.5	150.9	48.8	90.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6
1944 -----	63.6	145.5	34.1	89.1	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9
1945 -----	61.3	136.4	35.3	79.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1
1946 -----	63.3	140.6	51.8	75.6	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5
1947 -----	66.6	155.8	61.8	79.9	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3
1948 -----	68.2	162.2	67.6	80.1	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6
1949 -----	66.5	151.7	67.5	74.3	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5
1950 -----	68.7	147.0	72.7	78.4	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2
1951 -----	72.7	151.5	81.1	84.3	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1
1952 -----	74.1	146.5	82.1	85.5	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3
1953 -----	76.3	141.3	81.8	90.2	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0
1954 -----	74.4	129.0	81.4	83.9	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6
1955 -----	76.9	129.2	87.3	86.8	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5
1956 -----	79.6	134.1	93.5	88.7	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4
1957 -----	80.3	135.1	91.1	88.3	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2
1958 -----	78.0	122.5	86.6	82.0	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1
1959 -----	81.0	119.4	92.3	85.7	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4
1960 -----	82.4	116.2	89.9	86.4	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1
1961 -----	82.1	109.6	87.8	84.0	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8
1962 -----	84.4	106.0	90.5	86.7	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5
1963 -----	86.1	103.6	92.4	87.4	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1
1964 -----	88.6	103.4	95.1	88.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5
1965 -----	92.3	103.1	99.3	92.9	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7
1966 -----	97.1	102.3	102.1	98.8	97.4	97.3	97.5	97.3	96.1	94.6	94.7	94.3	94.8
1967 -----	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968 -----	103.1	98.9	102.4	101.7	101.1	103.5	102.4	103.9	104.9	105.2	103.9	100.7	105.0
1969 -----	106.7	101.0	107.1	103.7	104.0	107.6	106.0	108.2	110.3	111.0	107.1	101.4	108.8
1970 -----	107.3	101.5	104.3	99.7	105.6	109.9	109.2	110.1	114.1	114.6	110.5	99.5	114.0
1970: Feb -----	108.0	102.1	108.0	102.5	105.5	110.1	108.8	110.6	113.2	114.2	109.2	100.0	112.0
1970: Mar -----	108.2	102.1	108.5	102.6	105.7	110.1	109.1	110.5	113.6	114.2	109.7	101.7	112.2
1970: Apr -----	108.0	101.5	106.8	101.8	104.9	110.2	109.3	110.5	113.9	114.5	110.6	104.4	112.6
1970: May -----	107.6	101.1	104.5	100.6	105.1	110.0	109.5	110.2	114.0	114.6	110.6	101.8	113.3
1970: June -----	107.2	101.1	103.6	100.2	105.9	109.7	109.2	109.9	114.1	114.2	110.2	98.9	113.7
1970: July -----	107.2	100.8	103.3	99.8	106.5	109.8	109.4	109.9	114.0	114.0	110.5	98.1	114.3
1970: Aug -----	106.9	101.0	103.0	99.1	106.1	109.6	108.9	109.8	113.8	114.1	110.5	97.8	114.5
1970: Sept -----	107.1	101.3	101.7	99.2	105.9	110.0	109.2	110.2	114.2	115.1	110.4	97.4	114.5
1970: Oct -----	106.6	101.3	102.2	96.1	105.8	110.3	109.4	110.6	114.6	115.5	111.6	97.6	116.0
1970: Nov -----	106.4	102.0	103.0	95.3	105.4	109.8	109.2	110.0	115.1	115.8	112.1	97.9	116.5
1970: Dec -----	106.8	102.0	103.5	96.9	104.1	109.2	109.4	109.1	115.4	116.1	112.1	97.5	116.7
1971: Jan <sup>P</sup> -----	107.2	102.0	100.9	96.7	104.8	111.2	109.6	111.7	116.2	116.6	112.4	97.7	117.1
1971: Feb <sup>P</sup> -----	107.1	101.3	98.6	96.3	105.2	111.3	109.6	111.8	116.0	116.7	112.7	97.5	117.4

p=preliminary.

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



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

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

Industry division and group	1971		1970										
	Feb. <sup>p</sup>	Jan. <sup>p</sup>	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>TOTAL</b> .....	70,514	70,609	70,303	70,085	70,182	70,531	70,414	70,587	70,629	70,839	71,149	71,242	71,135
<b>GOODS-PRODUCING</b> .....	22,522	22,672	22,786	22,466	22,583	23,168	23,195	23,334	23,421	23,543	23,843	24,051	24,029
<b>MINING</b> .....	621	625	625	625	621	621	619	618	620	620	622	626	626
<b>CONTRACT CONSTRUCTION</b> .....	3,164	3,236	3,319	3,303	3,278	3,262	3,305	3,314	3,324	3,351	3,426	3,481	3,466
<b>MANUFACTURING</b> .....	18,737	18,811	18,842	18,538	18,684	19,285	19,271	19,402	19,477	19,572	19,795	19,944	19,937
<b>DURABLE GOODS</b> .....	10,683	10,717	10,756	10,455	10,602	11,145	11,134	11,217	11,286	11,386	11,529	11,648	11,625
Ordnance and accessories .....	205	214	218	223	228	237	240	243	250	256	261	271	277
Lumber and wood products .....	580	575	569	571	574	575	570	570	575	582	585	593	598
Furniture and fixtures .....	450	450	450	453	454	457	453	454	453	456	468	471	472
Stone, clay, and glass products .....	621	623	628	624	630	635	631	628	636	638	644	651	657
Primary metal industries .....	1,248	1,253	1,256	1,249	1,273	1,315	1,298	1,301	1,305	1,309	1,323	1,337	1,349
Fabricated metal products .....	1,335	1,337	1,344	1,311	1,331	1,395	1,387	1,387	1,388	1,394	1,411	1,425	1,428
Machinery, except electrical .....	1,814	1,819	1,846	1,855	1,878	1,926	1,939	1,969	1,982	2,004	2,032	2,046	2,048
Electrical equipment .....	1,795	1,795	1,808	1,803	1,841	1,896	1,903	1,934	1,936	1,956	1,979	1,995	1,993
Transportation equipment .....	1,790	1,800	1,785	1,515	1,534	1,839	1,841	1,853	1,876	1,897	1,925	1,950	1,890
Instruments and related products .....	435	438	439	442	447	452	453	458	461	468	471	472	472
Miscellaneous manufacturing .....	410	413	413	409	412	418	419	420	424	426	430	437	441
<b>NONDURABLE GOODS</b> .....	8,054	8,094	8,086	8,083	8,082	8,140	8,137	8,185	8,191	8,186	8,266	8,296	8,312
Food and kindred products .....	1,778	1,779	1,780	1,779	1,769	1,779	1,784	1,789	1,800	1,805	1,805	1,823	1,830
Tobacco manufactures .....	74	76	75	77	76	76	82	81	81	81	81	81	80
Textile mill products .....	949	952	949	945	948	955	954	955	959	971	979	980	987
Apparel and other textile products .....	1,363	1,382	1,378	1,372	1,367	1,380	1,376	1,393	1,385	1,375	1,394	1,396	1,398
Paper and allied products .....	697	698	699	700	698	706	703	706	711	714	721	721	720
Printing and publishing .....	1,095	1,100	1,100	1,100	1,102	1,105	1,103	1,105	1,103	1,108	1,111	1,113	1,113
Chemicals and allied products .....	1,031	1,040	1,042	1,045	1,052	1,056	1,053	1,054	1,055	1,060	1,063	1,066	1,067
Petroleum and coal products .....	193	194	192	191	190	190	191	191	193	192	193	194	193
Rubber and plastics products, nec .....	561	556	553	554	557	569	567	578	570	548	585	589	591
Leather and leather products .....	313	317	318	320	323	324	324	333	334	332	334	333	333
<b>SERVICE-PRODUCING</b> .....	47,992	47,937	47,517	47,619	47,599	47,363	47,219	47,253	47,208	47,296	47,306	47,191	47,106
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,481	4,466	4,437	4,493	4,509	4,511	4,520	4,539	4,511	4,478	4,468	4,502	4,496
<b>WHOLESALE AND RETAIL TRADE</b> .....	15,139	15,129	14,851	14,945	15,011	14,961	14,912	14,933	14,927	14,968	14,991	14,984	14,987
<b>WHOLESALE TRADE</b> .....	3,864	3,865	3,855	3,851	3,857	3,850	3,840	3,856	3,849	3,859	3,853	3,847	3,834
<b>RETAIL TRADE</b> .....	11,275	11,264	10,996	11,094	11,154	11,111	11,072	11,077	11,078	11,109	11,138	11,137	11,153
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,742	3,749	3,723	3,711	3,696	3,684	3,670	3,676	3,679	3,677	3,673	3,665	3,652
<b>SERVICES</b> .....	11,785	11,777	11,727	11,695	11,665	11,622	11,521	11,514	11,532	11,572	11,564	11,537	11,530
Hotels and other lodging places .....	-	763	763	743	746	754	715	722	749	764	768	772	770
Personal services .....	-	973	974	984	987	988	983	989	1,000	1,005	1,006	1,015	1,018
Medical and other health services .....	-	3,199	3,174	3,158	3,144	3,129	3,102	3,086	3,070	3,058	3,034	3,025	3,007
Educational services .....	-	1,154	1,167	1,159	1,160	1,143	1,143	1,147	1,145	1,146	1,151	1,143	1,145
<b>GOVERNMENT</b> .....	12,845	12,816	12,779	12,775	12,718	12,585	12,596	12,591	12,559	12,601	12,610	12,503	12,441
<b>FEDERAL</b> .....	2,652	2,656	2,650	2,661	2,654	2,649	2,659	2,668	2,689	2,768	2,838	2,766	2,718
<b>STATE AND LOCAL</b> .....	10,193	10,160	10,129	10,114	10,064	9,936	9,937	9,923	9,870	9,833	9,772	9,737	9,723

p = preliminary.

## ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

Major industry group	(In thousands)												
	1971		1970										
	Feb. <sup>P</sup>	Jan. <sup>P</sup>	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>TOTAL</b> .....	16,634	16,759	16,848	16,514	16,604	17,179	17,201	17,327	17,382	17,447	17,734	17,905	17,878
<b>MINING</b> .....	471	474	473	475	472	471	469	469	471	470	474	476	477
<b>CONTRACT CONSTRUCTION</b> .....	2,615	2,681	2,765	2,750	2,727	2,708	2,758	2,768	2,771	2,797	2,871	2,917	2,912
<b>MANUFACTURING</b> .....	13,548	13,604	13,610	13,289	13,405	14,000	13,974	14,090	14,140	14,180	14,389	14,512	14,489
<b>DURABLE GOODS</b> .....	7,655	7,683	7,700	7,386	7,504	8,039	8,019	8,082	8,134	8,186	8,318	8,409	8,367
Ordnance and accessories .....	105	111	114	118	122	128	129	131	137	141	143	151	155
Lumber and wood products .....	498	494	488	492	495	495	491	491	495	501	504	511	515
Furniture and fixtures .....	370	370	370	373	374	377	372	373	372	375	386	390	390
Stone, clay, and glass products .....	489	494	499	495	500	505	500	499	505	506	512	517	522
Primary metal industries .....	984	991	990	981	1,005	1,047	1,031	1,033	1,034	1,037	1,049	1,063	1,072
Fabricated metal products .....	1,013	1,015	1,021	985	1,002	1,067	1,060	1,058	1,057	1,060	1,079	1,087	1,090
Machinery, except electrical .....	1,185	1,191	1,209	1,218	1,233	1,281	1,288	1,316	1,321	1,340	1,366	1,381	1,381
Electrical equipment and supplies .....	1,188	1,183	1,188	1,181	1,213	1,258	1,266	1,289	1,297	1,294	1,313	1,323	1,319
Transportation equipment .....	1,247	1,255	1,239	967	977	1,286	1,285	1,290	1,309	1,317	1,345	1,358	1,291
Instruments and related products .....	260	261	262	264	267	273	274	278	280	286	289	289	289
Miscellaneous manufacturing industries .....	316	318	320	312	316	322	323	324	327	329	332	339	343
<b>NONDURABLE GOODS</b> .....	5,893	5,921	5,910	5,903	5,901	5,961	5,955	6,008	6,006	5,994	6,071	6,103	6,122
Food and kindred products .....	1,200	1,196	1,197	1,194	1,184	1,193	1,198	1,203	1,214	1,216	1,217	1,235	1,241
Tobacco manufactures .....	61	63	62	64	63	63	69	67	67	68	67	67	67
Textile mill products .....	833	835	831	828	830	839	837	839	842	852	860	861	867
Apparel and other textile products .....	1,192	1,210	1,207	1,200	1,196	1,210	1,206	1,223	1,214	1,206	1,221	1,223	1,226
Paper and allied products .....	535	535	536	538	535	543	540	544	549	551	556	558	557
Printing and publishing .....	669	674	677	675	676	680	676	680	679	681	687	690	690
Chemicals and allied products .....	588	595	595	597	603	606	602	605	603	606	610	613	616
Petroleum and coal products .....	118	118	116	116	116	115	117	118	118	118	118	119	119
Rubber and plastics products, nec .....	430	424	419	419	423	436	433	444	434	412	450	453	454
Leather and leather products .....	267	271	270	272	275	276	277	285	286	284	285	284	285

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

p = preliminary.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970
1	ALABAMA <sup>1</sup>	996.3	1,009.5	995.0	8.0	8.3	8.1	44.6	41.1	46.5	319.1	320.9	324.6
2	Birmingham	(*)	253.8	257.7	(*)	5.7	5.5	(*)	7.6	14.4	(*)	71.6	72.3
3	Huntsville <sup>1</sup>	77.3	77.7	77.6	(2)	(2)	(2)	1.9	2.0	2.2	13.0	13.3	13.5
4	Mobile	(*)	104.5	106.7	(*)	(2)	(2)	(*)	6.6	6.7	(*)	24.5	25.7
5	Montgomery	(*)	69.3	67.9	(*)	(2)	(2)	(*)	4.7	4.6	(*)	10.8	10.6
6	Tuscaloosa	(*)	38.1	36.6	(*)	(2)	(2)	(*)	2.6	2.3	(*)	10.3	10.0
7	ALASKA	83.8	86.0	82.1	2.3	2.3	2.9	4.1	4.7	4.6	4.9	5.0	5.1
8	ARIZONA	551.0	557.0	539.6	21.3	21.2	19.5	37.9	38.6	35.8	84.6	84.7	95.9
9	Phoenix	328.2	331.9	325.8	.2	.2	.2	20.7	20.8	21.1	64.9	64.7	76.1
10	Tucson	108.6	109.6	102.6	6.9	6.9	5.9	9.9	10.0	9.1	9.1	9.2	9.1
11	ARKANSAS <sup>1</sup>	522.4	532.6	521.5	4.4	4.6	4.4	23.0	25.0	22.1	162.0	162.9	166.4
12	Fayetteville	26.6	27.0	25.8	(2)	(2)	(2)	1.3	1.4	.9	6.9	6.9	6.9
13	Fort Smith	44.7	45.4	45.5	.5	.6	.6	2.4	2.6	2.7	15.4	15.6	16.3
14	Little Rock-North Little Rock	120.5	121.9	121.2	(2)	(2)	(2)	6.5	7.3	6.9	26.3	26.0	28.0
15	Pine Bluff	24.0	24.1	24.2	(2)	(2)	(2)	.9	.9	.7	5.4	5.4	5.7
16	CALIFORNIA	6,906.6	7,063.2	6,901.2	30.5	31.1	31.8	268.8	280.2	290.6	1,470.5	1,500.3	1,601.1
17	Anaheim-Santa Ana-Garden Grove	426.4	433.8	416.4	1.7	1.7	1.9	22.6	23.0	21.8	116.3	117.4	128.3
18	Bakersfield	88.3	90.8	88.0	6.4	6.6	6.6	3.7	3.9	4.4	7.5	7.9	7.5
19	Fresno	115.5	118.6	111.8	.9	.9	.9	4.4	4.5	4.2	16.4	16.9	16.1
20	Los Angeles-Long Beach	2,860.2	2,920.8	2,895.9	11.0	11.1	11.5	98.9	103.0	108.8	767.8	781.4	853.4
21	Modesto-Turlock	51.3	53.6	50.9	.1	.1	.1	2.4	2.6	2.7	12.0	13.2	11.6
22	Oxnard-Ventura	95.0	96.3	92.2	1.9	1.9	1.9	4.9	5.0	4.8	13.0	13.1	14.3
23	Sacramento	260.7	266.7	255.8	.1	.1	.1	9.3	10.0	9.2	19.9	20.6	20.6
24	Salinas-Monterey	60.7	63.0	58.6	.5	.5	.5	2.2	2.3	2.1	6.5	7.3	6.5
25	San Bernardino-Riverside-Ontario	299.3	302.1	291.3	2.4	2.5	2.4	13.8	14.0	14.2	51.3	51.9	51.9
26	San Diego	385.9	390.3	382.3	.5	.5	.5	18.8	19.1	21.3	64.7	65.4	69.9
27	San Francisco-Oakland	1,250.8	1,282.2	1,246.9	1.8	1.9	1.8	55.8	58.6	58.4	194.0	198.0	204.5
28	San Jose	375.2	382.8	371.5	.1	.1	.2	14.2	15.6	15.9	118.3	120.0	124.2
29	Santa Barbara	82.3	83.8	81.2	1.0	1.0	1.0	3.0	3.0	3.9	9.9	10.4	10.1
30	Santa Rosa	49.6	51.4	48.2	.2	.3	.2	1.8	2.1	1.8	6.6	6.8	7.0
31	Stockton	85.6	87.8	84.9	.1	.1	.1	2.8	3.0	2.7	14.8	15.1	15.6
32	Vallejo-Napa	66.0	67.6	65.9	.1	.1	.1	1.8	2.0	1.8	6.0	6.4	6.1
33	COLORADO	747.2	755.3	721.3	13.6	13.8	14.2	38.8	40.7	36.1	116.0	116.1	117.5
34	Denver	479.2	484.7	459.9	4.3	4.3	4.6	29.5	30.5	25.4	80.9	81.4	82.4
35	CONNECTICUT <sup>1</sup>	1,169.3	1,197.3	1,193.3	(3)	(3)	(3)	47.7	54.3	48.7	417.2	423.0	466.0
36	Bridgeport	145.2	150.7	152.7	(3)	(3)	(3)	5.6	6.4	5.2	63.3	65.1	73.8
37	Hartford	322.5	326.9	321.6	(3)	(3)	(3)	14.6	16.1	13.3	96.1	96.8	106.8
38	New Britain	44.2	45.1	46.6	(3)	(3)	(3)	1.3	1.6	1.4	22.7	23.0	25.0
39	New Haven	156.7	159.3	155.4	(3)	(3)	(3)	7.5	8.2	6.6	41.5	41.9	45.0
40	Stamford	82.0	84.2	79.6	(3)	(3)	(3)	3.5	4.0	3.4	27.8	28.3	27.5
41	Waterbury	74.2	75.9	79.0	(3)	(3)	(3)	2.9	3.3	2.9	33.9	34.1	39.2
42	DELAWARE	204.1	207.8	207.4	(2)	(2)	(2)	11.9	13.0	12.0	68.8	69.2	73.3
43	Wilmington	185.0	189.1	187.8	(2)	(2)	(2)	11.0	12.0	11.2	67.2	67.9	71.1
44	DISTRICT OF COLUMBIA <sup>4</sup>	685.9	692.1	677.5	(2)	(2)	(2)	16.5	17.2	14.6	19.9	20.0	19.8
45	Washington SMSA	1,141.9	1,158.1	1,115.2	(2)	(2)	(2)	60.3	65.6	59.8	44.6	44.9	44.5
46	FLORIDA <sup>1</sup>	2,213.2	2,222.5	2,172.8	8.5	8.6	8.1	167.7	168.0	175.7	324.3	326.3	335.7
47	Fort Lauderdale-Hollywood <sup>1</sup>	175.5	175.5	183.1	(2)	(2)	(2)	19.6	20.1	27.7	18.8	18.9	21.2
48	Jacksonville	(*)	192.8	191.1	(*)	(2)	(2)	(*)	12.7	13.3	(*)	24.4	23.4
49	Miami	(*)	510.6	505.5	(*)	(2)	(2)	(*)	33.3	33.5	(*)	78.1	80.0
50	Orlando	148.7	148.4	138.6	(2)	(2)	(2)	16.7	16.2	13.1	20.9	20.4	21.8
51	Pensacola <sup>1</sup>	67.5	68.0	67.4	(2)	(2)	(2)	5.3	5.2	5.1	14.4	14.4	14.3
52	Tampa-St. Petersburg	(*)	310.4	304.0	(*)	(2)	(2)	(*)	23.0	23.3	(*)	54.7	54.1
53	West Palm Beach <sup>1</sup>	116.0	115.1	114.4	(2)	(2)	(2)	9.1	9.5	11.7	21.2	21.4	20.7
54	GEORGIA <sup>1</sup>	1,531.6	1,562.5	1,538.2	6.9	6.8	7.0	73.3	79.7	73.5	447.3	453.0	475.1
55	Atlanta <sup>1</sup>	608.7	620.0	606.2	(2)	(2)	(2)	30.6	34.1	31.5	112.9	113.7	128.8

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			
Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	
54.3	55.1	55.0	187.4	200.3	185.7	42.0	41.8	40.6	129.9	130.8	128.1	211.0	211.2	206.4	1
(*)	18.7	18.5	(*)	61.3	60.1	(*)	18.1	17.4	(*)	36.9	35.8	(*)	33.9	33.7	2
1.7	1.7	1.7	12.0	12.1	11.6	2.0	2.0	2.0	17.2	17.4	17.1	29.5	29.2	29.5	3
(*)	10.0	10.7	(*)	25.8	25.3	(*)	5.1	5.0	(*)	15.4	16.2	(*)	17.1	17.1	4
(*)	4.4	4.5	(*)	15.7	15.1	(*)	4.8	4.5	(*)	10.3	10.3	(*)	18.6	18.3	5
(*)	1.6	1.5	(*)	6.6	6.1	(*)	1.2	1.1	(*)	3.3	3.4	(*)	12.5	12.2	6
8.8	8.3	8.3	14.3	14.9	13.9	3.1	3.2	2.8	11.0	11.3	10.7	35.3	36.3	33.8	7
30.3	30.5	29.1	131.7	135.7	124.8	30.5	30.5	29.2	91.3	91.3	88.8	123.4	124.5	116.5	8
18.2	18.3	17.0	84.1	87.1	80.4	22.7	22.7	21.6	56.0	56.0	54.0	61.4	62.1	55.4	9
5.8	5.8	5.7	24.8	25.4	23.2	4.8	4.8	4.6	19.4	19.5	18.7	27.9	28.0	26.3	10
32.2	32.3	31.2	104.1	110.7	103.3	20.9	21.3	20.4	72.6	72.8	71.4	103.2	103.0	102.3	11
2.3	2.3	2.2	5.2	5.5	5.0	.6	.6	.6	3.5	3.4	3.2	6.8	6.9	7.0	12
2.7	2.7	2.7	9.3	9.6	9.1	1.4	1.4	1.4	6.9	6.9	6.7	6.1	6.0	6.0	13
9.3	9.3	9.5	26.9	27.8	26.1	8.7	8.7	8.7	18.2	18.3	18.1	24.6	24.5	23.9	14
3.2	3.2	3.1	4.7	4.7	4.7	.9	.9	.9	3.2	3.3	3.3	5.7	5.7	5.8	15
459.6	466.5	454.7	1,549.3	1,633.8	1,505.5	387.6	388.2	374.9	1,290.6	1,304.8	1,236.5	1,449.7	1,458.3	1,406.1	16
14.9	15.0	13.7	103.9	108.5	95.8	23.4	23.4	21.8	74.0	75.0	67.8	69.6	69.8	65.3	17
6.1	6.3	5.9	20.3	21.2	20.0	3.6	3.7	3.6	14.3	14.5	14.2	26.4	26.7	25.8	18
7.9	8.3	7.5	30.3	32.2	29.0	5.5	5.4	5.4	21.0	21.6	20.8	29.1	28.8	27.9	19
176.1	177.8	174.5	649.3	683.6	634.3	173.9	174.2	166.4	555.0	560.3	532.3	428.2	429.4	414.7	20
2.5	2.6	2.4	12.1	12.7	12.0	1.5	1.5	1.5	10.1	10.2	9.6	10.6	10.7	11.0	21
4.3	4.3	4.0	22.5	23.1	20.8	3.5	3.5	3.3	15.8	15.9	14.5	29.1	29.5	28.6	22
17.2	17.6	16.9	54.9	58.7	53.2	10.7	10.5	10.4	39.5	39.2	37.5	109.1	110.0	107.9	23
4.3	4.4	4.1	15.4	16.5	14.9	2.4	2.3	2.3	12.0	12.1	11.4	17.4	17.6	16.8	24
17.9	17.7	17.4	69.2	71.3	65.3	10.3	10.2	10.0	58.0	58.1	54.8	76.4	76.4	75.3	25
20.6	20.6	20.1	87.1	90.1	84.7	18.7	18.6	17.8	75.5	76.1	71.9	100.0	99.9	96.1	26
132.8	135.0	133.2	267.8	284.6	264.9	98.7	98.7	97.2	224.7	227.7	217.6	275.2	277.7	269.3	27
16.8	17.3	16.4	74.0	77.1	69.4	13.5	13.5	13.1	76.7	76.9	74.2	61.6	62.3	58.1	28
3.6	3.6	3.5	18.8	19.5	18.2	3.3	3.3	3.2	20.5	20.7	19.7	22.2	22.3	21.6	29
2.6	2.7	2.5	12.2	13.2	11.6	3.3	3.2	3.1	9.1	9.1	8.8	13.8	14.0	13.2	30
7.0	7.0	7.3	18.5	20.3	18.3	3.1	3.1	2.9	14.5	14.5	13.9	24.8	24.7	24.1	31
3.5	3.6	3.5	12.0	12.7	11.5	1.8	1.8	1.7	10.7	10.7	10.4	30.1	30.3	30.8	32
51.4	52.0	51.0	177.6	181.5	168.5	40.3	40.3	39.2	131.3	131.7	126.5	178.2	179.2	168.3	33
35.9	36.5	35.3	120.8	123.7	114.1	29.1	29.0	28.4	85.5	85.9	82.9	93.2	93.4	86.8	34
54.5	55.1	52.8	229.2	242.3	222.3	75.3	75.4	71.0	185.5	186.2	177.0	160.0	160.9	155.4	35
6.3	6.4	6.2	29.8	32.0	28.6	4.9	4.9	4.7	21.1	21.4	20.2	14.4	14.5	14.0	36
12.4	12.4	11.8	64.7	66.7	60.5	43.1	43.2	41.5	45.8	46.1	44.4	45.8	45.5	43.3	37
1.6	1.6	1.8	7.4	7.6	7.4	1.2	1.2	1.2	5.4	5.3	5.3	4.8	4.8	4.7	38
13.9	14.0	13.7	32.7	34.1	30.7	8.3	8.2	8.0	33.1	33.3	31.6	19.8	19.7	19.9	39
3.5	3.5	3.3	17.4	18.5	17.0	4.7	4.6	4.3	17.1	17.2	16.2	8.0	8.2	7.9	40
3.3	3.4	3.2	12.9	13.8	13.0	2.3	2.3	2.1	10.6	10.9	10.1	8.3	8.3	8.5	41
11.0	10.8	10.7	42.7	44.4	42.1	9.2	9.2	8.7	27.9	28.3	28.4	32.6	32.9	32.2	42
9.6	9.5	9.4	36.3	37.9	35.8	8.2	8.2	7.7	25.3	25.7	25.7	27.4	27.9	26.9	43
30.1	30.1	31.1	84.4	87.4	83.9	32.4	32.5	32.2	137.4	139.3	136.0	365.2	365.6	359.9	44
60.5	60.8	59.6	229.8	237.3	222.3	64.6	64.9	63.6	249.1	251.5	240.4	433.0	433.1	425.0	45
158.7	158.9	153.8	592.5	610.6	573.1	135.0	134.4	129.8	412.1	402.1	404.0	414.4	413.6	392.6	46
9.7	9.5	9.3	53.1	54.1	52.2	11.3	11.3	11.3	36.0	34.7	36.8	27.0	26.9	24.6	47
(*)	21.5	21.2	(*)	54.0	52.8	(*)	18.9	18.3	(*)	28.6	28.4	(*)	32.7	33.7	48
(*)	56.2	55.4	(*)	140.3	133.3	(*)	33.3	31.9	(*)	111.5	114.4	(*)	57.9	57.0	49
8.9	9.2	8.2	42.7	43.4	40.4	9.9	9.9	9.1	26.5	26.1	24.1	23.1	23.2	21.9	50
3.6	3.7	3.6	14.1	14.6	14.2	2.7	2.7	2.7	9.2	9.2	9.0	18.2	18.2	18.5	51
(*)	21.3	20.9	(*)	92.2	88.0	(*)	18.0	17.6	(*)	56.1	56.4	(*)	45.1	43.7	52
5.2	5.2	5.0	30.3	30.2	29.3	7.3	7.6	7.0	26.3	24.8	24.5	16.6	16.4	16.2	53
105.7	106.4	104.5	325.8	344.7	327.1	78.9	78.5	75.4	188.0	188.2	183.8	305.7	305.2	291.8	54
58.8	59.0	58.6	169.4	176.9	163.9	45.1	44.8	43.0	92.8	92.6	89.9	99.1	98.9	90.5	55

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970
<b>GEORGIA (continued)</b>													
1	Augusta <sup>1</sup>	86.9	88.1	87.7	(2)	(2)	(2)	4.6	4.7	4.3	29.2	29.2	30.6
2	Columbus <sup>1</sup>	67.6	69.0	69.1	(2)	(2)	(2)	3.7	4.2	3.8	18.3	18.6	19.3
3	Macon <sup>1</sup>	77.4	78.7	78.9	(2)	(2)	(2)	3.4	3.7	4.7	14.1	14.2	15.0
4	Savannah <sup>1</sup>	64.8	66.0	68.0	(2)	(2)	(2)	3.9	4.2	4.6	15.2	15.3	17.1
<b>HAWAII<sup>1</sup></b>													
5	Honolulu <sup>1</sup>	292.5	294.7	283.5	(2)	(2)	(2)	23.4	23.7	25.6	23.4	22.4	24.0
6	Honolulu <sup>1</sup>	248.9	253.0	240.7	(2)	(2)	(2)	20.6	20.9	22.7	16.4	15.7	16.7
<b>IDAHO</b>													
7	Boise	203.3	208.1	197.9	3.4	3.5	3.3	8.4	10.0	8.4	40.0	40.6	40.2
8	Boise	41.9	42.7	39.2	(2)	(2)	(2)	2.3	2.5	2.1	4.8	4.9	4.4
<b>ILLINOIS<sup>1</sup></b>													
9	Chicago <sup>5</sup>	4,268.3	4,376.9	4,295.2	21.7	22.7	22.2	157.3	178.4	162.6	1,304.1	1,316.0	1,362.2
10	Chicago	2,985.6	3,063.5	3,015.3	4.2	4.5	4.7	113.5	125.2	118.3	924.8	934.0	973.0
11	Chicago-Northwestern Indiana	(*)	3,287.8	3,236.5	(*)	4.7	4.8	(*)	139.7	132.9	(*)	1,039.4	1,080.9
12	Davenport-Rock Island-Moline	(*)	130.6	129.9	(*)	(3)	(3)	(*)	5.8	5.3	(*)	41.1	42.9
13	Peoria	129.2	133.8	129.7	(3)	(3)	(3)	6.7	7.8	6.7	48.0	47.9	48.9
14	Rockford	106.2	108.5	108.0	(3)	(3)	(3)	4.0	4.4	4.4	51.0	51.4	52.7
<b>INDIANA</b>													
15	Evansville <sup>1</sup>	1,792.2	1,832.7	1,833.3	6.5	6.7	6.4	64.4	73.3	72.6	681.5	688.1	727.4
16	Evansville <sup>1</sup>	81.5	83.3	87.6	1.4	1.5	1.5	4.1	4.6	3.9	26.1	26.2	33.5
17	Fort Wayne <sup>1</sup>	116.4	118.6	113.1	(2)	(2)	(2)	4.4	4.8	4.9	42.1	42.4	39.8
18	Gary-Hammond-East Chicago <sup>1 5</sup>	217.9	219.3	219.3	(2)	(2)	(2)	10.8	11.4	12.6	105.6	103.5	108.4
19	Indianapolis <sup>1</sup>	409.8	417.6	417.0	(2)	(2)	(2)	15.8	16.9	16.6	123.5	124.4	133.9
20	Muncie <sup>1</sup>	47.0	47.7	46.8	(2)	(2)	(2)	1.6	1.9	1.6	18.5	18.3	19.3
21	South Bend <sup>1</sup>	90.5	93.0	94.7	(2)	(2)	(2)	3.4	3.6	3.5	29.6	30.4	34.2
22	Terre Haute <sup>1</sup>	55.2	56.7	54.4	1.2	1.2	1.0	2.4	2.9	2.5	14.9	15.5	15.3
<b>IOWA</b>													
23	Cedar Rapids	861.3	881.6	869.8	2.4	2.8	2.5	33.0	38.6	33.7	204.2	208.4	220.7
24	Cedar Rapids	62.7	64.3	66.4	(2)	(2)	(2)	2.5	2.8	2.7	23.1	23.4	27.0
25	Des Moines	129.1	130.2	128.5	(2)	(2)	(2)	5.9	6.2	5.6	24.9	24.4	25.7
26	Dubuque	33.8	34.3	33.8	(2)	(2)	(2)	1.4	1.5	1.2	13.7	13.6	14.1
27	Sioux City	40.7	41.8	40.9	(2)	(2)	(2)	1.6	1.9	1.8	9.7	10.1	9.7
28	Waterloo	49.1	49.3	50.6	(2)	(2)	(2)	1.7	1.8	1.9	18.0	17.3	19.2
<b>KANSAS</b>													
29	Topeka	(*)	675.6	683.2	(*)	10.7	11.2	(*)	28.8	28.9	(*)	126.6	146.4
30	Topeka	(*)	62.8	62.1	(*)	.1	.1	(*)	2.8	3.0	(*)	9.7	9.5
31	Wichita	(*)	133.9	147.6	(*)	2.5	2.9	(*)	5.3	6.1	(*)	35.2	46.8
<b>KENTUCKY</b>													
32	Lexington	910.7	933.2	879.3	27.7	28.2	27.3	46.4	51.6	40.4	250.5	251.6	241.5
33	Lexington	77.8	80.3	77.9	(2)	(2)	(2)	4.0	4.8	4.4	16.1	16.3	17.3
34	Louisville <sup>1</sup>	324.6	331.6	313.5	(2)	(2)	(2)	13.2	15.3	13.4	110.3	111.8	105.8
<b>LOUISIANA<sup>1</sup></b>													
35	Baton Rouge <sup>1</sup>	1,046.1	1,063.9	1,037.2	50.7	50.7	51.9	74.0	76.5	70.0	171.7	175.3	176.1
36	Baton Rouge <sup>1</sup>	105.1	105.4	102.7	.5	.5	.5	12.9	12.4	11.2	17.9	17.9	18.4
37	Lake Charles <sup>1</sup>	41.1	41.5	41.5	1.4	1.4	1.5	4.6	4.8	5.5	9.1	9.0	9.1
38	Monroe <sup>1</sup>	37.3	37.6	37.0	.4	.4	.4	2.8	2.9	2.8	6.6	6.4	6.7
39	New Orleans	(*)	376.9	376.0	(*)	14.2	15.1	(*)	21.5	21.8	(*)	53.5	55.0
40	Shreveport <sup>1</sup>	92.4	93.2	91.4	3.7	3.7	3.9	5.8	5.9	5.3	16.1	16.1	16.9
<b>MAINE<sup>1</sup></b>													
41	Lewiston-Auburn <sup>1</sup>	322.0	330.7	324.8	(2)	(2)	(2)	14.3	15.9	14.5	103.8	105.7	113.3
42	Lewiston-Auburn <sup>1</sup>	28.3	29.3	28.8	(2)	(2)	(2)	1.4	1.5	1.6	12.7	13.1	13.4
43	Portland <sup>1</sup>	64.1	66.1	62.5	(2)	(2)	(2)	3.2	3.5	3.2	13.1	13.0	14.4
<b>MARYLAND<sup>1 4</sup></b>													
44	Baltimore <sup>1</sup>	1,292.0	1,328.6	1,266.3	1.9	1.9	1.6	78.6	86.8	75.1	260.7	263.4	274.7
45	Baltimore <sup>1</sup>	800.6	822.6	790.0	.3	.3	.3	38.6	43.4	37.2	188.9	190.4	199.2
<b>MASSACHUSETTS</b>													
46	Boston	2,182.8	2,246.3	2,209.8	(2)	(2)	(2)	79.7	94.2	84.9	606.3	613.2	646.7
47	Boston	1,261.8	1,304.2	1,265.9	(2)	(2)	(2)	43.9	51.4	44.4	264.4	268.1	277.5
48	Brockton	49.3	51.1	49.0	-	-	-	1.9	2.4	1.5	14.9	15.2	16.7
49	Fall River	45.9	47.4	46.8	(2)	(2)	(2)	(2)	(2)	(2)	21.8	22.1	22.9
50	Lawrence-Haverhill	77.8	78.7	79.2	(2)	(2)	(2)	1.8	2.1	1.6	34.6	35.0	38.3
51	Lowell	52.5	53.5	53.2	(2)	(2)	(2)	2.2	2.6	2.2	19.5	19.6	20.9
52	New Bedford	51.1	51.9	53.9	(2)	(2)	(2)	1.6	1.8	1.4	23.5	23.2	26.7
53	Springfield-Chicopee-Holyoke	188.5	193.9	193.1	(2)	(2)	(2)	7.1	8.3	6.9	64.0	65.3	69.9
54	Worcester	125.2	129.2	129.4	(2)	(2)	(2)	4.7	5.9	4.5	40.7	41.5	47.5

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			
Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	
3.7	3.7	3.9	15.5	16.5	15.1	3.0	3.0	3.0	10.4	10.5	10.3	20.5	20.5	20.5	1
3.3	3.5	3.2	13.5	14.0	13.3	3.9	3.9	3.8	9.0	8.8	9.0	15.9	16.0	16.7	2
3.4	3.4	3.4	15.1	15.9	14.2	4.2	4.1	3.9	9.3	9.4	9.0	27.9	28.0	28.7	3
6.9	7.2	6.8	14.6	15.2	15.3	3.3	3.3	3.3	9.4	9.3	9.5	11.5	11.5	11.4	4
23.5	24.0	23.0	70.1	72.8	66.4	18.4	18.3	17.4	57.6	56.5	55.6	76.1	77.0	71.5	5
19.9	20.4	19.6	59.9	62.5	56.8	16.7	16.7	15.8	48.9	49.4	46.6	66.5	67.4	62.5	6
14.1	14.2	14.0	48.0	50.5	46.7	7.9	8.0	7.7	32.4	31.8	31.1	49.1	49.5	46.5	7
3.3	3.3	3.1	11.5	12.1	11.1	2.9	2.9	2.7	6.6	6.7	6.3	10.5	10.3	9.5	8
282.8	287.9	284.6	929.0	983.3	939.4	235.3	236.1	228.9	684.8	689.8	669.5	653.3	662.7	626.0	9
207.5	211.6	207.8	679.2	718.2	678.1	184.6	185.2	179.9	511.1	515.3	497.8	360.7	369.5	355.7	10
(*)	226.3	221.1	(*)	759.9	714.9	(*)	191.9	186.0	(*)	539.9	520.5	(*)	386.1	375.5	11
(*)	6.7	6.7	(*)	30.1	28.8	(*)	5.2	5.1	(*)	19.1	18.4	(*)	22.5	22.7	12
7.1	7.2	7.2	27.4	30.4	28.1	5.3	5.4	5.4	19.0	19.2	18.3	15.8	15.8	15.1	13
3.6	3.6	3.6	20.0	21.2	20.5	3.2	3.2	3.2	14.2	14.2	13.5	10.3	10.5	10.1	14
97.8	99.0	101.0	360.2	378.2	361.7	75.4	75.6	75.0	216.3	217.7	212.5	290.3	294.3	276.7	15
5.2	5.3	5.2	19.3	20.2	19.0	3.2	3.2	3.2	13.5	13.6	12.9	8.7	8.7	8.4	16
8.2	8.3	8.1	27.8	28.9	27.2	6.6	6.7	6.3	15.1	15.3	15.0	12.2	12.2	11.8	17
13.9	14.0	13.9	36.0	38.2	35.8	6.1	6.2	6.0	22.9	23.3	22.8	22.6	22.7	19.8	18
28.3	28.5	28.1	93.6	98.6	93.9	28.7	28.9	28.1	53.3	53.5	50.9	66.6	66.8	65.5	19
2.4	2.4	2.3	9.2	9.7	8.5	1.4	1.4	1.4	5.0	5.1	5.1	8.9	8.9	8.6	20
4.8	4.9	5.0	20.8	21.9	20.7	4.9	4.9	4.9	15.9	16.2	15.8	11.1	11.1	10.6	21
4.2	4.2	4.1	13.1	13.6	12.9	1.8	1.8	1.7	6.4	6.4	6.4	11.2	11.1	10.5	22
49.3	49.8	50.2	205.6	214.8	203.7	41.4	41.4	40.5	146.5	146.9	143.3	179.0	178.9	175.2	23
3.2	3.2	3.1	13.5	14.3	13.3	3.1	3.1	3.1	10.2	10.2	9.9	7.3	7.2	7.3	24
9.2	9.3	9.3	32.0	33.4	32.4	15.1	15.1	14.6	22.4	22.6	22.0	19.6	19.2	18.9	25
1.6	1.6	1.7	6.9	7.3	6.7	.9	.9	.9	6.4	6.4	6.3	2.9	2.8	2.8	26
3.1	3.2	3.3	11.3	11.7	11.3	2.1	2.1	2.0	7.3	7.4	7.5	5.5	5.5	5.3	27
2.2	2.4	2.4	10.4	10.9	10.7	1.4	1.5	1.5	7.0	7.1	7.0	8.3	8.4	8.0	28
(*)	52.9	51.6	(*)	165.1	157.6	(*)	30.5	30.0	(*)	103.7	101.4	(*)	157.3	156.1	29
(*)	7.1	7.3	(*)	13.3	12.5	(*)	4.1	3.9	(*)	10.1	9.9	(*)	15.7	16.1	30
(*)	7.9	7.7	(*)	31.7	33.3	(*)	6.7	6.8	(*)	24.5	24.4	(*)	20.4	19.7	31
59.2	59.6	59.3	187.3	198.3	183.5	35.5	34.9	34.8	125.3	127.4	122.3	178.8	181.6	170.2	32
4.5	4.4	4.3	15.1	16.0	14.7	3.6	3.7	3.7	12.7	13.2	12.2	21.8	21.9	21.3	33
22.8	22.9	22.9	69.1	72.4	68.2	16.9	17.0	16.6	47.6	47.8	46.4	44.7	44.4	40.2	34
93.0	93.4	92.2	227.9	238.5	226.6	49.4	49.3	48.9	157.3	157.9	156.2	222.1	222.3	215.3	35
5.2	5.3	5.3	21.2	21.6	21.4	5.7	5.6	5.7	14.3	14.3	14.3	27.4	27.8	25.9	36
3.2	3.1	3.1	8.5	8.9	8.3	1.4	1.4	1.4	5.8	5.8	5.7	7.1	7.1	6.9	37
2.2	2.1	2.2	9.6	10.1	9.6	2.3	2.3	2.4	5.4	5.4	5.4	8.0	8.0	7.5	38
(*)	47.1	47.3	(*)	91.7	89.8	(*)	22.4	22.7	(*)	68.2	67.9	(*)	58.2	56.4	39
9.1	9.1	9.1	22.9	23.7	22.5	4.4	4.4	4.4	14.6	14.5	14.0	15.8	15.8	15.3	40
17.5	17.5	17.1	64.0	68.0	62.9	12.5	12.5	11.8	41.6	42.2	40.1	68.3	68.9	65.1	41
1.0	1.0	.9	6.1	6.4	6.0	.9	.9	.8	4.1	4.3	4.0	2.1	2.1	2.1	42
5.5	5.5	5.2	17.4	18.9	16.9	5.6	5.6	5.3	11.1	11.2	10.0	8.2	8.4	7.5	43
81.7	82.5	79.0	309.2	329.3	295.6	68.2	69.1	66.0	237.0	240.0	227.1	254.7	255.6	247.2	44
57.6	58.4	55.4	177.7	190.3	172.2	43.4	43.8	42.4	135.9	137.5	129.8	158.2	158.5	153.5	45
117.6	119.3	114.4	476.9	511.7	482.7	130.0	130.8	127.6	467.4	470.1	456.5	304.9	307.0	297.0	46
76.1	76.7	74.2	287.0	308.9	289.4	93.8	93.8	93.1	320.2	326.8	312.3	176.4	178.5	175.0	47
3.7	3.7	3.4	13.1	13.8	12.0	1.4	1.4	1.4	6.4	6.7	6.3	7.9	7.9	7.7	48
1.8	1.9	1.8	9.0	9.7	9.2	(2)	(2)	(2)	9.3	9.7	8.7	4.0	4.0	4.2	49
2.4	2.4	2.4	14.8	16.2	14.6	2.3	2.4	2.3	10.0	10.2	9.2	11.9	10.4	10.8	50
2.1	2.1	2.1	11.3	11.6	11.0	1.4	1.4	1.4	9.1	9.3	8.8	6.9	6.9	6.8	51
2.7	2.7	2.7	9.7	10.3	9.4	(2)	(2)	(2)	8.8	9.1	9.1	4.8	4.8	4.6	52
8.2	8.3	8.2	39.4	41.7	39.1	9.3	9.4	9.2	35.0	35.1	34.0	25.5	25.8	25.8	53
6.2	6.3	6.3	26.8	28.3	25.6	7.3	7.3	7.2	22.7	22.8	22.1	16.8	17.1	16.2	54

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970
1	<b>MICHIGAN</b> .....	2,932.5	2,988.8	3,041.5	11.5	12.4	11.3	90.7	98.2	101.8	1,070.4	1,074.9	1,163.1
2	Ann Arbor.....	109.9	112.2	106.3	(2)	(2)	(2)	2.2	2.4	2.5	38.6	38.4	38.0
3	Battle Creek.....	59.7	60.4	60.8	(2)	(2)	(2)	1.6	1.8	1.7	24.5	24.5	25.6
4	Bay City.....	30.6	31.0	30.6	(2)	(2)	(2)	.8	.9	1.0	11.3	11.4	11.7
5	Detroit.....	1,459.9	1,487.9	1,522.3	.8	.9	1.1	47.6	49.8	50.5	549.1	550.4	595.7
6	Flint.....	157.3	157.3	168.3	(2)	(2)	(2)	3.6	4.2	5.3	80.1	79.0	84.5
7	Grand Rapids.....	185.6	190.0	190.2	(2)	(2)	(2)	6.5	7.0	7.5	70.6	71.6	75.7
8	Jackson.....	44.9	46.0	47.0	(2)	(2)	(2)	1.5	1.6	1.6	16.3	16.8	18.8
9	Kalamazoo.....	72.3	73.9	74.9	(2)	(2)	(2)	3.1	3.3	3.3	27.0	27.1	29.5
10	Lansing.....	130.0	134.6	137.1	(2)	(2)	(2)	4.0	4.4	4.9	38.4	40.0	41.8
11	Muskegon-Muskegon Heights.....	49.5	49.4	52.8	(2)	(2)	(2)	1.1	1.3	1.2	23.7	23.2	27.5
12	Saginaw.....	73.9	74.5	74.4	(2)	(2)	(2)	3.0	3.1	3.4	32.1	32.3	32.9
13	<b>MINNESOTA</b> <sup>1</sup> .....	1,279.1	1,307.3	1,292.7	13.4	13.7	13.0	54.7	62.9	55.1	301.7	306.1	326.1
14	Duluth-Superior.....	(*)	57.0	55.0	(*)	(2)	(2)	(*)	2.2	1.9	(*)	10.0	10.3
15	Minneapolis-St. Paul <sup>1</sup> .....	776.2	789.9	790.7	(2)	(2)	(2)	33.6	37.8	35.2	194.7	196.7	216.7
16	<b>MISSISSIPPI</b> <sup>1</sup> .....	576.2	586.3	566.4	6.4	6.4	6.0	29.6	31.7	27.5	181.7	183.3	181.2
17	Jackson <sup>1</sup> .....	93.1	94.6	90.8	.7	.7	.7	4.7	5.2	5.3	13.7	13.9	13.7
18	<b>MISSOURI</b> .....	1,612.1	1,652.5	1,659.0	8.0	8.5	8.5	57.1	66.9	64.4	422.2	428.2	452.1
19	Kansas City.....	504.0	513.8	511.5	.5	.5	.5	19.6	21.4	23.0	122.6	124.2	130.8
20	St. Joseph.....	31.1	31.3	31.7	(3)	(3)	(3)	1.5	1.9	1.4	8.9	8.4	9.9
21	St. Louis <sup>1</sup> .....	877.4	900.8	897.8	2.1	2.2	2.2	36.3	40.9	34.6	262.8	267.1	285.3
22	Springfield.....	55.2	57.3	55.4	.1	.1	.1	2.1	2.5	2.4	15.2	15.8	15.3
23	<b>MONTANA</b> .....	194.3	199.4	188.8	6.7	6.6	6.4	7.3	9.1	6.9	23.4	23.5	23.3
24	Billings.....	28.5	29.7	27.7	(2)	(2)	(2)	1.2	1.6	1.4	3.3	3.4	3.0
25	Great Falls.....	23.7	24.5	23.1	(2)	(2)	(2)	1.6	1.8	1.2	2.8	2.8	2.9
26	<b>NEBRASKA</b> <sup>1</sup> .....	476.5	486.4	473.0	1.5	1.6	1.4	19.9	23.4	21.4	82.0	82.8	87.3
27	Lincoln.....	70.8	73.0	70.4	-	-	-	2.9	3.6	3.4	10.4	10.4	10.6
28	Omaha <sup>1</sup> .....	206.6	210.7	204.7	(3)	(3)	(3)	9.3	10.8	9.3	37.1	37.4	41.1
29	<b>NEVADA</b> .....	199.4	202.4	194.2	4.0	4.0	4.0	10.8	11.4	11.2	8.3	8.3	8.1
30	Las Vegas.....	112.1	113.3	109.4	.2	.2	.1	7.2	7.3	7.0	4.1	4.1	4.2
31	Reno.....	55.5	56.8	52.1	.2	.2	.2	3.1	3.3	3.0	3.0	3.0	2.8
32	<b>NEW HAMPSHIRE</b> .....	248.1	253.4	253.5	.3	.3	.3	10.5	12.2	11.6	85.9	86.7	96.2
33	Manchester.....	48.4	50.1	48.1	(2)	(2)	(2)	1.9	2.2	2.2	16.4	16.5	16.3
34	<b>NEW JERSEY</b> .....	2,550.7	2,606.3	2,556.6	3.0	3.2	3.0	112.1	123.8	102.7	838.3	844.9	882.2
35	Atlantic City.....	58.3	61.3	59.1	-	-	-	3.6	3.8	3.4	10.0	10.1	11.2
36	Camden <sup>6</sup> .....	253.6	258.9	248.4	.1	.1	.1	12.8	14.4	11.9	71.3	71.8	75.5
37	Jersey City <sup>7</sup> .....	261.6	267.3	268.8	-	-	-	6.8	7.8	6.8	105.6	107.2	111.3
38	Newark <sup>7</sup> .....	782.3	796.8	787.5	.8	.9	.9	30.2	32.7	28.6	236.5	238.3	252.2
39	Paterson-Clifton-Passaic <sup>7</sup> .....	498.3	508.8	496.7	.4	.4	.4	20.6	22.7	19.3	180.1	181.9	189.2
40	Perth Amboy <sup>7</sup> .....	275.5	281.3	273.0	.8	.8	.8	13.3	14.1	12.1	108.3	108.5	114.7
41	Trenton.....	132.7	135.1	132.2	(2)	(2)	(2)	4.4	4.5	4.0	39.4	39.8	41.0
42	<b>NEW MEXICO</b> .....	(*)	290.0	285.3	(*)	16.5	16.8	(*)	14.7	14.7	(*)	21.1	21.2
43	Albuquerque.....	(*)	109.3	104.7	(*)	(2)	(2)	(*)	7.1	6.0	(*)	9.1	9.2
44	<b>NEW YORK</b> .....	(*)	7,238.5	7,094.8	(*)	8.0	7.5	(*)	263.1	222.4	(*)	1,748.0	1,816.3
45	Albany-Schenectady-Troy <sup>1</sup> .....	275.7	282.6	260.6	(2)	(2)	(2)	11.4	13.7	12.7	60.8	60.6	50.5
46	Binghamton <sup>1</sup> .....	101.4	104.6	104.1	(2)	(2)	(2)	3.8	4.6	3.5	39.9	40.5	44.5
47	Buffalo <sup>1</sup> .....	482.3	496.8	496.6	(2)	(2)	(2)	14.4	17.2	15.9	163.5	165.2	176.7
48	Elmira <sup>1</sup> .....	37.3	38.4	37.7	(2)	(2)	(2)	1.3	1.7	1.3	14.8	15.1	15.3
49	Monroe County <sup>1 8</sup> .....	298.8	307.5	305.9	(2)	(2)	(2)	12.8	14.2	11.4	123.6	125.0	134.8
50	Nassau and Suffolk Counties <sup>1 9</sup> .....	714.2	738.8	704.8	(2)	(2)	(2)	31.4	36.4	29.6	144.5	146.1	160.6
51	New York-Northeastern New Jersey.....	(*)	6,793.1	6,662.3	(*)	4.7	4.6	(*)	246.3	215.6	(*)	1,657.5	1,728.4
52	New York SMSA.....	(*)	4,938.4	4,841.4	(*)	2.6	2.5	(*)	169.6	148.8	(*)	1,019.7	1,061.0
53	New York City <sup>9</sup> .....	(*)	3,833.8	3,793.2	(*)	2.0	2.0	(*)	107.8	98.0	(*)	787.1	806.5
54	Rochester <sup>1</sup> .....	338.9	349.6	346.7	(2)	(2)	(2)	13.7	15.2	12.2	136.6	139.0	148.7
55	Rockland County <sup>1 9</sup> .....	62.2	64.3	58.6	(2)	(2)	(2)	3.2	3.9	2.6	14.6	14.6	14.6
56	Syracuse <sup>1</sup> .....	219.7	226.3	219.1	(2)	(2)	(2)	8.1	9.4	8.0	59.8	60.1	61.3
57	Utica-Rome <sup>1</sup> .....	110.0	113.2	111.4	(2)	(2)	(2)	3.0	3.6	2.8	38.6	39.2	39.2
58	Westchester County <sup>1 9</sup> .....	306.1	314.2	297.9	(2)	(2)	(2)	16.9	19.5	15.4	75.2	75.2	77.5

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			
Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	
141.2	143.9	147.4	566.7	602.7	590.5	114.9	114.8	113.3	410.1	411.9	403.0	527.1	529.9	511.1	1
2.7	2.7	2.7	13.9	15.0	13.1	2.3	2.3	2.2	10.3	10.4	10.6	39.8	41.1	37.3	2
2.7	2.7	2.6	9.2	9.7	9.1	3.2	3.2	3.4	7.9	7.9	7.8	10.7	10.7	10.6	3
1.6	1.6	1.6	7.1	7.3	7.0	.9	.8	.8	3.9	3.9	3.7	5.1	5.1	4.9	4
76.7	77.3	78.6	286.9	308.3	299.2	67.6	67.5	66.5	216.1	217.7	219.0	215.1	216.0	211.8	5
4.3	4.3	4.6	23.8	23.9	25.8	4.1	4.1	4.1	16.1	16.4	17.4	25.2	25.4	26.7	6
9.1	9.3	9.8	43.9	46.4	43.5	7.0	7.1	6.9	26.7	26.9	26.8	21.8	21.8	20.0	7
4.3	4.3	4.3	8.5	8.9	8.4	1.3	1.3	1.3	5.2	5.2	5.1	7.8	7.9	7.6	8
2.4	2.4	2.5	13.9	14.4	13.8	2.2	2.2	2.2	8.9	9.0	8.9	14.8	15.3	14.7	9
3.3	3.2	3.5	21.0	21.1	22.1	6.0	5.8	5.8	14.3	15.0	14.5	43.0	45.1	44.4	10
2.6	2.6	2.5	8.2	8.4	8.0	1.3	1.3	1.2	5.7	5.7	5.5	6.9	6.9	6.8	11
3.7	3.8	4.0	13.7	13.9	13.7	2.7	2.7	2.6	9.1	9.1	8.8	9.8	9.7	9.0	12
85.6	86.0	87.3	311.2	322.9	309.8	64.0	64.1	63.1	214.0	216.7	208.9	234.5	234.8	229.5	13
(*)	7.0	6.6	(*)	13.8	13.1	(*)	2.0	2.0	(*)	11.5	11.0	(*)	10.3	10.1	14
59.6	58.7	57.3	189.0	195.5	190.1	47.6	47.7	46.6	143.4	144.9	138.9	108.4	108.8	105.8	15
29.2	30.4	29.4	105.7	111.1	103.7	21.3	21.3	20.6	67.2	67.4	65.8	135.0	134.7	132.1	16
6.0	6.0	5.9	22.4	23.4	21.0	7.1	7.1	6.9	16.5	16.6	16.2	22.0	21.6	21.0	17
118.9	121.1	123.7	365.3	382.0	372.9	90.1	90.1	88.6	255.2	258.2	257.0	295.3	297.5	291.8	18
50.5	51.3	51.1	124.3	129.3	125.5	32.3	32.7	32.0	81.1	81.7	78.7	73.1	72.7	69.9	19
2.1	2.0	2.1	7.7	8.2	7.6	1.4	1.4	1.3	4.7	4.7	4.7	4.8	4.7	4.7	20
61.9	62.5	67.5	190.7	200.2	188.6	46.7	46.8	45.8	150.8	152.7	149.5	126.1	128.4	124.3	21
4.5	4.5	4.4	14.2	14.9	13.7	2.2	2.2	2.2	9.1	9.2	9.2	7.9	8.1	8.1	22
16.9	16.9	17.0	46.5	49.6	45.2	8.1	8.1	7.9	32.4	32.9	31.8	53.0	52.7	50.3	23
2.6	2.5	2.6	8.9	9.5	8.5	1.5	1.5	1.5	5.6	5.7	5.5	5.4	5.5	5.2	24
2.1	2.1	2.1	6.1	6.4	5.9	1.5	1.5	1.4	4.6	4.8	4.7	5.0	5.1	4.9	25
35.9	36.3	36.2	119.9	124.6	118.2	29.5	29.5	28.3	82.7	83.3	80.1	105.1	105.1	99.9	26
4.8	4.8	4.9	14.8	15.8	15.0	5.5	5.5	5.3	11.1	11.4	11.0	21.2	21.5	20.2	27
19.9	20.1	20.5	54.0	56.0	52.1	17.0	17.0	16.3	37.5	37.9	36.2	31.7	31.5	29.2	28
14.0	14.0	13.3	38.8	40.9	36.7	7.9	7.9	7.7	77.5	78.0	77.0	38.1	37.9	36.2	29
7.3	7.3	6.9	21.9	22.7	20.3	4.2	4.2	4.0	50.7	51.1	51.2	16.5	16.4	15.7	30
4.8	4.8	4.5	12.4	13.3	11.4	3.1	3.1	3.0	18.3	18.5	17.1	10.6	10.6	10.1	31
12.0	11.7	11.7	49.7	52.1	47.9	11.5	11.4	10.8	39.7	40.4	38.4	38.5	38.6	36.6	32
3.5	3.6	3.5	11.2	12.1	11.2	3.3	3.3	3.1	8.0	8.1	7.9	4.1	4.3	3.9	33
176.9	178.4	178.0	528.3	557.7	516.4	122.3	123.0	116.3	399.3	404.0	396.7	370.5	371.3	361.3	34
3.6	3.6	3.6	14.8	16.7	15.1	3.0	3.0	2.9	12.2	13.2	12.5	11.1	10.9	10.4	35
13.6	13.7	13.0	61.8	64.9	57.0	9.5	9.3	8.9	37.4	37.9	37.0	47.1	46.8	45.0	36
36.0	36.6	37.6	45.0	46.7	44.3	9.6	9.7	9.5	29.6	30.0	30.6	29.0	29.3	28.7	37
61.2	61.1	62.1	155.8	163.1	154.1	59.4	59.8	55.8	134.4	136.5	132.1	104.0	104.4	101.7	38
26.1	26.2	25.3	127.0	132.6	121.7	18.7	18.7	17.6	72.4	73.2	72.7	53.0	53.1	50.5	39
14.4	14.4	13.8	55.3	59.4	51.8	5.9	5.9	5.6	31.7	32.0	30.7	45.8	46.2	43.5	40
6.8	7.0	6.7	21.1	22.3	20.7	5.0	5.0	4.9	28.0	28.5	27.9	28.0	28.0	27.0	41
(*)	20.4	20.1	(*)	62.5	59.6	(*)	12.4	12.2	(*)	52.2	52.4	(*)	90.2	88.3	42
(*)	6.7	6.7	(*)	27.5	25.2	(*)	6.6	6.1	(*)	24.8	25.4	(*)	27.5	26.1	43
(*)	490.6	507.0	(*)	1,521.6	1,433.8	(*)	602.8	597.0	(*)	1,374.3	1,333.4	(*)	1,230.1	1,177.2	44
15.9	16.1	15.7	55.2	59.4	53.8	10.9	11.0	10.7	46.8	47.0	45.0	74.7	74.9	72.0	45
4.6	4.6	4.8	17.7	18.9	17.5	3.2	3.2	3.2	11.8	12.0	11.8	20.4	20.7	18.8	46
30.4	31.6	31.9	98.9	105.7	100.8	19.3	19.5	19.1	75.3	76.3	73.8	80.6	81.4	78.4	47
1.5	1.5	1.5	7.6	8.1	7.8	1.0	1.0	1.0	5.7	5.6	5.6	5.5	5.4	5.3	48
10.6	10.8	11.3	54.8	58.9	54.4	11.4	11.4	11.2	50.5	50.9	48.3	35.2	36.1	34.5	49
34.7	34.6	32.2	192.1	205.9	188.2	33.6	33.7	31.6	130.7	133.4	124.6	147.2	148.7	138.0	50
(*)	512.4	524.3	(*)	1,460.3	1,374.4	(*)	610.0	601.6	(*)	1,284.1	1,251.2	(*)	1,017.8	962.2	51
(*)	373.8	385.7	(*)	1,058.5	1,002.5	(*)	515.9	513.1	(*)	1,012.7	985.0	(*)	785.5	742.9	52
(*)	317.0	332.8	(*)	777.5	747.0	(*)	468.4	468.0	(*)	806.7	792.9	(*)	567.2	546.1	53
12.1	12.4	12.9	62.3	66.9	61.8	12.1	12.2	11.9	54.8	55.8	52.6	47.3	48.3	46.6	54
3.4	3.4	3.4	12.9	13.7	11.8	2.0	2.0	1.9	9.7	9.9	9.4	16.5	16.9	14.8	55
13.6	13.8	13.9	48.5	51.7	48.6	12.4	12.5	11.7	37.5	38.1	37.0	39.8	40.6	38.5	56
3.9	4.6	5.4	18.9	20.1	18.7	4.7	4.6	4.6	14.3	14.5	14.0	26.5	26.5	26.8	57
19.8	20.0	18.8	70.1	75.0	68.5	13.9	14.0	14.0	64.5	64.2	60.6	45.6	46.4	43.0	58



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970
1	<b>NORTH CAROLINA</b> .....	1,741.2	1,767.8	1,732.1	3.5	3.6	3.5	90.6	94.5	92.1	690.8	694.5	704.7
2	Asheville .....	-	-	-	-	-	-	-	-	-	18.3	18.7	19.4
3	Charlotte .....	176.6	179.5	177.2	(2)	(2)	(2)	10.0	10.6	11.5	41.1	41.3	42.3
4	Greensboro-Winston-Salem-High Point .....	258.9	263.3	258.5	(2)	(2)	(2)	14.1	14.4	13.4	109.2	110.4	111.6
5	Raleigh .....	-	-	-	-	-	-	-	-	-	13.3	13.8	14.5
6	<b>NORTH DAKOTA</b> <sup>1</sup> .....	160.1	165.7	155.0	1.6	1.8	1.7	7.6	9.3	6.2	9.4	9.9	9.3
7	Fargo-Moorhead <sup>1</sup> .....	42.4	43.3	41.1	.1	.1	.1	2.6	2.8	2.4	3.1	3.1	3.1
8	<b>OHIO</b> <sup>1</sup> .....	3,827.0	3,907.7	3,862.9	20.9	21.3	19.7	136.4	155.5	145.5	1,364.1	1,361.3	1,448.1
9	Akron <sup>1</sup> .....	243.0	248.9	245.0	.2	.3	.2	6.8	8.0	7.5	93.9	94.8	100.2
10	Canton <sup>1</sup> .....	135.4	136.6	136.6	.3	.4	.4	4.4	5.1	4.6	60.2	58.7	63.1
11	Cincinnati <sup>1</sup> .....	506.4	511.3	493.6	.4	.4	.4	17.8	20.3	18.3	167.0	161.5	165.5
12	Cleveland <sup>1</sup> .....	838.9	860.2	857.1	1.3	1.4	1.5	31.9	35.1	33.3	281.8	281.6	310.2
13	Columbus <sup>1</sup> .....	375.4	384.9	371.9	.7	.7	.7	14.6	16.8	14.6	88.2	87.8	92.6
14	Dayton <sup>1</sup> .....	322.6	329.0	333.9	.5	.5	.4	10.2	11.5	10.3	119.0	120.1	133.7
15	Toledo <sup>1</sup> .....	241.7	247.1	242.9	.3	.3	.3	8.0	8.9	8.8	79.0	79.5	83.4
16	Youngstown-Warren <sup>1</sup> .....	199.1	202.8	194.6	.3	.3	.3	7.1	7.8	7.9	89.3	88.6	88.2
17	<b>OKLAHOMA</b> <sup>1</sup> .....	770.0	778.0	760.6	37.9	38.3	39.6	36.5	38.3	32.3	133.0	133.4	133.5
18	Oklahoma City <sup>1</sup> .....	259.3	262.3	253.3	6.9	7.0	7.0	12.9	13.7	11.4	38.3	38.3	37.1
19	Tulsa <sup>1</sup> .....	175.1	177.1	178.3	13.3	13.3	13.4	7.6	8.1	7.7	40.2	40.5	43.9
20	<b>OREGON</b> .....	693.8	709.5	692.3	1.1	1.2	1.2	25.2	27.7	26.0	160.4	164.3	168.6
21	Eugene <sup>1</sup> .....	67.2	69.1	67.8	(2)	(2)	(2)	2.5	2.9	2.3	17.3	18.2	17.9
22	Portland .....	376.1	383.0	377.6	(2)	(2)	(2)	15.4	16.6	16.2	81.2	81.8	87.7
23	Salem .....	52.6	53.7	52.3	(2)	(2)	(2)	1.9	2.0	2.4	8.1	8.9	8.4
24	<b>PENNSYLVANIA</b> .....	4,230.7	4,333.2	4,306.2	40.5	40.1	39.2	178.7	198.2	177.7	1,439.8	1,452.2	1,549.5
25	Allentown-Bethlehem-Easton .....	209.8	213.6	213.4	.5	.5	.5	7.0	8.2	7.8	101.0	101.9	105.6
26	Altoona .....	47.0	48.2	47.9	(2)	(2)	(2)	1.6	1.9	1.6	15.4	15.3	15.9
27	Delaware Valley <sup>6</sup> .....	1,503.0	1,553.1	1,543.1	1.1	1.1	1.0	66.6	74.9	64.8	450.7	455.6	492.2
28	Eric .....	96.3	99.8	90.7	(2)	(2)	(2)	3.2	3.6	3.6	42.3	43.4	37.3
29	Harrisburg .....	170.8	174.1	170.4	(2)	(2)	(2)	8.3	8.9	8.1	38.1	38.5	40.1
30	Johnstown .....	77.4	78.9	78.9	5.2	5.1	4.9	2.3	2.9	2.5	24.1	23.7	26.2
31	Lancaster .....	118.5	121.9	116.6	(2)	(2)	(2)	5.7	6.1	5.4	53.0	53.9	54.9
32	Philadelphia .....	1,755.9	1,811.9	1,791.6	1.2	1.3	1.2	79.4	89.3	76.7	521.4	527.3	567.5
33	Pittsburgh .....	845.3	863.1	856.7	9.9	9.5	9.1	39.6	45.6	39.2	262.6	261.4	284.0
34	Reading .....	121.8	123.2	123.8	(2)	(2)	(2)	4.3	4.6	4.0	55.9	54.6	59.7
35	Scranton .....	83.2	86.2	86.5	.4	.4	.5	2.0	2.6	2.3	31.3	31.9	34.9
36	Wilkes-Barre-Hazleton .....	119.9	124.0	120.7	2.0	2.1	2.4	4.9	5.4	4.0	51.1	52.1	52.7
37	York .....	129.8	132.4	131.3	(2)	(2)	(2)	7.3	8.1	7.2	59.6	60.2	62.8
38	<b>RHODE ISLAND</b> <sup>1</sup> .....	332.6	342.6	340.3	(2)	(2)	(2)	12.3	14.2	13.0	115.6	117.0	125.1
39	Providence-Pawtucket-Warwick <sup>1</sup> .....	345.0	354.8	352.8	(2)	(2)	(2)	12.6	14.5	13.3	132.2	133.5	142.2
40	<b>SOUTH CAROLINA</b> <sup>1</sup> .....	832.8	845.4	829.7	1.7	1.7	1.7	47.8	49.3	46.7	331.1	332.9	344.3
41	Charleston .....	(*)	86.4	87.9	(*)	(2)	(2)	(*)	4.7	5.9	(*)	14.5	16.1
42	Columbia .....	(*)	108.5	105.8	(*)	(2)	(2)	(*)	7.2	6.8	(*)	18.4	19.2
43	Greenville .....	(*)	122.8	123.7	(*)	(2)	(2)	(*)	10.0	9.6	(*)	52.5	55.2
44	<b>SOUTH DAKOTA</b> .....	173.0	176.0	171.2	2.1	2.1	2.3	5.4	6.4	5.2	15.3	15.6	15.3
45	Sioux Falls .....	33.9	34.9	33.5	(*)	(*)	(*)	1.4	1.6	1.2	5.7	5.9	5.8
46	<b>TENNESSEE</b> .....	1,332.2	1,345.3	1,317.5	7.4	7.6	7.1	68.7	69.2	63.6	456.9	459.8	466.3
47	Chattanooga <sup>1</sup> .....	129.1	131.8	127.9	.2	.2	.2	5.4	5.8	5.1	52.2	52.6	54.6
48	Knoxville .....	(*)	147.9	148.7	(*)	1.9	1.7	(*)	7.5	6.4	(*)	46.1	48.7
49	Memphis .....	(*)	277.3	270.0	(*)	.3	.2	(*)	15.8	12.9	(*)	58.2	59.8
50	Nashville .....	(*)	222.4	219.1	(*)	(2)	(2)	(*)	13.1	13.0	(*)	62.4	62.8
51	<b>TEXAS</b> <sup>1</sup> .....	3,607.0	3,667.8	3,606.4	104.0	105.2	103.8	212.6	216.2	213.8	711.7	717.3	760.3
52	Amarillo <sup>1</sup> .....	-	-	-	-	-	-	-	-	-	7.1	7.4	6.5
53	Austin <sup>1</sup> .....	116.8	117.3	111.4	(2)	(2)	(2)	8.0	8.1	7.9	11.5	11.5	11.5
54	Beaumont-Port Arthur-Orange <sup>1</sup> .....	106.2	109.3	107.5	(2)	(2)	(2)	7.9	8.6	8.0	35.5	36.3	37.2
55	Corpus Christi .....	-	-	-	-	-	-	-	-	-	(*)	11.3	11.4

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	
92.4	92.5	90.5	311.8	327.6	309.4	70.4	70.5	68.3	206.9	208.1	199.9	274.8	276.5	263.7	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.4	18.5	18.4	45.8	47.3	46.0	12.4	12.4	12.1	27.5	27.6	26.5	21.4	21.8	20.4	3
16.2	16.2	15.8	46.3	48.8	46.9	12.5	12.4	12.0	30.3	30.7	29.4	30.3	30.4	29.4	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
11.3	11.5	11.5	43.8	45.7	42.0	7.1	7.1	6.9	29.2	29.5	28.1	50.2	51.0	49.3	6
3.0	3.0	3.1	12.4	12.8	12.2	2.5	2.5	2.3	8.4	8.6	8.3	10.4	10.5	9.6	7
224.1	227.2	220.6	769.6	819.8	761.5	158.7	159.3	154.1	573.1	575.7	555.1	580.0	587.6	558.2	8
14.2	14.5	14.3	47.9	51.0	47.7	7.2	7.2	6.7	34.9	35.0	32.9	37.8	38.1	35.5	9
7.1	7.0	7.2	25.4	27.1	25.3	4.9	4.9	4.6	20.0	20.0	18.9	13.1	13.3	12.5	10
37.0	37.3	35.7	107.0	113.2	105.2	26.8	26.7	25.9	78.6	79.8	74.9	71.8	72.0	67.6	11
51.9	52.5	50.5	181.2	194.5	180.5	42.5	42.5	40.9	139.7	140.6	134.4	108.7	112.0	105.8	12
21.2	21.4	20.7	78.7	84.9	77.9	25.2	25.6	24.7	65.2	65.1	61.4	81.7	82.5	79.3	13
12.6	12.7	12.5	61.5	64.6	60.7	10.0	10.0	9.5	49.3	49.5	47.9	59.6	60.1	59.0	14
17.2	17.5	16.6	52.7	55.9	52.5	8.2	8.2	8.0	39.5	39.7	38.3	37.0	37.0	35.0	15
10.2	10.3	10.0	38.0	40.3	36.7	5.9	5.9	5.4	27.4	27.7	25.5	20.9	21.8	20.4	16
51.9	51.8	52.1	169.8	174.9	165.7	36.7	36.7	36.4	117.7	118.4	113.8	186.5	186.2	187.2	17
17.0	17.2	16.7	58.1	60.6	57.2	15.6	15.6	15.6	38.7	38.4	37.2	71.8	71.5	71.1	18
15.0	15.1	15.8	40.2	41.3	39.9	9.4	9.4	9.3	30.9	31.0	29.9	18.5	18.4	18.4	19
47.3	47.8	48.1	159.9	167.3	159.0	36.4	36.3	35.6	114.4	115.2	108.9	149.1	149.7	144.9	20
4.1	4.1	4.1	14.0	14.5	14.5	2.9	2.9	3.0	9.8	9.8	9.7	16.6	16.7	16.3	21
29.9	30.1	30.1	92.0	96.0	92.1	24.8	24.9	24.5	68.6	69.2	65.5	64.2	64.4	61.5	22
2.0	2.0	1.8	11.0	11.3	10.9	3.2	3.2	3.3	7.9	8.0	8.0	18.5	18.3	17.5	23
267.7	273.9	268.2	804.5	853.0	805.4	191.0	191.3	186.4	673.7	688.4	666.4	634.8	636.1	613.4	24
12.1	12.3	11.9	34.7	36.0	35.1	6.9	6.9	6.4	27.4	27.6	26.7	20.2	20.2	19.4	25
7.4	7.5	7.6	8.2	8.9	8.4	1.2	1.2	1.2	6.8	7.0	6.9	6.4	6.4	6.3	26
93.7	96.5	95.0	302.9	329.5	310.2	91.8	92.0	90.6	274.3	280.4	270.7	221.9	223.1	218.6	27
5.3	5.4	5.2	17.3	18.7	17.3	3.7	3.7	3.5	13.1	13.7	12.8	11.4	11.3	11.0	28
13.6	13.5	13.1	32.2	34.0	32.3	9.0	8.9	8.6	24.8	25.4	24.6	44.8	44.9	43.6	29
4.9	4.9	4.8	13.6	14.5	13.7	2.2	2.2	2.2	12.3	12.8	12.2	12.8	12.8	12.4	30
5.5	5.6	5.4	23.3	24.8	22.1	2.9	2.9	2.7	17.1	17.7	16.0	11.0	10.9	10.1	31
107.4	110.2	108.0	364.7	394.4	367.2	101.2	101.2	99.6	311.6	318.3	307.7	269.0	269.9	263.7	32
59.5	60.4	59.6	173.1	182.8	170.4	38.1	38.1	37.2	156.1	158.5	154.9	106.4	106.8	102.3	33
6.5	6.5	6.4	19.9	21.3	19.2	4.7	4.8	4.6	16.4	16.7	16.5	14.1	14.7	13.4	34
4.9	4.9	5.1	17.8	18.7	17.2	2.5	2.6	2.5	14.3	14.6	13.9	10.0	10.5	10.1	35
6.7	6.7	6.7	20.9	22.6	21.1	4.1	4.2	3.9	14.4	15.0	14.3	15.8	15.9	15.6	36
6.1	6.1	6.1	24.6	25.6	24.0	2.9	2.9	2.8	15.1	15.3	14.8	14.2	14.2	13.6	37
15.3	15.7	15.5	68.6	73.5	66.5	15.5	15.6	15.3	53.8	54.3	52.9	51.5	52.3	52.0	38
14.9	15.3	15.0	69.2	74.1	67.1	15.5	15.6	15.2	52.9	53.4	52.0	47.7	48.4	48.0	39
36.6	36.8	36.5	142.5	152.5	137.4	30.5	30.2	29.1	90.0	89.9	86.1	152.6	152.1	147.9	40
(*)	5.1	5.3	(*)	17.7	16.5	(*)	3.6	3.5	(*)	10.3	10.4	(*)	30.4	30.2	41
(*)	7.1	6.9	(*)	23.6	22.4	(*)	7.0	6.6	(*)	14.3	13.9	(*)	30.9	30.0	42
(*)	4.5	4.7	(*)	22.0	21.5	(*)	4.9	4.8	(*)	12.7	12.7	(*)	16.2	15.2	43
10.3	10.3	10.5	43.6	45.3	43.4	7.5	7.5	7.4	32.5	32.3	31.7	56.3	56.5	55.4	44
2.9	3.0	3.1	10.5	10.8	10.2	2.0	2.0	2.0	6.6	6.8	6.6	4.8	4.8	4.6	45
65.7	65.9	65.8	263.1	271.3	262.0	57.3	57.9	56.9	177.4	178.3	176.2	235.7	235.3	219.6	46
6.4	6.4	6.5	24.0	25.8	24.1	7.3	7.3	7.0	16.1	16.4	15.4	17.5	17.3	15.0	47
(*)	6.6	6.7	(*)	32.6	32.4	(*)	4.8	4.8	(*)	19.4	19.7	(*)	29.0	28.3	48
(*)	19.8	20.1	(*)	71.9	68.6	(*)	14.9	14.6	(*)	45.3	44.8	(*)	51.1	49.0	49
(*)	13.2	13.1	(*)	48.2	47.1	(*)	14.7	13.8	(*)	36.3	35.9	(*)	34.5	33.4	50
253.2	254.9	253.0	879.4	922.1	856.0	193.3	193.0	186.0	583.0	586.9	574.3	669.8	672.2	659.2	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
3.7	3.8	3.3	24.1	24.4	22.3	5.7	5.8	5.6	15.5	15.8	15.4	48.3	47.9	45.4	53
8.8	9.1	8.6	21.3	22.4	21.1	3.8	3.9	3.8	15.6	15.7	15.6	13.3	13.3	13.2	54
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

76

## B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970
	<b>TEXAS (continued)</b>												
1	Dallas <sup>1</sup>	647.7	656.7	657.5	7.7	7.7	7.7	36.8	36.9	35.9	141.4	142.9	169.1
2	El Paso <sup>1</sup>	103.2	104.6	103.0	-	-	-	5.1	5.4	5.8	23.4	23.5	21.9
3	Fort Worth <sup>1</sup>	262.4	267.5	272.1	1.7	1.7	1.8	11.4	11.6	11.0	81.1	83.1	94.8
4	Galveston-Texas City	-	-	-	-	-	-	-	-	-	11.5	11.4	11.5
5	Houston <sup>1</sup>	778.5	788.7	754.4	29.5	29.4	27.9	66.8	68.2	66.7	145.5	146.0	147.7
6	Lubbock <sup>1</sup>	-	-	-	-	-	-	-	-	-	7.1	7.2	7.5
7	San Antonio <sup>1</sup>	257.4	259.1	259.1	1.3	1.3	1.6	12.4	12.4	12.5	33.1	33.2	35.2
8	Waco <sup>1</sup>	-	-	-	-	-	-	-	-	-	11.2	11.4	12.8
9	Wichita Falls <sup>1</sup>	-	-	-	-	-	-	-	-	-	4.4	4.4	4.6
10	<b>UTAH</b>	354.8	364.3	348.3	12.8	12.8	12.4	11.9	13.9	11.3	53.9	55.1	53.2
11	Salt Lake City	188.7	192.9	185.0	7.5	7.6	7.6	7.3	8.1	6.7	28.7	29.0	29.1
12	<b>VERMONT</b>	145.0	147.1	145.3	.9	1.0	1.0	8.0	9.4	8.2	37.7	38.3	42.4
13	Burlington <sup>10</sup>	37.1	38.8	36.3	-	-	-	-	-	-	10.0	10.1	10.3
14	Springfield <sup>10</sup>	12.1	12.4	13.8	-	-	-	-	-	-	5.1	5.4	6.8
15	<b>VIRGINIA<sup>4</sup></b>	1,454.4	1,486.9	1,430.2	16.0	16.0	14.6	86.3	93.3	83.3	358.2	363.6	365.4
16	Lynchburg <sup>1</sup>	52.9	54.1	52.3	(2)	(2)	(2)	2.4	2.7	2.5	24.4	24.5	25.0
17	Newport News-Hampton <sup>1</sup>	94.5	95.8	95.1	(2)	(2)	(2)	4.9	5.2	4.4	24.5	24.6	26.6
18	Norfolk-Portsmouth <sup>1</sup>	197.9	200.6	194.8	(2)	(2)	(2)	13.6	13.7	12.8	19.2	19.6	19.3
19	Northern Virginia	270.2	276.3	252.4	.4	.4	.4	18.3	20.1	18.1	8.8	8.9	9.4
20	Richmond <sup>1</sup>	237.8	242.7	235.4	.2	.2	.2	14.0	15.1	13.9	50.3	51.3	52.3
21	Roanoke <sup>1</sup>	82.3	83.9	78.6	.1	.1	.1	4.2	4.9	4.1	19.6	19.8	17.8
22	<b>WASHINGTON</b>	1,034.4	1,066.9	1,089.8	1.6	1.6	1.5	42.2	49.1	47.8	213.5	218.7	260.5
23	Seattle-Everett	489.6	503.0	541.7	(2)	(2)	(2)	19.4	21.5	24.4	111.8	113.8	152.2
24	Spokane	88.7	91.3	88.0	(2)	(2)	(2)	5.0	5.1	3.9	11.6	11.7	12.8
25	Tacoma	104.7	106.8	105.8	(2)	(2)	(2)	4.3	4.6	5.3	19.9	19.8	19.8
26	<b>WEST VIRGINIA</b>	(*)	517.3	507.7	(*)	50.1	47.6	(*)	24.4	22.2	(*)	123.4	128.9
27	Charleston	(*)	81.5	80.5	(*)	4.1	3.8	(*)	3.6	3.3	(*)	16.8	17.1
28	Huntington-Ashland	(*)	82.5	80.6	(*)	.5	.5	(*)	3.2	2.9	(*)	26.6	26.5
29	Wheeling	(*)	59.4	57.6	(*)	5.4	4.7	(*)	3.2	3.1	(*)	15.5	15.5
30	<b>WISCONSIN<sup>1</sup></b>	1,506.1	1,544.8	1,517.3	1.8	2.5	1.9	53.0	59.8	55.4	476.5	482.6	514.0
31	Green Bay <sup>1</sup>	54.2	55.5	53.4	(2)	(2)	(2)	2.2	2.4	2.3	16.4	16.6	16.6
32	Kenosha	36.0	36.9	35.0	(2)	(2)	(2)	1.0	1.2	1.1	16.2	16.6	15.9
33	La Crosse <sup>1</sup>	29.8	29.9	29.6	(2)	(2)	(2)	.9	.9	1.1	8.0	7.7	8.4
34	Madison <sup>1</sup>	121.7	125.6	120.1	(2)	(2)	(2)	5.7	6.3	5.6	16.0	16.1	16.8
35	Milwaukee <sup>1</sup>	561.6	574.8	570.6	(2)	(2)	(2)	17.3	19.0	19.8	195.9	198.3	212.3
36	Racine <sup>1</sup>	53.5	54.3	56.6	(2)	(2)	(2)	1.6	1.6	1.6	22.9	23.2	26.8
37	<b>WYOMING</b>	102.7	106.5	102.1	10.9	11.0	11.5	5.6	6.2	4.9	6.8	7.2	7.3
38	Casper	18.2	18.7	18.9	3.1	3.2	3.4	.9	1.0	1.0	1.6	1.7	1.5
39	Cheyenne	18.0	18.5	17.4	(2)	(2)	(2)	.7	.8	.7	1.2	1.2	1.0

<sup>1</sup> Revised to 1970 benchmark; not strictly comparable with previously published data.

<sup>2</sup> Combined with services.

<sup>3</sup> Combined with construction.

<sup>4</sup> Federal employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in data for the District of Columbia.

<sup>5</sup> Area included in Chicago-Northwestern Indiana Standard Consolidated Area.

<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

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

<sup>11</sup> Subarea of Washington, D. C. Standard Metropolitan Statistical Area.

\* Not available.

p = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	
52.0	52.2	52.0	174.2	181.4	170.4	54.9	54.7	52.5	105.5	105.5	100.4	75.2	75.4	69.5	1
8.5	8.6	8.6	25.4	25.9	25.6	4.4	4.4	4.6	14.3	14.5	14.0	22.1	22.3	22.5	2
15.4	15.5	15.2	62.6	65.1	61.3	12.6	12.6	12.6	40.9	41.2	40.1	36.7	36.7	35.3	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
63.1	63.8	62.1	190.3	201.4	183.8	42.5	42.0	39.7	143.8	141.7	136.3	97.0	96.2	90.2	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.2	11.3	11.5	61.9	62.8	62.4	16.6	16.7	16.0	43.8	44.3	43.7	77.1	77.1	76.2	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.2	23.3	22.8	77.9	83.7	76.5	15.3	15.4	14.5	58.2	58.9	56.5	101.7	101.0	101.1	10
15.7	15.8	15.1	49.7	52.7	48.8	11.4	11.4	11.1	32.2	32.2	31.1	36.1	36.1	35.5	11
8.2	8.2	7.8	27.8	29.3	26.8	5.8	5.7	5.4	30.4	28.6	28.4	26.3	26.8	25.5	12
2.0	2.0	1.9	7.3	8.1	7.0	-	-	-	7.2	7.3	6.7	-	-	-	13
.7	.8	.8	2.0	2.0	2.0	-	-	-	2.1	1.9	2.0	-	-	-	14
97.1	97.3	94.8	303.0	322.2	296.2	67.5	67.8	64.9	219.3	220.1	212.6	307.0	306.6	298.4	15
2.6	2.6	2.4	8.9	9.5	8.3	2.1	2.2	2.0	6.7	6.8	6.4	5.8	5.8	5.7	16
4.2	4.2	3.9	16.1	16.9	15.7	2.8	2.8	2.9	12.9	12.9	12.3	29.1	29.1	29.3	17
16.1	16.1	15.9	47.4	49.7	46.8	9.6	9.6	9.2	31.1	31.0	29.9	60.9	60.9	60.9	18
21.1	21.3	19.8	62.0	65.3	59.9	15.5	15.5	14.6	48.8	48.9	47.6	95.3	95.3	82.6	19
18.5	18.4	17.9	53.4	56.4	53.2	18.6	18.9	18.1	35.6	35.5	34.8	47.2	46.9	45.0	20
11.0	11.0	10.9	19.0	19.8	18.8	4.0	4.0	4.1	13.9	13.8	12.8	10.5	10.5	10.0	21
70.8	71.2	72.7	230.8	249.9	239.2	56.8	57.0	58.2	166.1	168.7	167.1	252.6	250.7	242.8	22
37.5	37.7	39.7	111.2	119.8	118.2	34.7	35.0	35.3	78.9	80.0	81.1	96.1	95.2	90.8	23
7.2	7.3	7.4	22.4	24.4	22.7	5.3	5.3	5.1	18.7	18.9	18.3	18.5	18.6	17.8	24
6.6	6.5	6.6	22.2	23.8	22.9	6.2	6.2	6.0	18.8	18.9	18.4	25.7	27.0	26.8	25
(*)	41.8	40.9	(*)	99.1	92.7	(*)	15.6	15.1	(*)	64.5	63.6	(*)	98.4	96.7	26
(*)	8.9	8.8	(*)	19.9	18.5	(*)	4.1	3.9	(*)	11.6	11.3	(*)	12.5	13.8	27
(*)	8.2	8.0	(*)	18.6	17.7	(*)	2.9	2.8	(*)	9.9	9.9	(*)	12.5	12.3	28
(*)	3.8	3.7	(*)	13.2	12.5	(*)	2.2	2.1	(*)	9.1	8.9	(*)	7.1	7.1	29
80.3	82.0	79.2	330.8	350.9	322.3	61.2	61.5	59.3	232.2	233.9	222.8	270.3	271.5	262.3	30
4.6	4.6	4.4	13.5	14.5	13.6	1.4	1.5	1.4	8.3	8.4	8.0	7.6	7.6	7.1	31
1.2	1.2	1.3	6.8	7.0	6.4	.7	.7	.7	5.1	5.2	5.0	4.9	4.9	4.6	32
2.2	2.1	2.2	7.5	7.9	7.1	.6	.6	.6	6.0	6.0	5.6	4.8	4.7	4.6	33
5.7	5.8	5.4	24.9	27.4	23.8	6.3	6.3	6.1	18.3	18.6	17.0	44.9	45.0	45.4	34
30.9	32.0	30.4	123.7	129.9	121.1	29.0	29.1	23.0	90.8	92.5	87.7	73.9	74.1	71.2	35
2.0	2.0	2.2	10.0	10.6	9.6	1.4	1.5	1.4	7.9	7.9	7.8	7.6	7.4	7.3	36
10.5	10.6	10.7	20.7	22.1	21.9	3.9	3.9	3.7	15.0	15.4	14.2	29.3	30.1	27.9	37
1.3	1.4	1.5	4.5	4.6	4.6	.8	.8	.8	2.3	2.3	2.4	3.7	3.7	3.7	38
2.3	2.3	2.5	4.1	4.4	3.7	1.0	1.0	.9	3.1	3.2	3.1	5.6	5.7	5.5	39

# ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

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

Year and month	Average			Average			Average			Average		
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings
	Total private <sup>1</sup>			Mining			Contract construction			Manufacturing		
1947.....	\$45.58	40.3	\$1.131	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$49.17	40.4	\$1.217
1948.....	49.00	40.0	1.225	65.56	39.4	1.664	65.27	38.1	1.713	53.12	40.0	1.328
1949.....	50.24	39.4	1.275	62.33	36.3	1.717	67.56	37.7	1.792	53.88	39.1	1.378
1950.....	53.13	39.8	1.335	67.16	37.9	1.772	69.68	37.4	1.863	58.32	40.5	1.440
1951.....	57.86	39.9	1.45	74.11	38.4	1.93	76.96	38.1	2.02	63.34	40.6	1.56
1952.....	60.65	39.9	1.52	77.59	38.6	2.01	82.86	38.9	2.13	67.16	40.7	1.65
1953.....	63.76	39.6	1.61	83.03	38.8	2.14	86.41	37.9	2.28	70.47	40.5	1.74
1954.....	64.52	39.1	1.65	82.60	38.6	2.14	88.91	37.2	2.39	70.49	39.6	1.78
1955.....	67.72	39.6	1.71	89.54	40.7	2.20	90.90	37.1	2.45	75.70	40.7	1.86
1956.....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95
1957.....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11
1959 <sup>2</sup> .....	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19
1960.....	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32
1962.....	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53
1965.....	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.93	37.4	4.41	122.51	40.7	3.01
1969.....	114.61	37.7	3.04	154.80	43.0	3.60	181.16	37.9	4.78	129.51	40.6	3.19
1970.....	120.16	37.2	3.23	163.97	42.7	3.84	195.23	37.4	5.22	133.73	39.8	3.36
1970: February.....	116.55	37.0	3.15	160.60	42.6	3.77	186.21	36.8	5.06	130.94	39.8	3.29
March.....	117.92	37.2	3.17	160.27	42.4	3.78	188.23	37.2	5.06	132.40	40.0	3.31
April.....	117.34	36.9	3.18	163.35	43.1	3.79	192.91	37.9	5.09	131.80	39.7	3.32
May.....	118.40	37.0	3.20	162.26	42.7	3.80	194.31	38.1	5.10	132.93	39.8	3.34
June.....	120.05	37.4	3.21	163.88	42.9	3.82	196.99	38.4	5.13	134.40	40.0	3.36
July.....	121.45	37.6	3.23	163.88	42.9	3.82	200.20	38.5	5.20	134.46	39.9	3.37
August.....	122.20	37.6	3.25	163.97	42.7	3.84	204.05	38.5	5.30	134.13	39.8	3.37
September.....	121.73	37.0	3.29	164.55	42.3	3.89	194.03	36.2	5.36	135.43	39.6	3.42
October.....	121.36	37.0	3.28	168.56	43.0	3.92	203.79	37.6	5.42	133.45	39.6	3.37
November.....	121.07	36.8	3.29	168.70	42.6	3.96	196.57	36.2	5.43	134.58	39.7	3.39
December.....	122.43	37.1	3.30	170.25	43.1	3.95	203.08	37.4	5.43	138.45	39.9	3.47
1971: January.....	122.21	36.7	3.33	169.20	42.3	4.00	198.38	36.2	5.48	138.60	39.6	3.50
February.....	122.24	36.6	3.34	165.59	41.5	3.99	195.61	35.5	5.51	137.94	39.3	3.51
Year and month	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services		
1947.....	-	-	-	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140	-	-	-
1948.....	-	-	-	40.80	40.4	1.010	45.48	37.9	1.200	-	-	-
1949.....	-	-	-	42.93	40.5	1.060	47.63	37.8	1.260	-	-	-
1950.....	-	-	-	44.55	40.5	1.00	50.52	37.7	1.340	-	-	-
1951.....	-	-	-	47.79	40.5	1.18	54.67	37.7	1.45	-	-	-
1952.....	-	-	-	49.20	40.0	1.23	57.08	37.8	1.51	-	-	-
1953.....	-	-	-	51.35	39.5	1.30	59.57	37.7	1.58	-	-	-
1954.....	-	-	-	53.33	39.5	1.35	62.04	37.6	1.65	-	-	-
1955.....	-	-	-	55.16	39.4	1.40	63.92	37.6	1.70	-	-	-
1956.....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-
1957.....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-
1959 <sup>2</sup> .....	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-
1960.....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-
1964.....	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94
1965.....	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05
1966.....	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17
1967.....	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29
1968.....	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	84.32	34.7	2.43
1969.....	147.74	40.7	3.63	91.14	35.6	2.56	108.33	37.1	2.92	91.26	34.7	2.63
1970.....	155.93	40.5	3.85	95.66	35.3	2.71	112.98	36.8	3.07	97.98	34.5	2.84
1970: February.....	151.88	40.5	3.75	93.80	35.0	2.68	112.48	37.0	3.04	95.01	34.3	2.77
March.....	150.75	40.2	3.75	93.80	35.0	2.68	112.85	37.0	3.05	96.81	34.7	2.79
April.....	149.25	39.8	3.75	93.88	34.9	2.69	111.81	36.9	3.03	95.70	34.3	2.79
May.....	153.12	40.4	3.79	94.50	35.0	2.70	111.57	36.7	3.04	96.04	34.3	2.80
June.....	156.29	40.7	3.84	96.12	35.6	2.70	111.57	36.7	3.04	96.95	34.5	2.81
July.....	159.06	41.1	3.87	98.10	36.2	2.71	112.61	36.8	3.06	98.77	34.9	2.83
August.....	159.51	40.9	3.90	98.74	36.3	2.72	113.65	36.9	3.08	99.75	35.0	2.85
September.....	159.95	40.7	3.93	97.08	35.3	2.75	113.09	36.6	3.09	99.76	34.4	2.90
October.....	159.96	40.6	3.94	96.88	35.1	2.76	114.82	36.8	3.12	99.81	34.3	2.91
November.....	159.58	40.4	3.95	96.95	35.0	2.77	115.55	36.8	3.14	100.84	34.3	2.94
December.....	158.40	39.9	3.97	97.08	35.3	2.75	115.61	36.7	3.15	101.48	34.4	2.95
1971: January.....	160.80	40.1	4.01	97.44	34.8	2.80	116.71	36.7	3.18	101.92	34.2	2.98
February.....	161.20	40.0	4.03	97.79	34.8	2.81	117.81	36.7	3.21	101.96	34.1	2.99

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

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

p= preliminary

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
	<b>TOTAL PRIVATE</b> .....	\$122.24	\$122.21	\$122.43	\$116.12	\$120.16	\$3.34	\$3.33	\$3.30	\$3.13	\$3.23
	<b>MINING</b> .....	165.59	169.20	170.25	159.05	163.97	3.99	4.00	3.95	3.76	3.84
10	METAL MINING .....	-	164.64	169.42	160.50	165.68	-	3.92	3.94	3.75	3.88
101	Iron ores .....	-	160.31	161.09	159.74	162.99	-	3.91	3.91	3.84	3.89
102	Copper ores .....	-	172.18	179.10	167.93	175.67	-	3.94	3.98	3.74	3.93
11,12	COAL MINING .....	-	200.22	197.00	179.42	183.96	-	4.79	4.77	4.43	4.52
12	Bituminous coal and lignite mining .....	-	202.80	199.55	181.04	186.46	-	4.84	4.82	4.47	4.57
13	OIL AND GAS EXTRACTION .....	-	156.71	158.04	153.99	153.87	-	3.67	3.60	3.54	3.57
131,2	Crude petroleum and natural gas fields .....	-	168.10	159.90	156.08	155.88	-	4.08	3.90	3.77	3.83
138	Oil and gas field services .....	-	148.92	156.98	152.32	152.32	-	3.40	3.42	3.40	3.40
14	NONMETALLIC MINERALS, EXCEPT FUELS .....	-	148.47	155.23	140.95	155.56	-	3.51	3.52	3.34	3.48
142	Crushed and broken stone .....	-	146.83	154.81	135.78	155.60	-	3.36	3.41	3.21	3.39
	<b>CONTRACT CONSTRUCTION</b> .....	195.61	198.38	203.08	181.00	195.23	5.51	5.48	5.43	5.07	5.22
15	GENERAL BUILDING CONTRACTORS .....	-	186.74	192.72	167.18	183.32	-	5.29	5.28	4.86	5.05
16	HEAVY CONSTRUCTION CONTRACTORS .....	-	188.37	195.37	178.94	197.14	-	4.88	4.86	4.60	4.82
161	Highway and street construction .....	-	165.06	176.96	151.03	184.46	-	4.39	4.48	4.06	4.51
162	Heavy construction, n.e.c. ....	-	200.97	208.28	195.11	207.87	-	5.14	5.13	4.89	5.07
17	SPECIAL TRADE CONTRACTORS .....	-	208.49	212.86	189.56	202.58	-	5.84	5.80	5.37	5.55
171	Plumbing, heating, air conditioning .....	-	226.26	225.59	210.43	214.51	-	5.97	5.89	5.48	5.66
172	Painting, paper hanging, decorating .....	-	178.99	183.57	171.50	179.04	-	5.28	5.26	5.00	5.13
173	Electrical work .....	-	244.14	247.73	230.87	235.80	-	6.26	6.24	5.83	6.00
174	Masonry, stonework, and plastering .....	-	175.40	188.72	152.36	178.82	-	5.64	5.60	5.20	5.37
176	Roofing and sheetmetal work .....	-	162.10	169.71	143.58	164.50	-	5.28	5.19	4.77	4.94
	<b>MANUFACTURING</b> .....	137.94	138.60	138.45	131.93	133.73	3.51	3.50	3.47	3.29	3.36
19,24,25,32-39	DURABLE GOODS .....	148.85	149.17	149.45	142.04	143.47	3.74	3.72	3.69	3.49	3.56
20-23,26-31	NONDURABLE GOODS .....	123.52	123.77	124.58	117.99	120.43	3.20	3.19	3.17	3.01	3.08
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES .....	151.40	156.46	154.54	144.73	146.57	3.72	3.77	3.76	3.53	3.61
192	Ammunition, except for small arms .....	(*)	153.59	151.29	139.73	141.95	(*)	3.71	3.69	3.45	3.54
1925	Complete guided missiles .....	-	183.18	186.62	175.11	175.98	-	4.31	4.32	4.13	4.18
1929	Ammunition, exc. for small arms, nec .....	-	133.90	127.91	122.36	123.24	-	3.29	3.23	3.09	3.16
24	LUMBER AND WOOD PRODUCTS .....	121.27	118.08	119.89	110.65	117.51	3.07	3.02	3.02	2.83	2.96
242	Sawmills and planing mills .....	(*)	112.62	112.61	105.65	112.46	(*)	2.91	2.88	2.73	2.84
2421	Sawmills and planing mills, general .....	-	115.89	115.53	109.24	116.03	-	3.01	2.97	2.83	2.93
243	Millwork, plywood & related products .....	125.12	127.12	128.72	119.20	125.20	3.20	3.21	3.21	3.01	3.13
2431	Millwork .....	-	123.38	123.63	117.00	120.74	-	3.18	3.17	3.00	3.08
2432	Veneer and plywood .....	-	129.92	131.52	119.69	128.02	-	3.20	3.20	2.97	3.13
244	Wooden containers .....	91.88	93.12	93.48	89.78	93.17	2.49	2.47	2.46	2.32	2.42
2441,2	Wooden boxes, shooks, and crates .....	-	88.88	90.15	87.46	90.86	-	2.37	2.36	2.26	2.36
249	Miscellaneous wood products .....	107.33	108.00	108.65	99.00	104.49	2.69	2.68	2.65	2.50	2.58
25	FURNITURE AND FIXTURES .....	110.19	109.70	114.33	105.42	108.58	2.84	2.82	2.83	2.71	2.77
251	Household furniture .....	103.98	103.98	108.81	97.92	101.79	2.68	2.68	2.68	2.55	2.61
2511	Wood household furniture .....	-	100.00	103.00	93.60	96.14	-	2.50	2.50	2.40	2.44
2512	Upholstered household furniture .....	-	107.71	118.03	103.30	107.52	-	2.88	2.90	2.74	2.80
2515	Mattresses and bedsprings .....	-	115.71	117.09	105.74	110.97	-	2.99	2.92	2.79	2.86
252	Office furniture .....	-	128.55	129.44	125.46	123.86	-	3.23	3.22	3.06	3.12
254	Partitions and fixtures .....	-	132.16	135.38	130.54	134.13	-	3.38	3.41	3.28	3.37
253,9	Other furniture and fixtures .....	115.90	117.73	122.09	114.73	117.32	3.05	3.05	3.06	2.89	2.97
32	STONE, CLAY, AND GLASS PRODUCTS .....	143.37	141.86	144.96	134.15	140.42	3.54	3.52	3.51	3.28	3.40
321	Flat glass .....	-	184.38	183.18	180.99	182.33	-	4.39	4.26	4.18	4.26
322	Glass and glassware, pressed or blown .....	(*)	149.14	149.33	137.35	140.19	(*)	3.71	3.66	3.35	3.47
3221	Glass containers .....	-	156.72	157.32	142.27	145.25	-	3.86	3.80	3.42	3.56
3229	Pressed and blown glass, n.e.c. ....	-	138.20	137.66	130.65	132.87	-	3.49	3.45	3.25	3.33
324	Cement, hydraulic .....	179.22	178.40	180.94	166.00	176.81	4.35	4.33	4.36	4.00	4.23
325	Structural clay products .....	115.71	114.44	115.66	108.08	113.48	2.90	2.89	2.87	2.75	2.83
3251	Brick and structural clay tile .....	-	106.66	110.68	100.36	107.46	-	2.68	2.68	2.58	2.66
326	Pottery and related products .....	-	121.34	121.52	114.94	117.26	-	3.16	3.10	2.97	3.03
327	Concrete, gypsum, and plaster products .....	142.61	142.51	151.23	131.45	146.80	3.53	3.51	3.55	3.27	3.43
328,9	Other stone and nonmetallic mineral products .....	142.74	140.48	142.96	136.21	138.92	3.49	3.46	3.47	3.29	3.38
3291	Abrasive products .....	-	132.04	133.48	136.62	132.55	-	3.54	3.55	3.39	3.47

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				
		Feb. p 1971	Jan. p 1971	Dec. 1970	Jan. 1970	Avg. 1970	Feb. p 1971	Jan. p 1971	Dec. 1970	Jan. 1970	Avg. 1970
-	<b>TOTAL PRIVATE</b> . . . . .	36.6	36.7	37.1	37.1	37.2	-	-	-	-	-
-	<b>MINING</b> . . . . .	41.5	42.3	43.1	42.3	42.7	-	-	-	-	-
10	METAL MINING . . . . .	-	42.0	43.0	42.8	42.7	-	-	-	-	-
101	Iron ores . . . . .	-	41.0	41.2	41.6	41.9	-	-	-	-	-
102	Copper ores . . . . .	-	43.7	45.0	44.9	44.7	-	-	-	-	-
11,12	COAL MINING . . . . .	-	41.8	41.3	40.5	40.7	-	-	-	-	-
12	Bituminous coal and lignite mining . . . . .	-	41.9	41.4	40.5	40.8	-	-	-	-	-
13	OIL AND GAS EXTRACTION . . . . .	-	42.7	43.9	43.5	43.1	-	-	-	-	-
131,2	Crude petroleum and natural gas fields . . . . .	-	41.2	41.0	41.4	40.7	-	-	-	-	-
138	Oil and gas field services . . . . .	-	43.8	45.9	44.8	44.8	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS . . . . .	-	42.3	44.1	42.2	44.7	-	-	-	-	-
142	Crushed and broken stone . . . . .	-	43.7	45.4	42.3	45.9	-	-	-	-	-
-	<b>CONTRACT CONSTRUCTION</b> . . . . .	35.5	36.2	37.4	35.7	37.4	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS . . . . .	-	35.3	36.5	34.4	36.3	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS . . . . .	-	38.6	40.2	38.9	40.9	-	-	-	-	-
161	Highway and street construction . . . . .	-	37.6	39.5	37.2	40.9	-	-	-	-	-
162	Heavy construction, n.e.c. . . . .	-	39.1	40.6	39.9	41.0	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS . . . . .	-	35.7	36.7	35.3	36.5	-	-	-	-	-
171	Plumbing, heating, air conditioning . . . . .	-	37.9	38.3	38.4	37.9	-	-	-	-	-
172	Painting, paper hanging, decorating . . . . .	-	33.9	34.9	34.3	34.9	-	-	-	-	-
173	Electrical work . . . . .	-	39.0	39.7	39.6	39.3	-	-	-	-	-
174	Masonry, stonework, and plastering . . . . .	-	31.1	33.7	29.3	33.3	-	-	-	-	-
176	Roofing and sheet metal work . . . . .	-	30.7	32.7	30.1	33.3	-	-	-	-	-
-	<b>MANUFACTURING</b> . . . . .	39.3	39.6	39.9	40.1	39.8	2.6	2.6	2.8	3.2	3.0
19,24,25, 32-39	<b>DURABLE GOODS</b> . . . . .	39.8	40.1	40.5	40.7	40.3	2.5	2.6	2.7	3.3	2.9
20-23,26-31	<b>NONDURABLE GOODS</b> . . . . .	38.6	38.8	39.3	39.2	39.1	2.6	2.7	3.0	3.1	3.0
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> . . . . .	40.7	41.5	41.1	41.0	40.6	-	2.5	2.2	2.5	2.2
192	Ammunition, except for small arms . . . . .	(*)	41.4	41.0	40.5	40.1	-	2.5	2.3	2.2	1.8
1925	Complete guided missiles . . . . .	-	42.5	43.2	42.4	42.1	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec . . . . .	-	40.7	39.6	39.6	39.0	-	-	-	-	-
24	<b>LUMBER AND WOOD PRODUCTS</b> . . . . .	39.5	39.1	39.7	39.1	39.7	-	2.9	3.2	3.2	3.3
242	Sawmills and planing mills . . . . .	(*)	38.7	39.1	38.7	39.6	-	3.1	3.4	3.3	3.6
2421	Sawmills and planing mills, general . . . . .	-	38.5	38.9	38.6	39.6	-	-	-	-	-
243	Millwork, plywood & related products . . . . .	39.1	39.6	40.1	39.6	40.0	-	2.8	2.9	2.9	3.1
2431	Millwork . . . . .	-	38.8	39.0	39.0	39.2	-	-	-	-	-
2432	Veneer and plywood . . . . .	-	40.6	41.1	40.3	40.9	-	-	-	-	-
244	Wooden containers . . . . .	36.9	37.7	38.0	38.7	38.5	-	1.6	2.2	3.1	2.6
2441,2	Wooden boxes, shooks, and crates . . . . .	-	37.5	38.2	38.7	38.5	-	-	-	-	-
249	Miscellaneous wood products . . . . .	39.9	40.3	41.0	39.6	40.5	-	3.1	3.2	3.2	3.3
25	<b>FURNITURE AND FIXTURES</b> . . . . .	38.8	38.9	40.4	38.9	39.2	-	2.1	2.7	2.5	2.3
251	Household furniture . . . . .	38.8	38.8	40.6	38.4	39.0	-	2.2	2.8	2.3	2.2
2511	Wood household furniture . . . . .	-	40.0	41.2	39.0	39.4	-	-	-	-	-
2512	Upholstered household furniture . . . . .	-	37.4	40.7	37.7	38.4	-	-	-	-	-
2515	Mattresses and bedsprings . . . . .	-	38.7	40.1	37.9	38.8	-	-	-	-	-
252	Office furniture . . . . .	-	39.8	40.2	41.0	39.7	-	2.4	2.4	3.7	2.8
254	Partitions and fixtures . . . . .	-	39.1	39.7	39.8	39.8	-	1.7	1.7	2.9	2.6
253,9	Other furniture and fixtures . . . . .	38.0	38.6	39.9	39.7	39.5	-	1.6	2.6	2.7	2.4
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> . . . . .	40.5	40.3	41.3	40.9	41.3	-	3.6	4.0	4.0	4.2
321	Flat glass . . . . .	-	42.0	43.0	43.3	42.8	-	4.0	3.9	3.5	4.4
322	Glass and glassware, pressed or blown . . . . .	(*)	40.2	40.8	41.0	40.4	-	4.0	4.3	4.3	4.3
3221	Glass containers . . . . .	-	40.6	41.4	41.6	40.8	-	-	-	-	-
3229	Pressed and blown glass, n.e.c. . . . .	-	39.6	39.9	40.2	39.9	-	-	-	-	-
324	Cement, hydraulic . . . . .	41.2	41.2	41.5	41.5	41.8	-	2.8	2.7	3.0	3.1
325	Structural clay products . . . . .	39.9	39.6	40.3	39.3	40.1	-	2.8	3.2	3.2	3.4
3251	Brick and structural clay tile . . . . .	-	39.8	41.3	38.9	40.4	-	-	-	-	-
326	Pottery and related products . . . . .	-	38.4	39.2	38.7	38.7	-	1.8	2.0	2.5	2.1
327	Concrete, gypsum and plaster products . . . . .	40.4	40.6	42.6	40.2	42.8	-	4.6	5.4	4.8	5.8
328,9	Other stone and nonmetallic mineral products . . . . .	40.9	40.6	41.2	41.4	41.1	-	3.2	3.4	4.0	3.6
3291	Abrasive products . . . . .	-	37.3	37.6	40.3	38.2	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
	<i>Durable Goods--Continued</i>										
33	<b>PRIMARY METAL INDUSTRIES</b> .....	\$166.87	\$165.24	\$161.60	\$159.42	\$159.18	\$4.10	\$4.08	\$4.05	\$3.86	\$3.94
331	Blast furnace and basic steel products ..	(*)	173.75	165.71	166.06	166.40	(*)	4.29	4.26	4.07	4.16
3312	Blast furnaces and steel mills .....	-	175.74	167.57	168.09	168.38	-	4.35	4.33	4.13	4.22
332	Iron and steel foundries .....	(*)	156.41	157.14	154.24	151.44	(*)	3.93	3.88	3.69	3.73
3321	Gray iron foundries .....	-	158.00	156.75	153.04	149.51	-	3.95	3.88	3.67	3.71
3322	Malleable iron foundries .....	-	168.30	172.94	168.08	165.95	-	4.25	4.27	4.14	4.18
3323	Steel foundries .....	-	147.71	151.40	152.44	150.65	-	3.73	3.72	3.57	3.63
333,4	Nonferrous metals .....	159.74	160.16	169.90	154.66	157.63	3.84	3.85	3.84	3.70	3.78
3334	Primary aluminum .....	-	168.91	171.81	165.21	167.69	-	4.14	4.16	4.01	4.09
335	Nonferrous rolling and drawing .....	154.69	157.35	156.56	153.97	152.35	3.81	3.81	3.80	3.64	3.68
3351	Copper rolling and drawing .....	-	157.44	153.54	157.25	149.85	-	3.84	3.81	3.70	3.70
3352	Aluminum rolling and drawing .....	-	159.74	160.93	156.09	154.84	-	3.84	3.85	3.69	3.74
3357	Nonferrous wire drawing and insulating ..	-	156.08	156.00	151.43	151.68	-	3.77	3.75	3.58	3.62
336	Nonferrous foundries .....	142.56	142.27	142.44	138.11	138.55	3.60	3.62	3.57	3.41	3.49
3361	Aluminum castings .....	-	143.81	143.32	140.19	139.39	-	3.65	3.61	3.47	3.52
3362,9	Other nonferrous castings .....	-	139.94	141.55	135.60	137.66	-	3.57	3.53	3.34	3.45
339	Miscellaneous primary metal products ...	(*)	174.90	176.64	169.72	167.66	(*)	4.34	4.34	4.07	4.15
3391	Iron and steel forgings .....	-	180.35	182.66	174.26	172.40	-	4.52	4.51	4.24	4.31
34	<b>FABRICATED METAL PRODUCTS</b> .....	145.30	147.17	147.78	141.45	143.67	3.66	3.67	3.64	3.45	3.53
341	Metal cans .....	(*)	180.71	176.08	169.22	173.17	(*)	4.07	4.02	3.89	3.99
342	Cutlery, hand tools, and hardware .....	140.18	141.25	142.86	133.98	133.53	3.54	3.54	3.51	3.30	3.33
3421,3,5	Cutlery and hand tools, incl. saws .....	-	135.26	135.88	130.90	131.20	-	3.39	3.38	3.24	3.28
3429	Hardware, n e c .....	-	146.00	147.96	135.94	135.07	-	3.65	3.60	3.34	3.36
343	Plumbing and heating, except electric ...	131.82	132.94	133.79	126.72	129.56	3.38	3.40	3.37	3.20	3.28
3431,2	Sanitary ware & plumbers' brass goods ..	-	134.55	134.30	129.96	130.14	-	3.45	3.40	3.29	3.32
3433	Heating equipment, except electric .....	-	131.66	133.67	123.86	128.95	-	3.35	3.35	3.12	3.24
344	Fabricated structural metal products .....	144.11	144.47	147.02	139.32	142.97	3.63	3.63	3.63	3.44	3.53
3441	Fabricated structural steel .....	-	147.78	151.06	138.79	145.08	-	3.64	3.64	3.41	3.53
3442	Metal doors, sash, and trim .....	-	120.14	121.06	116.96	118.65	-	3.17	3.12	3.03	3.05
3443	Fabricated plate work (boiler shops) ..	-	153.03	158.08	150.54	153.22	-	3.76	3.80	3.61	3.71
3444	Sheet metal work .....	-	151.31	152.86	146.65	148.45	-	3.86	3.86	3.63	3.73
3446,9	Architectural and misc. metal work ...	-	135.76	138.73	130.73	135.60	-	3.49	3.53	3.26	3.39
345	Screw machine products, bolts, etc. ....	141.84	143.24	144.27	144.48	142.39	3.60	3.59	3.58	3.44	3.49
3451	Screw machine products .....	-	145.08	146.11	139.11	139.66	-	3.60	3.59	3.36	3.44
3452	Bolts, nuts, rivets, and washers .....	-	141.81	142.84	149.53	144.79	-	3.59	3.58	3.51	3.54
346	Metal stampings .....	161.60	165.24	161.15	158.80	160.93	4.04	4.08	3.94	3.79	3.85
347	Metal services, n e c .....	126.81	126.94	127.66	121.75	124.11	3.26	3.28	3.24	3.09	3.15
348	Misc. fabricated wire products .....	128.84	129.82	129.68	126.27	126.88	3.27	3.27	3.25	3.11	3.18
349	Misc. fabricated metal products .....	(*)	144.80	146.21	139.59	140.19	(*)	3.62	3.61	3.38	3.47
3494,8	Valves, pipe, and pipe fittings .....	-	150.66	152.56	142.69	144.13	-	3.72	3.73	3.43	3.55
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	150.60	156.36	157.49	156.14	154.95	3.89	3.88	3.86	3.70	3.77
351	Engines and turbines .....	(*)	178.02	175.46	165.53	169.73	(*)	4.30	4.29	3.96	4.16
3511	Steam engines and turbines .....	-	187.09	193.80	165.36	181.36	-	4.53	4.56	3.90	4.37
3519	Internal combustion engines, n e c .....	-	174.72	168.86	165.57	164.84	-	4.21	4.19	3.98	4.07
352	Farm machinery .....	-	146.25	149.67	146.65	147.66	-	3.75	3.77	3.63	3.71
353	Construction and related machinery .....	157.57	157.92	158.21	154.19	153.71	3.91	3.88	3.84	3.68	3.74
3531,2	Construction and mining machinery .....	-	166.85	163.51	160.78	160.22	-	4.04	3.94	3.81	3.87
3533	Oil field machinery .....	-	151.42	154.40	144.32	146.78	-	3.64	3.65	3.42	3.52
3535,6	Conveyors, hoists, cranes, monorails ..	-	148.52	153.52	153.24	149.41	-	3.76	3.80	3.64	3.68
3537	Industrial trucks and tractors .....	-	131.73	136.73	135.77	132.78	-	3.57	3.57	3.42	3.44
354	Metal working machinery .....	(*)	168.90	170.57	180.78	173.85	(*)	4.16	4.15	4.09	4.11
3541	Machine tools, metal cutting types .....	-	162.39	161.60	169.38	166.00	-	4.07	4.03	3.93	4.00
3544	Special dies, tools, jigs & fixtures .....	-	189.00	189.03	209.23	196.68	-	4.50	4.49	4.49	4.47
3545	Machine tool accessories .....	-	153.27	152.49	156.24	153.92	-	3.94	3.90	3.72	3.81
3542,8	Misc. metal working machinery .....	-	152.40	157.77	157.19	154.88	-	3.81	3.82	3.69	3.75
355	Special industry machinery .....	145.64	147.86	149.65	146.28	146.26	3.65	3.66	3.65	3.45	3.55
3551	Food products machinery .....	-	149.69	155.39	152.87	151.98	-	3.78	3.79	3.58	3.68
3552	Textile machinery .....	-	126.23	129.15	121.47	124.95	-	3.14	3.15	2.97	3.07
3555	Printing trades machinery .....	-	162.38	161.85	156.16	154.98	-	3.98	3.90	3.64	3.78
356	General industrial machinery .....	153.65	150.14	154.37	153.77	151.84	3.88	3.83	3.84	3.67	3.74
3561	Pumps and compressors .....	-	147.36	156.53	151.01	151.16	-	3.74	3.79	3.57	3.66
3562	Ball and roller bearings .....	-	150.86	151.68	158.25	149.73	-	3.97	3.95	3.75	3.81
3564	Blowers and fans .....	-	143.32	144.90	138.94	140.90	-	3.53	3.50	3.34	3.42
3566	Power transmission equipment .....	-	152.86	155.96	153.67	154.13	-	3.86	3.87	3.65	3.75
357	Office and computing machines .....	153.23	154.00	157.80	152.82	152.11	3.85	3.85	3.83	3.63	3.71
3573	Electronic computing equipment .....	-	163.46	164.48	154.44	155.50	-	3.92	3.87	3.60	3.72
358	Service industry machines .....	140.18	140.18	140.80	131.08	134.92	3.54	3.54	3.52	3.31	3.39
3585	Refrigeration machinery .....	-	143.96	143.47	131.93	136.46	-	3.59	3.56	3.34	3.42
359	Misc. machinery, except electrical .....	153.92	155.32	156.00	152.64	151.84	3.81	3.77	3.75	3.60	3.65

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				
		Feb. 1971p	Jan. 1971p	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971p	Jan. 1971p	Dec. 1970	Jan. 1970	Avg. 1970
<i>Durable Goods--Continued</i>											
33	<b>PRIMARY METAL INDUSTRIES</b> . . . . .	40.7	40.5	39.9	41.3	40.4	-	2.6	2.4	3.6	3.0
331	Blast furnace and basic steel products . . . . .	(*)	40.5	38.9	40.8	40.0	-	2.0	1.5	2.7	2.3
3312	Blast furnaces and steel mills . . . . .	-	40.4	38.7	40.7	39.9	-	-	-	-	-
332	Iron and steel foundries . . . . .	(*)	39.8	40.5	41.8	40.6	-	3.3	3.3	4.8	3.9
3321	Gray iron foundries . . . . .	-	40.0	40.4	41.7	40.3	-	-	-	-	-
3322	Malleable iron foundries . . . . .	-	39.6	40.5	40.6	39.7	-	-	-	-	-
3323	Steel foundries . . . . .	-	39.6	40.7	42.7	41.5	-	-	-	-	-
333,4	Nonferrous metals . . . . .	41.6	41.6	41.9	41.8	41.7	-	3.8	3.7	4.5	4.3
3334	Primary aluminum . . . . .	-	40.8	41.3	41.2	41.0	-	-	-	-	-
335	Nonferrous rolling and drawing . . . . .	40.6	41.3	41.2	42.3	41.4	-	3.0	3.0	4.3	3.6
3351	Copper rolling and drawing . . . . .	-	41.0	40.3	42.5	40.5	-	-	-	-	-
3352	Aluminum rolling and drawing . . . . .	-	41.6	41.8	42.3	41.4	-	-	-	-	-
3357	Nonferrous wire drawing and insulating . . . . .	-	41.4	41.6	42.3	41.9	-	-	-	-	-
336	Nonferrous foundries . . . . .	39.6	39.3	39.9	40.5	39.7	-	2.2	2.2	3.0	2.5
3361	Aluminum castings . . . . .	-	39.4	39.7	40.4	39.6	-	-	-	-	-
3362,9	Other nonferrous castings . . . . .	-	39.2	40.1	40.6	39.9	-	-	-	-	-
339	Miscellaneous primary metal products . . . . .	(*)	40.3	40.7	41.7	40.4	-	3.2	3.4	4.1	3.4
3391	Iron and steel forgings . . . . .	-	39.9	40.5	41.1	40.0	-	-	-	-	-
34	<b>FABRICATED METAL PRODUCTS</b> . . . . .	39.7	40.1	40.6	41.0	40.7	-	2.7	2.8	3.6	3.3
341	Metal cans . . . . .	(*)	44.4	43.8	43.5	43.4	-	5.9	4.0	4.8	4.6
342	Cutlery, hand tools, and hardware . . . . .	39.6	39.9	40.7	40.6	40.1	-	2.1	2.4	2.9	2.5
3421,3,5	Cutlery and hand tools, incl. saws . . . . .	-	39.9	40.2	40.4	40.0	-	-	-	-	-
3429	Hardware, n e c . . . . .	-	40.0	41.1	40.7	40.2	-	-	-	-	-
343	Plumbing and heating, except electric . . . . .	39.0	39.1	39.7	39.6	39.5	-	2.0	2.1	2.7	2.3
3431,2	Sanitary ware & plumbers' brass goods . . . . .	-	39.0	39.5	39.5	39.2	-	-	-	-	-
3433	Heating equipment, except electric . . . . .	-	39.3	39.9	39.7	39.8	-	-	-	-	-
344	Fabricated structural metal products . . . . .	39.7	39.8	40.5	40.5	40.5	-	2.3	2.8	3.2	3.0
3441	Fabricated structural steel . . . . .	-	40.6	41.5	40.7	41.1	-	-	-	-	-
3442	Metal doors, sash, and trim . . . . .	-	37.9	38.8	38.6	38.9	-	-	-	-	-
3443	Fabricated plate work (boiler shops) . . . . .	-	40.7	41.6	41.7	41.3	-	-	-	-	-
3444	Sheet metal work . . . . .	-	39.2	39.6	40.4	39.8	-	-	-	-	-
3446,9	Architectural and misc. metal work . . . . .	-	38.9	39.3	40.1	40.0	-	-	-	-	-
345	Screw machine products, bolts, etc. . . . .	39.4	39.9	40.3	42.0	40.8	-	2.4	2.3	4.8	3.3
3451	Screw machine products . . . . .	-	40.3	40.7	41.4	40.6	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers . . . . .	-	39.5	39.9	42.6	40.9	-	-	-	-	-
346	Metal stampings . . . . .	40.0	40.5	40.9	41.9	41.8	-	3.0	2.9	3.9	4.1
347	Metal services, n e c . . . . .	38.9	38.7	39.4	39.4	39.4	-	3.3	3.6	4.3	3.9
348	Misc. fabricated wire products . . . . .	39.4	39.7	39.9	40.6	39.9	-	2.2	2.5	3.5	2.8
349	Misc. fabricated metal products . . . . .	(*)	40.0	40.5	41.3	40.4	-	2.1	2.7	3.5	2.9
3494,8	Valves, pipe, and pipe fittings . . . . .	-	40.5	40.9	41.6	40.6	-	-	-	-	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> . . . . .	40.0	40.3	40.8	42.2	41.1	-	2.4	2.7	4.2	3.2
351	Engines and turbines . . . . .	(*)	41.4	40.9	41.8	40.8	-	3.1	3.7	4.5	3.6
3511	Steam engines and turbines . . . . .	-	41.3	42.5	42.4	41.5	-	-	-	-	-
3519	Internal combustion engines, n e c . . . . .	-	41.5	40.3	41.6	40.5	-	-	-	-	-
352	Farm machinery . . . . .	-	39.0	39.7	40.4	39.8	-	2.1	2.0	2.7	2.3
353	Construction and related machinery . . . . .	40.3	40.7	41.2	41.9	41.1	-	2.5	2.5	4.0	3.0
3531,2	Construction and mining machinery . . . . .	-	41.3	41.5	42.2	41.4	-	-	-	-	-
3533	Oil field machinery . . . . .	-	41.6	42.3	42.2	41.7	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails . . . . .	-	39.5	40.4	42.1	40.6	-	-	-	-	-
3537	Industrial trucks and tractors . . . . .	-	36.9	38.3	39.7	38.6	-	-	-	-	-
354	Metal working machinery . . . . .	(*)	40.6	41.1	44.2	42.3	-	2.4	2.9	5.9	4.3
3541	Machine tools, metal cutting types . . . . .	-	39.9	40.1	43.1	41.5	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures . . . . .	-	42.0	42.1	46.6	44.0	-	-	-	-	-
3545	Machine tool accessories . . . . .	-	38.9	39.1	42.0	40.4	-	-	-	-	-
3542,8	Misc. metal working machinery . . . . .	-	40.0	41.3	42.6	41.3	-	-	-	-	-
355	Special industry machinery . . . . .	39.9	40.4	41.0	42.4	41.2	-	2.2	2.7	4.0	3.2
3551	Food products machinery . . . . .	-	39.6	41.0	42.7	41.3	-	-	-	-	-
3552	Textile machinery . . . . .	-	40.2	41.0	40.9	40.7	-	-	-	-	-
3555	Printing trades machinery . . . . .	-	40.8	41.5	42.9	41.0	-	-	-	-	-
356	General industrial machinery . . . . .	39.6	39.2	40.2	41.9	40.6	-	1.6	2.2	4.0	2.8
3561	Pumps and compressors . . . . .	-	39.4	41.3	42.3	41.3	-	-	-	-	-
3562	Ball and roller bearings . . . . .	-	38.0	38.4	42.2	39.3	-	-	-	-	-
3564	Blowers and fans . . . . .	-	40.6	41.4	41.6	41.2	-	-	-	-	-
3566	Power transmission equipment . . . . .	-	39.6	40.3	42.1	41.1	-	-	-	-	-
357	Office and computing machines . . . . .	39.8	40.0	41.2	42.1	41.0	-	2.0	2.4	3.4	2.3
3573	Electronic computing equipment . . . . .	-	41.7	42.5	42.9	41.8	-	-	-	-	-
358	Service industry machines . . . . .	39.6	39.6	40.0	39.6	39.8	-	1.9	2.0	2.2	2.4
3585	Refrigeration machinery . . . . .	-	40.1	40.3	39.5	39.9	-	-	-	-	-
359	Misc. machinery, except electrical . . . . .	40.4	41.2	41.6	42.4	41.6	-	3.4	3.5	4.8	4.0

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

84

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				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
<i>Durable Goods--Continued</i>											
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> .....	\$135.24	\$136.17	\$138.23	\$128.15	\$131.27	\$3.45	\$3.43	\$3.43	\$3.18	\$3.29
361	Electric test & distributing equipment ...	(*)	141.33	147.14	131.93	139.19	(*)	3.56	3.58	3.21	3.42
3611	Electric measuring instruments .....	-	123.20	126.40	116.61	121.52	-	3.20	3.20	2.99	3.10
3612	Transformers .....	-	139.52	142.66	135.36	140.22	-	3.55	3.54	3.20	3.42
3613	Switchgear and switchboard apparatus ..	-	154.63	163.54	142.30	151.06	-	3.79	3.83	3.38	3.64
362	Electrical industrial apparatus .....	(*)	140.35	139.20	133.42	136.28	(*)	3.50	3.48	3.27	3.39
3621	Motors and generators .....	-	144.23	140.80	137.45	139.38	-	3.57	3.52	3.32	3.45
3622	Industrial controls .....	-	133.51	134.46	125.53	128.84	-	3.38	3.37	3.17	3.27
363	Household appliances .....	(*)	141.37	144.72	134.13	137.26	(*)	3.57	3.60	3.37	3.44
3632	Household refrigerators and freezers ...	-	155.24	166.05	148.43	150.69	-	3.94	4.09	3.72	3.73
3633	Household laundry equipment .....	-	156.53	156.87	153.92	148.37	-	3.79	3.78	3.70	3.70
3634	Electric housewares and fans .....	-	114.56	112.52	106.23	110.65	-	2.93	2.90	2.71	2.83
364	Electric lighting and wiring equipment ...	125.71	126.22	126.01	117.61	121.35	3.24	3.22	3.19	2.97	3.08
3641	Electric lamps .....	-	127.91	129.35	118.10	126.72	-	3.23	3.25	2.96	3.16
3642	Lighting fixtures .....	-	130.70	128.05	118.78	120.98	-	3.36	3.25	3.03	3.11
3643,4	Wiring devices .....	-	121.60	121.83	116.22	117.99	-	3.11	3.10	2.92	3.01
365	Radio and TV receiving equipment .....	(*)	118.66	119.89	110.78	113.96	(*)	3.09	3.09	2.87	2.96
366	Communication equipment .....	149.20	150.63	157.92	149.23	148.83	3.73	3.71	3.76	3.57	3.63
3661	Telephone and telegraph apparatus .....	-	144.68	155.40	153.44	147.80	-	3.59	3.70	3.56	3.57
3662	Radio and TV communication equipment ..	-	155.86	160.44	146.01	149.78	-	3.82	3.83	3.57	3.68
367	Electronic components and accessories ..	117.18	117.00	117.00	107.80	111.64	3.02	3.00	3.00	2.75	2.87
3671-3	Electron tubes .....	-	130.28	130.87	117.30	126.64	-	3.29	3.28	3.00	3.19
3674,9	Other electronic components .....	-	113.30	113.30	106.11	108.36	-	2.92	2.92	2.70	2.80
369	Misc. electrical equipment & supplies ..	153.58	153.92	151.37	138.11	139.25	3.83	3.81	3.71	3.41	3.49
3694	Engine electrical equipment .....	-	156.41	156.36	142.48	143.45	-	3.99	3.88	3.58	3.65
37	<b>TRANSPORTATION EQUIPMENT</b> .....	179.34	181.69	176.71	161.20	164.02	4.45	4.41	4.31	4.02	4.07
371	Motor vehicles and equipment .....	(*)	199.18	187.96	165.06	170.47	(*)	4.72	4.54	4.20	4.23
3711	Motor vehicles .....	-	201.06	191.82	165.62	174.32	-	4.88	4.69	4.37	4.38
3712	Passenger car bodies .....	-	261.13	216.49	179.47	186.99	-	5.34	5.13	4.59	4.71
3713	Truck and bus bodies .....	-	152.07	145.70	136.46	138.45	-	3.70	3.67	3.42	3.47
3714	Motor vehicle parts and accessories ...	-	194.16	186.48	168.08	171.37	-	4.59	4.44	4.14	4.19
3715	Truck trailers .....	-	128.14	133.06	127.91	127.86	-	3.39	3.36	3.23	3.27
372	Aircraft and parts .....	(*)	174.22	177.61	168.45	168.92	(*)	4.27	4.29	4.03	4.12
3721	Aircraft .....	-	176.71	179.26	170.55	170.97	-	4.31	4.33	4.09	4.17
3722	Aircraft engines and engine parts .....	-	170.77	174.17	166.01	166.05	-	4.28	4.29	4.01	4.10
3723,9	Other aircraft parts and equipment .....	-	172.22	177.23	166.57	167.62	-	4.14	4.18	3.91	4.01
373	Ship and boat building and repairing ...	(*)	153.65	154.79	149.08	150.07	(*)	3.88	3.86	3.69	3.78
3731	Ship building and repairing .....	-	161.18	161.60	158.75	158.00	-	4.06	4.02	3.91	3.96
3732	Boat building and repairing .....	-	123.80	127.52	117.51	120.20	-	3.15	3.18	2.96	3.09
374	Railroad equipment .....	-	165.59	165.71	154.82	163.14	-	4.29	4.26	3.89	4.13
375,9	Other transportation equipment .....	-	118.50	122.34	113.78	119.89	-	3.16	3.18	3.01	3.09
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> ..	137.07	136.62	138.00	132.03	133.93	3.47	3.45	3.45	3.26	3.34
381	Engineering & scientific instruments .....	-	157.96	156.74	148.73	151.13	-	3.91	3.87	3.61	3.75
382	Mechanical measuring & control devices ..	131.92	132.89	135.38	130.90	131.41	3.40	3.39	3.41	3.24	3.31
3821	Mechanical measuring devices .....	-	133.62	137.94	133.90	134.60	-	3.40	3.44	3.29	3.34
3822	Automatic temperature controls .....	-	131.09	132.10	127.12	126.49	-	3.37	3.37	3.17	3.26
383,5	Optical and ophthalmic goods .....	(*)	121.09	123.72	122.40	122.89	(*)	3.17	3.14	3.06	3.08
385	Ophthalmic goods .....	-	112.35	116.03	111.04	113.76	-	2.98	2.96	2.84	2.88
384	Medical instruments and supplies .....	119.87	119.08	120.20	111.22	113.68	3.05	3.03	3.02	2.83	2.90
386	Photographic equipment and supplies .....	(*)	167.68	168.50	161.97	165.09	(*)	4.12	4.13	3.82	3.94
387	Watches, clocks, and watchcases .....	-	113.60	111.04	102.14	109.14	-	2.84	2.84	2.66	2.77
39	<b>MISC. MANUFACTURING INDUSTRIES</b> .....	111.43	112.81	113.88	108.25	109.52	2.94	2.93	2.92	2.79	2.83
391	Jewelry, silverware, and plated ware .....	121.34	119.13	128.88	117.21	120.43	3.16	3.16	3.19	2.99	3.08
394	Toys and sporting goods .....	-	102.98	102.38	96.26	99.20	-	2.71	2.68	2.52	2.59
3941-3	Games, toys, dolls & play vehicles .....	-	97.84	95.49	88.67	94.37	-	2.63	2.56	2.39	2.49
3949	Sporting and athletic goods, n e c .....	-	108.92	110.43	104.02	105.69	-	2.80	2.81	2.64	2.71
395	Pens, pencils, office and art supplies .....	-	114.60	110.46	108.08	110.01	-	3.00	2.93	2.80	2.85
396	Costume jewelry and notions .....	-	102.22	102.29	96.13	98.69	-	2.69	2.65	2.51	2.57
393,9	Other manufacturing industries .....	(*)	119.81	122.36	117.60	117.78	(*)	3.08	3.09	3.00	3.02
393	Musical instruments and parts .....	-	117.71	123.73	112.71	116.03	-	2.98	3.04	2.89	2.96
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	132.80	133.80	133.09	124.74	127.98	3.32	3.32	3.27	3.08	3.16
201	Meat products .....	(*)	147.68	146.93	138.11	138.10	(*)	3.55	3.49	3.32	3.36
2011	Meat packing plants .....	-	182.62	185.85	168.00	168.75	-	4.16	4.13	3.88	3.98
2013	Sausages and other prepared meats .....	-	155.90	155.01	144.68	148.56	-	3.84	3.79	3.59	3.65
2015	Poultry dressing plants .....	-	83.66	83.88	82.74	84.28	-	2.19	2.19	2.10	2.15

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				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
<i>Durable Goods--Continued</i>											
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	39.2	39.7	40.3	40.3	39.9	-	1.8	2.2	2.7	2.3
361	Electric test & distributing equipment	(*)	39.7	41.1	41.1	40.7	-	1.7	2.8	3.2	2.7
3611	Electric measuring instruments	-	38.5	39.5	39.0	39.2	-	-	-	-	-
3612	Transformers	-	39.3	40.3	42.3	41.0	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	40.8	42.7	42.1	41.5	-	-	-	-	-
362	Electrical industrial apparatus	(*)	40.1	40.0	40.8	40.2	-	1.9	2.0	3.3	2.5
3621	Motors and generators	-	40.4	40.0	41.4	40.4	-	-	-	-	-
3622	Industrial controls	-	39.5	39.9	39.6	39.4	-	-	-	-	-
363	Household appliances	(*)	39.6	40.2	39.8	39.9	-	2.0	2.2	2.1	2.4
3632	Household refrigerators and freezers	-	39.4	40.6	39.9	40.4	-	-	-	-	-
3633	Household laundry equipment	-	41.3	41.5	41.6	40.1	-	-	-	-	-
3634	Electric housewares and fans	-	39.1	38.8	39.2	39.1	-	-	-	-	-
364	Electric lighting and wiring equipment	38.8	39.2	39.5	39.6	39.4	-	1.7	1.8	2.5	2.1
3641	Electric lamps	-	39.6	39.8	39.9	40.1	-	-	-	-	-
3642	Lighting fixtures	-	38.9	39.4	39.2	38.9	-	-	-	-	-
3643,4	Wiring devices	-	39.1	39.3	39.8	39.2	-	-	-	-	-
365	Radio and TV receiving equipment	(*)	38.4	38.8	38.6	38.5	-	1.2	1.8	1.1	1.6
366	Communication equipment	40.0	40.6	42.0	41.8	41.0	-	2.4	3.1	3.8	2.8
3661	Telephone and telegraph apparatus	-	40.3	42.0	43.1	41.4	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.8	42.0	40.9	40.7	-	-	-	-	-
367	Electronic components and accessories	38.8	39.0	39.0	39.2	38.9	-	1.3	1.5	2.1	1.7
3671-3	Electron tubes	-	39.6	39.9	39.1	39.7	-	-	-	-	-
3674,9	Other electronic components	-	38.8	38.8	39.3	38.7	-	-	-	-	-
369	Misc. electrical equipment & supplies	40.1	40.4	40.8	40.5	39.9	-	2.5	2.5	2.6	2.3
3694	Engine electrical equipment	-	39.2	40.3	39.8	39.3	-	-	-	-	-
37	<b>TRANSPORTATION EQUIPMENT</b>	40.3	41.2	41.0	40.1	40.3	-	3.3	3.1	2.8	3.0
371	Motor vehicles and equipment	(*)	42.2	41.4	39.3	40.3	-	4.3	3.4	2.5	3.3
3711	Motor vehicles	-	41.2	40.9	37.9	39.8	-	-	-	-	-
3712	Passenger car bodies	-	48.9	42.2	39.1	39.7	-	-	-	-	-
3713	Truck and bus bodies	-	41.1	39.7	39.9	39.9	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	42.3	42.0	40.6	40.9	-	-	-	-	-
3715	Truck trailers	-	37.8	39.6	39.6	39.1	-	-	-	-	-
372	Aircraft and parts	(*)	40.8	41.4	41.8	41.0	-	2.1	2.6	3.5	2.7
3721	Aircraft	-	41.0	41.4	41.7	41.0	-	-	-	-	-
3722	Aircraft engines and engine parts	-	39.9	40.6	41.4	40.5	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	41.6	42.4	42.6	41.8	-	-	-	-	-
373	Ship and boat building and repairing	(*)	39.6	40.1	40.4	39.7	-	3.4	3.6	3.2	3.1
3731	Ship building and repairing	-	39.7	40.2	40.6	39.9	-	-	-	-	-
3732	Boat building and repairing	-	39.3	40.1	39.7	38.9	-	-	-	-	-
374	Railroad equipment	-	38.6	38.9	39.8	39.5	-	1.7	1.9	3.0	2.6
375,9	Other transportation equipment	-	37.5	38.5	37.8	38.8	-	1.7	1.9	1.8	2.3
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	39.5	39.6	40.0	40.5	40.1	-	1.7	2.0	2.8	2.3
381	Engineering & scientific instruments	-	40.4	40.5	41.2	40.3	-	2.5	2.3	2.9	2.4
382	Mechanical measuring & control devices	38.8	39.2	39.7	40.4	39.7	-	1.4	1.9	3.0	2.4
3821	Mechanical measuring devices	-	39.3	40.1	40.7	40.3	-	-	-	-	-
3822	Automatic temperature controls	-	38.9	39.2	40.1	38.8	-	-	-	-	-
383,5	Optical and ophthalmic goods	(*)	38.2	39.4	40.0	39.9	-	1.1	1.5	2.5	2.2
385	Ophthalmic goods	-	37.7	39.2	39.1	39.5	-	1.2	1.5	1.9	2.0
384	Medical instruments and supplies	39.3	39.3	39.8	39.3	39.2	-	1.6	1.9	2.2	1.8
386	Photographic equipment and supplies	(*)	40.7	40.8	42.4	41.9	-	2.0	2.6	3.9	2.9
387	Watches, clocks, and watch cases	-	39.6	39.1	38.4	39.4	-	1.8	1.7	1.7	1.9
39	<b>MISC. MANUFACTURING INDUSTRIES</b>	37.9	38.4	39.0	38.8	38.7	-	1.7	2.2	2.3	2.2
391	Jewelry, silverware, and plated ware	38.4	37.7	40.4	39.2	39.1	-	2.0	3.5	2.6	2.5
394	Toys and sporting goods	-	38.0	38.2	38.2	38.3	-	1.3	1.8	2.0	2.0
3941-3	Games, toys, dolls, & play vehicles	-	37.2	37.3	37.1	37.9	-	-	-	-	-
3949	Sporting and athletic goods, nec.	-	38.9	39.3	39.4	39.0	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	38.2	37.7	38.6	38.6	-	.9	.5	1.9	1.5
396	Costume jewelry and notions	-	38.0	38.6	38.3	38.4	-	1.9	2.1	2.2	2.2
393,9	Other manufacturing industries	(*)	38.9	39.6	39.2	39.0	-	2.0	2.4	2.5	2.3
393	Musical instruments and parts	-	39.5	40.7	39.0	39.2	-	1.9	3.1	1.9	2.0
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	40.0	40.3	40.7	40.5	40.5	-	3.8	3.9	4.0	4.0
201	Meat products	(*)	41.6	42.1	41.6	41.1	-	5.2	5.4	5.0	4.6
2011	Meat packing plants	-	43.9	45.0	43.3	42.4	-	-	-	-	-
2013	Sausages and other prepared meats	-	40.6	40.9	40.3	40.7	-	-	-	-	-
2015	Poultry dressing plants	-	38.2	38.3	39.4	39.2	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

86

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				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
	<i>Nondurable Goods--Continued</i>										
	<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
202	Dairy products.....	\$139.74	\$137.83	\$138.43	\$130.92	\$134.88	\$3.40	\$3.37	\$3.36	\$3.17	\$3.25
2024	Ice cream and frozen desserts.....	-	129.35	127.98	120.87	127.61	-	3.25	3.24	3.06	3.12
2026	Fluid milk.....	-	146.43	146.08	138.53	142.20	-	3.52	3.52	3.33	3.41
203	Canned, cured, and frozen foods.....	-	106.09	103.52	98.94	102.56	-	2.77	2.71	2.59	2.65
2031,6	Canned, cured, and frozen sea foods.....	-	83.66	87.05	80.73	84.97	-	2.35	2.34	2.30	2.38
2032,3	Canned food, except sea foods.....	-	117.00	113.10	106.47	110.21	-	3.00	2.93	2.78	2.79
2037	Frozen fruits and vegetables.....	-	96.00	94.25	94.01	95.06	-	2.50	2.50	2.38	2.45
204	Grain mill products.....	(*)	148.92	148.24	143.74	145.84	(*)	3.40	3.40	3.18	3.27
2041	Flour and other grain mill products.....	-	156.00	154.07	152.13	154.56	-	3.49	3.47	3.23	3.36
2042	Prepared feeds for animals and fowls.....	-	139.07	136.50	128.42	129.84	-	3.07	3.02	2.81	2.86
205	Bakery products.....	132.44	129.65	129.93	121.21	126.22	3.37	3.35	3.34	3.10	3.22
2051	Bread, cake, and related products.....	-	130.47	131.48	121.44	128.18	-	3.38	3.38	3.13	3.27
2052	Cookies and crackers.....	-	126.04	125.58	119.70	121.04	-	3.24	3.22	3.00	3.08
206	Sugar.....	-	131.93	133.85	126.60	132.80	-	3.34	3.07	3.00	3.20
207	Confectionery and related products.....	110.68	111.33	111.00	103.60	108.19	2.86	2.84	2.81	2.67	2.76
2071	Confectionery products.....	-	106.70	107.02	99.46	104.37	-	2.75	2.73	2.59	2.69
208	Beverages.....	(*)	147.80	153.52	135.80	146.00	(*)	3.78	3.80	3.50	3.65
2082	Malt liquors.....	-	197.24	200.08	180.99	192.64	-	4.87	4.88	4.48	4.71
2086	Bottled and canned soft drinks.....	-	109.52	112.58	101.76	109.97	-	2.83	2.85	2.65	2.77
209	Misc. foods and kindred products.....	133.63	130.92	132.62	124.56	127.51	3.22	3.17	3.15	2.98	3.08
21	<b>TOBACCO MANUFACTURES</b> .....	113.25	114.98	119.10	106.39	110.38	3.02	3.01	3.00	2.86	2.92
211	Cigarettes.....	-	139.65	148.47	130.85	134.46	-	3.59	3.63	3.48	3.52
212	Cigars.....	-	82.94	84.60	81.31	81.40	-	2.26	2.25	2.18	2.20
22	<b>TEXTILE MILL PRODUCTS</b> .....	102.36	101.85	101.45	96.80	97.76	2.54	2.54	2.53	2.42	2.45
221	Weaving mills, cotton.....	102.97	103.63	103.63	99.70	99.80	2.53	2.54	2.54	2.42	2.44
222	Weaving mills, synthetics.....	104.86	104.09	104.19	99.47	101.09	2.57	2.57	2.56	2.45	2.49
223	Weaving and finishing mills, wool.....	(*)	106.80	102.31	102.92	100.80	(*)	2.65	2.63	2.48	2.52
224	Narrow fabric mills.....	98.06	99.28	100.44	96.96	96.87	2.47	2.47	2.48	2.43	2.44
225	Knitting mills.....	91.99	91.99	90.75	86.68	89.35	2.44	2.44	2.42	2.33	2.37
2251	Women's hosiery, except socks.....	-	82.11	82.59	83.03	84.47	-	2.38	2.38	2.30	2.34
2252	Hosiery, n e c.....	-	79.34	78.48	76.47	79.27	-	2.21	2.18	2.13	2.16
2253	Knit outerwear mills.....	-	98.42	94.13	89.06	93.12	-	2.53	2.51	2.44	2.47
2254	Knit underwear mills.....	-	85.42	87.17	77.40	81.40	-	2.29	2.27	2.15	2.20
226	Textile finishing, except wool.....	116.57	111.65	114.90	105.22	107.12	2.73	2.71	2.71	2.56	2.60
227	Floor covering mills.....	-	108.50	111.67	103.82	107.01	-	2.64	2.64	2.52	2.56
228	Yarn and thread mills.....	99.42	97.10	97.00	89.95	91.37	2.39	2.38	2.36	2.26	2.29
229	Miscellaneous textile goods.....	115.08	114.24	112.03	108.62	109.62	2.80	2.80	2.78	2.63	2.70
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....	85.31	85.61	86.49	83.07	84.37	2.48	2.46	2.45	2.36	2.39
231	Men's and boys' suits and coats.....	(*)	100.55	103.84	103.74	101.85	(*)	2.94	2.95	2.85	2.91
232	Men's and boys' furnishings.....	(*)	77.47	78.05	74.73	76.65	(*)	2.17	2.15	2.07	2.10
2321	Men's and boys' shirts and nightwear.....	-	74.69	76.04	74.21	75.35	-	2.14	2.13	2.05	2.07
2327	Men's and boys' separate trousers.....	-	78.41	79.18	74.93	76.49	-	2.16	2.14	2.07	2.09
2328	Men's and boys' work clothing.....	-	74.67	75.76	72.04	73.53	-	2.08	2.07	1.99	2.02
233	Women's and misses' outerwear.....	89.31	86.91	86.91	84.00	85.58	2.65	2.61	2.61	2.50	2.57
2331	Women's and misses' blouses and waists.....	-	79.02	79.06	75.94	78.31	-	2.38	2.36	2.24	2.31
2335	Women's and misses' dresses.....	-	87.75	87.21	84.04	86.45	-	2.70	2.70	2.57	2.66
2337	Women's and misses' suits and coats.....	-	98.84	97.28	94.62	96.17	-	3.06	3.04	2.85	2.95
2339	Women's and misses' outerwear, n e c.....	-	81.27	81.76	79.12	78.90	-	2.27	2.24	2.21	2.21
234	Women's and children's undergarments.....	(*)	79.52	79.56	74.69	78.40	(*)	2.24	2.21	2.14	2.19
2341	Women's and children's underwear.....	-	76.95	77.54	72.31	76.47	-	2.18	2.16	2.09	2.13
2342	Corsets and allied garments.....	-	85.08	84.47	80.00	82.59	-	2.37	2.34	2.26	2.32
235	Hats, caps, and millinery.....	-	84.35	82.76	80.33	81.00	-	2.33	2.28	2.25	2.25
236	Children's outerwear.....	79.46	78.55	79.57	77.88	79.07	2.31	2.29	2.28	2.20	2.24
2361	Children's dresses and blouses.....	-	80.38	78.78	77.19	77.03	-	2.29	2.29	2.15	2.22
237,8	Fur goods and miscellaneous apparel.....	-	89.95	95.30	87.82	90.11	-	2.57	2.64	2.46	2.51
239	Misc. fabricated textile products.....	(*)	97.05	95.25	89.79	91.88	(*)	2.63	2.54	2.44	2.47
2391,2	Housefurnishings.....	-	82.13	83.92	77.23	80.94	-	2.25	2.22	2.11	2.17
26	<b>PAPER AND ALLIED PRODUCTS</b> .....	148.16	148.10	148.75	142.04	144.14	3.57	3.56	3.55	3.35	3.44
261,2,6	Paper and pulp mills.....	170.09	170.87	169.74	163.76	166.06	3.91	3.91	3.92	3.68	3.80
263	Paperboard mills.....	177.68	175.60	176.36	168.22	171.77	4.02	4.00	3.99	3.73	3.86
264	Misc. converted paper products.....	128.30	129.20	130.33	124.14	125.74	3.24	3.23	3.21	3.05	3.12
2643	Bags, except textile bags.....	-	125.60	126.86	119.02	121.00	-	3.14	3.14	2.91	3.01
265	Paperboard containers and boxes.....	133.06	132.26	134.56	126.38	128.79	3.31	3.29	3.29	3.09	3.18
2651,2	Folding and setup paperboard boxes.....	-	122.62	128.11	117.49	119.70	-	3.12	3.14	2.93	3.00
2653	Corrugated and solid fiber boxes.....	-	139.60	140.70	132.89	136.20	-	3.43	3.44	3.21	3.33
2654	Sanitary food containers.....	-	131.38	131.84	124.42	127.92	-	3.22	3.20	3.02	3.12

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				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
	<i>Nonurable Goods--Continued</i>										
	<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
202	Dairy products.....	41.1	40.9	41.2	41.3	41.5	-	3.6	3.6	3.8	4.0
2024	Ice cream and frozen desserts.....	-	39.8	39.5	39.5	40.9	-	-	-	-	-
2026	Fluid milk.....	-	41.6	41.5	41.6	41.7	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	38.3	38.2	38.2	38.7	-	2.7	2.5	3.1	3.2
2031,6	Canned, cured and frozen sea foods.....	-	35.6	37.2	35.1	35.7	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	39.0	38.6	38.3	39.5	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	38.4	37.7	39.5	38.8	-	-	-	-	-
204	Grain mill products.....	(*)	43.8	43.6	45.2	44.6	-	6.0	5.6	7.3	6.5
2041	Flour and other grain mill product.....	-	44.7	44.4	47.1	46.0	-	-	-	-	-
2042	Prepared feeds for animals and fowls.....	-	45.3	45.2	45.7	45.4	-	-	-	-	-
205	Bakery products.....	39.3	38.7	38.9	39.1	39.2	-	2.9	2.9	3.2	3.3
2051	Bread, cake, and related products.....	-	38.6	38.9	38.8	39.2	-	-	-	-	-
2052	Cookies and crackers.....	-	38.9	39.0	39.9	39.3	-	-	-	-	-
206	Sugar.....	-	39.5	43.6	42.2	41.5	-	3.3	3.4	4.7	4.0
207	Confectionery and related products.....	38.7	39.2	39.5	38.8	39.2	-	2.3	2.5	2.1	2.5
2071	Confectionery products.....	-	38.8	39.2	38.4	38.8	-	-	-	-	-
208	Beverages.....	(*)	39.1	40.4	38.8	40.0	-	2.6	3.0	2.6	3.3
2082	Malt liquors.....	-	40.5	41.0	40.4	40.9	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	38.7	39.5	38.4	39.7	-	-	-	-	-
209	Misc. foods and kindred products.....	41.5	41.3	42.1	41.8	41.4	-	4.6	4.7	4.8	4.5
21	<b>TOBACCO MANUFACTURES</b> .....	37.5	38.2	39.7	37.2	37.8	-	1.5	2.1	1.5	1.7
211	Cigarettes.....	-	38.9	40.9	37.6	38.2	-	1.8	2.8	1.8	2.1
212	Cigars.....	-	36.7	37.6	37.3	37.0	-	1.0	1.0	1.1	1.1
22	<b>TEXTILE MILL PRODUCTS</b> .....	40.3	40.1	40.1	40.0	39.9	-	3.4	3.4	3.5	3.3
221	Weaving mills, cotton.....	40.7	40.8	40.8	41.2	40.9	-	3.8	3.8	4.2	4.0
222	Weaving mills, synthetics.....	40.8	40.5	40.7	40.6	40.6	-	3.3	3.2	3.6	3.3
223	Weaving and finishing mills, wool.....	(*)	40.3	38.9	41.5	40.0	-	3.2	2.7	3.7	3.1
224	Narrow fabric mill.....	39.7	40.2	40.5	39.9	39.7	-	2.3	2.6	3.0	2.5
225	Knitting mills.....	37.7	37.7	37.5	37.2	37.7	-	2.4	2.3	2.1	2.3
2251	Women's hosiery, except socks.....	-	34.5	34.7	36.1	36.1	-	-	-	-	-
2252	Hosiery, n e c.....	-	35.9	36.0	35.9	36.7	-	-	-	-	-
2253	Knit outerwear mills.....	-	38.9	37.5	36.5	37.7	-	-	-	-	-
2254	Knit underwear mills.....	-	37.3	38.4	36.0	37.0	-	-	-	-	-
226	Textile finishing, except wool.....	42.7	41.2	42.4	41.1	41.2	-	4.3	4.8	4.2	4.1
227	Floor covering mills.....	-	41.1	42.3	41.2	41.8	-	3.6	4.5	3.9	3.8
228	Yarn and thread mills.....	41.6	40.8	41.1	39.8	39.9	-	3.9	3.9	3.6	3.4
229	Miscellaneous textile goods.....	41.1	40.8	40.3	41.3	40.6	-	3.3	2.8	3.9	3.4
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....	34.4	34.8	35.3	35.2	35.3	-	1.0	1.1	1.1	1.1
231	Men's and boys' suits and coats.....	(*)	34.2	35.2	36.4	35.0	-	.7	.8	1.2	.8
232	Men's and boys' furnishings.....	(*)	35.7	36.3	36.1	36.5	-	.8	1.0	1.0	1.1
2321	Men's and boys' shirts and nightwear.....	-	34.9	35.7	36.2	36.4	-	-	-	-	-
2327	Men's and boys' separate trousers.....	-	36.3	37.0	36.2	36.6	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	35.9	36.6	36.2	36.4	-	-	-	-	-
233	Women's and misses' outerwear.....	33.7	33.3	33.3	33.6	33.3	-	1.1	1.0	1.1	1.1
2331	Women's and misses' blouses and waists.....	-	33.2	33.5	33.9	33.9	-	-	-	-	-
2335	Women's and misses' dresses.....	-	32.5	32.3	32.7	32.5	-	-	-	-	-
2337	Women's and misses' suits and coats.....	-	32.3	32.0	33.2	32.6	-	-	-	-	-
2339	Women's and misses' outerwear, n e c.....	-	35.8	36.5	35.8	35.7	-	-	-	-	-
234	Women's and children's undergarments.....	(*)	35.5	36.0	34.9	35.8	-	.8	1.0	.8	1.1
2341	Women's and children's underwear.....	-	35.3	35.9	34.6	35.9	-	-	-	-	-
2342	Corsets and allied garments.....	-	35.9	36.1	35.4	35.6	-	-	-	-	-
235	Hats, caps, and millinery.....	-	36.2	36.3	35.7	36.0	-	.9	1.0	1.2	1.0
236	Children's outerwear.....	34.4	34.3	34.9	35.4	35.3	-	.9	.8	1.2	1.2
2361	Children's dresses and blouses.....	-	35.1	34.4	35.9	34.7	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel.....	-	35.0	36.1	35.7	35.9	-	.9	1.2	1.0	1.1
239	Misc. fabricated textile products.....	(*)	36.9	37.5	36.8	37.2	-	1.4	1.6	1.4	1.7
2391,2	Housefurnishings.....	-	36.5	37.8	36.6	37.3	-	-	-	-	-
26	<b>PAPER AND ALLIED PRODUCTS</b> .....	41.5	41.6	41.9	42.4	41.9	-	4.3	4.3	5.1	4.6
261,2,6	Paper and pulp mills.....	43.5	43.7	43.3	44.5	43.7	-	5.9	5.5	6.4	6.0
263	Paperboard mills.....	44.2	43.9	44.2	45.1	44.5	-	6.5	6.7	7.8	7.1
264	Misc. converted paper products.....	39.6	40.0	40.6	40.7	40.3	-	2.7	3.0	3.7	3.2
2643	Bags, except textile bags.....	-	40.0	40.4	40.9	40.2	-	-	-	-	-
265	Paperboard containers and boxes.....	40.2	40.2	40.9	40.9	40.5	-	3.2	3.3	4.0	3.6
2651,2	Folding and setup paperboard boxes.....	-	39.3	40.8	40.1	39.9	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	40.7	40.9	41.4	40.9	-	-	-	-	-
2654	Sanitary food containers.....	-	40.8	41.2	41.2	41.0	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
	<i>Nondurable Goods--Continued</i>										
27	<b>PRINTING AND PUBLISHING</b>	\$152.18	\$151.03	\$153.90	\$143.26	\$147.78	\$4.08	\$4.06	\$4.05	\$3.80	\$3.92
271	Newspapers	(*)	151.99	159.64	144.67	150.94	(*)	4.38	4.41	4.11	4.24
272	Periodicals	-	172.33	176.34	166.05	169.71	-	4.33	4.28	4.10	4.18
273	Books	-	143.56	142.37	129.79	135.84	-	3.70	3.66	3.38	3.51
275	Commercial printing	156.21	155.80	157.87	148.61	153.24	4.10	4.10	4.09	3.84	3.97
2751	Commercial printing, ex. lithographic	-	151.22	152.45	145.13	149.00	-	3.99	3.97	3.75	3.87
2752	Commercial printing, lithographic	-	163.02	165.68	154.82	160.66	-	4.29	4.27	3.98	4.13
278	Blankbooks and bookbinding	113.09	114.51	116.05	109.13	113.02	3.04	3.07	3.03	2.91	2.99
274,6,7,9	Other publishing & printing ind.	(*)	154.35	151.29	146.29	145.54	(*)	4.03	3.95	3.78	3.83
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	157.00	157.77	158.08	150.12	153.50	3.82	3.82	3.80	3.60	3.69
281	Industrial chemicals	(*)	175.56	177.66	168.70	172.58	(*)	4.18	4.20	3.96	4.08
2812	Alkalies and chlorine	-	174.69	182.30	172.40	177.98	-	4.24	4.22	4.00	4.12
2818	Industrial organic chemicals, n e c.	-	184.34	184.80	178.91	182.32	-	4.41	4.40	4.19	4.30
2819	Industrial inorganic chemicals, n e c.	-	167.65	172.60	160.02	163.10	-	4.03	4.09	3.81	3.93
282	Plastics materials and synthetics	154.80	154.09	155.82	146.72	151.73	3.73	3.74	3.71	3.51	3.63
2821	Plastics materials and resins	-	166.30	167.81	158.95	164.01	-	3.95	3.93	3.74	3.85
2823,4	Synthetic fibers	-	141.35	142.42	134.31	137.76	-	3.49	3.44	3.26	3.36
283	Drugs	(*)	151.40	149.81	141.73	143.37	(*)	3.72	3.69	3.44	3.54
2834	Pharmaceutical preparations	-	145.75	144.23	136.01	137.94	-	3.59	3.57	3.35	3.44
284	Soap, cleaners, and toilet goods	151.50	155.09	156.53	147.85	149.65	3.75	3.82	3.79	3.58	3.65
2841	Soap and other detergents	-	193.86	195.39	185.68	189.45	-	4.66	4.63	4.40	4.50
2844	Toilet preparations	-	127.84	128.30	121.95	122.61	-	3.18	3.16	2.96	3.02
285	Paints and allied products	144.04	143.35	141.60	135.94	140.88	3.61	3.62	3.54	3.39	3.47
287	Agricultural chemicals	(*)	132.51	129.68	125.75	128.52	(*)	3.17	3.14	3.03	3.06
2871,2	Fertilizers, complete & mixing only	-	128.17	124.68	118.56	123.68	-	3.03	2.99	2.85	2.91
286,9	Other chemical products	148.19	148.63	148.16	142.07	143.72	3.65	3.60	3.57	3.44	3.48
2892	Explosives	-	154.91	156.75	144.32	147.02	-	3.76	3.75	3.59	3.63
29	<b>PETROLEUM AND COAL PRODUCTS</b>	189.06	186.95	185.76	176.40	182.33	4.48	4.43	4.33	4.21	4.27
291	Petroleum refining	195.88	196.19	193.86	185.17	189.93	4.72	4.66	4.54	4.43	4.49
295,9	(Other petroleum and coal products)	(*)	155.13	159.07	144.82	157.52	(*)	3.65	3.64	3.44	3.58
30	<b>RUBBER AND PLASTICS PRODUCTS, N E C</b>	132.53	132.53	132.47	128.21	128.96	3.33	3.33	3.32	3.15	3.20
301	Tires and inner tubes	(*)	177.06	177.06	188.72	179.73	(*)	4.46	4.46	4.26	4.31
302,3,6	Other rubber products	129.77	128.08	128.40	122.80	125.11	3.22	3.21	3.21	3.07	3.12
302	Rubber footwear	-	110.88	109.25	103.18	105.84	-	2.80	2.78	2.68	2.70
307	Miscellaneous plastics products	116.53	118.21	118.00	110.12	113.72	2.95	2.97	2.95	2.76	2.85
31	<b>LEATHER AND LEATHER PRODUCTS</b>	93.91	95.60	96.27	92.74	92.88	2.58	2.57	2.54	2.46	2.49
311	Leather tanning and finishing	126.43	125.71	127.60	119.78	123.78	3.25	3.24	3.19	3.04	3.11
314	Footwear, except rubber	90.86	94.00	93.99	91.96	90.40	2.51	2.52	2.48	2.42	2.43
312,3,5-7,8	Other leather products	(*)	89.18	91.14	84.84	88.57	(*)	2.45	2.45	2.35	2.42
316	Luggage	-	88.92	88.74	83.39	89.11	-	2.57	2.55	2.41	2.51
317	Handbags and personal leather goods	-	87.45	90.44	82.08	87.08	-	2.37	2.38	2.28	2.36
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	161.20	160.80	158.40	151.07	155.93	4.03	4.01	3.97	3.73	3.85
	<b>RAILROAD TRANSPORTATION</b>										
4011	Class I railroads <sup>2</sup>	-	(*)	(*)	168.84	(*)	-	(*)	(*)	3.82	(*)
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>										
411	Local and suburban transportation	-	144.32	145.38	135.20	143.14	-	3.52	3.52	3.25	3.40
413	Intercity highway transportation	-	174.28	167.28	158.37	168.45	-	4.23	4.11	3.92	4.03
42	<b>TRUCKING AND WAREHOUSING</b>	-	169.33	168.45	151.20	159.39	-	4.14	4.03	3.67	3.85
421,3	Trucking and trucking terminals	-	173.02	172.21	154.42	162.27	-	4.22	4.11	3.73	3.91
422	Public warehousing	-	123.07	123.73	114.95	120.29	-	3.10	3.04	2.91	3.03
46	<b>PIPE LINE TRANSPORTATION</b>	-	201.97	197.16	189.06	189.20	-	4.73	4.65	4.48	4.57
48	<b>COMMUNICATION</b>	-	136.22	135.84	130.75	134.01	-	3.52	3.51	3.31	3.41
481	Telephone communication	-	132.74	132.35	128.30	131.60	-	3.43	3.42	3.24	3.34
4817	Switchboard operating employees <sup>3</sup>	-	99.07	97.29	92.75	96.60	-	2.88	2.87	2.62	2.76
4818	Line construction employees <sup>3</sup>	-	180.60	183.57	181.25	185.06	-	4.20	4.22	4.01	4.14
482	Telegraph communication <sup>5</sup>	-	158.72	157.59	147.42	154.40	-	3.77	3.77	3.51	3.65
483	Radio and television broadcasting	-	156.62	156.29	144.02	147.45	-	4.10	4.07	3.78	3.86

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				
		Feb. p 1971	Jan. p 1971	Dec. 1970	Jan. 1970	Avg. 1970	Feb. p 1971	Jan. p 1971	Dec. 1970	Jan. 1970	Avg. 1970
	<i>Nondurable Goods--Continued</i>										
27	<b>PRINTING AND PUBLISHING</b> .....	37.3	37.2	38.0	37.7	37.7	-	2.3	2.9	2.9	2.8
271	Newspapers.....	(*)	34.7	36.2	35.2	35.6	-	1.8	3.0	2.2	2.6
272	Periodicals.....	-	39.8	41.2	40.5	40.6	-	4.2	3.7	4.4	4.1
273	Books .....	-	38.8	38.9	38.4	38.7	-	2.6	2.8	2.5	2.6
275	Commercial printing .....	38.1	38.0	38.6	38.7	38.6	-	2.6	3.0	3.3	3.2
2751	Commercial printing, ex. lithographic .....	-	37.9	38.4	38.7	38.5	-	-	-	-	-
2752	Commercial printing, lithographic .....	-	38.0	38.8	38.9	38.9	-	-	-	-	-
278	Blankbooks and bookbinding.....	37.2	37.3	38.3	37.5	37.8	-	1.7	1.7	2.1	1.9
274,6,7,9	Other publishing & printing ind.....	(*)	38.3	38.3	38.7	38.0	-	2.4	2.7	3.2	2.5
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> ..	41.1	41.3	41.6	41.7	41.6	-	2.9	2.9	3.4	3.1
281	Industrial chemicals .....	(*)	42.0	42.3	42.6	42.3	-	3.5	3.3	4.0	3.7
2812	Alkalies and chlorine.....	-	41.2	43.2	43.1	43.2	-	-	-	-	-
2818	Industrial organic chemicals, n.e.c....	-	41.8	42.0	42.7	42.4	-	-	-	-	-
2819	Industrial inorganic chemicals, n.e.c....	-	41.6	42.2	42.0	41.5	-	-	-	-	-
282	Plastics materials and synthetics .....	41.5	41.2	42.0	41.8	41.8	-	2.4	2.5	3.0	2.7
2821	Plastics materials and resins.....	-	42.1	42.7	42.5	42.6	-	-	-	-	-
2823,4	Synthetic fibers .....	-	40.5	41.4	41.2	41.0	-	-	-	-	-
283	Drugs .....	(*)	40.7	40.6	41.2	40.5	-	2.6	2.6	3.2	2.5
2834	Pharmaceutical preparations .....	-	40.6	40.4	40.6	40.1	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	40.4	40.6	41.3	41.3	41.0	-	2.6	2.9	3.2	3.1
2841	Soap and other detergents .....	-	41.6	42.2	42.2	42.1	-	-	-	-	-
2844	Toilet preparations .....	-	40.2	40.6	41.2	40.6	-	-	-	-	-
285	Paints and allied products .....	39.9	39.6	40.0	40.1	40.6	-	2.1	1.6	2.2	2.6
287	Agricultural chemicals .....	(*)	41.8	41.3	41.5	42.0	-	4.1	3.6	4.1	4.5
2871,2	Fertilizers, complete & mixing only..	-	42.3	41.7	41.6	42.5	-	-	-	-	-
286,9	Other chemical products .....	40.6	41.4	41.5	41.3	41.3	-	2.7	3.0	3.0	2.9
2892	Explosives .....	-	41.2	41.8	40.2	40.5	-	-	-	-	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	42.2	42.2	42.9	41.9	42.7	-	3.5	4.0	3.3	3.8
291	Petroleum refining.....	41.5	42.1	42.7	41.8	42.3	-	2.9	3.3	2.9	3.1
295,9	Other petroleum and coal products.....	(*)	42.5	43.7	42.1	44.0	-	5.7	6.4	4.5	6.3
30	<b>RUBBER AND PLASTICS PRODUCTS, NEC.</b> ..	39.8	39.8	39.9	40.7	40.3	-	2.6	2.8	3.7	3.3
301	Tires and inner tubes .....	(*)	39.7	39.7	44.3	41.7	-	2.6	3.4	6.6	4.8
302,3,6	Other rubber products .....	40.3	39.9	40.0	40.0	40.1	-	2.5	2.6	2.8	2.8
302	Rubber footwear .....	-	39.6	39.3	38.5	39.2	-	3.0	2.9	1.7	2.4
307	Miscellaneous plastics products .....	39.5	39.8	40.0	39.9	39.9	-	2.6	2.7	3.2	3.2
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	36.4	37.2	37.9	37.7	37.3	-	1.6	1.6	1.9	1.7
311	Leather tanning and finishing.....	38.9	38.8	40.0	39.4	39.8	-	2.9	3.4	3.1	3.3
314	Footwear, except rubber .....	36.2	37.3	37.9	38.0	37.2	-	1.5	1.4	2.0	1.6
312,3,5-7,9	Other leather products .....	(*)	36.4	37.2	36.1	36.6	-	1.4	1.6	1.3	1.5
316	Luggage .....	-	34.6	34.8	34.6	35.5	-	.9	1.0	1.0	1.0
317	Handbags and personal leather goods..	-	36.9	38.0	36.0	36.9	-	1.7	1.8	1.4	1.7
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.0	40.1	39.9	40.5	40.5	-	-	-	-	-
4011	<b>RAILROAD TRANSPORTATION:</b> Class I railroads <sup>2</sup> .....	-	(*)	(*)	44.2	(*)	-	-	-	-	-
411	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b> Local and suburban transportation.....	-	41.0	41.3	41.6	42.1	-	-	-	-	-
413	Intercity highway transportation.....	-	41.2	40.7	40.4	41.8	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	-	40.9	41.8	41.2	41.4	-	-	-	-	-
421,3	Trucking and trucking terminals .....	-	41.0	41.9	41.4	41.5	-	-	-	-	-
422	Public warehousing .....	-	39.7	40.7	39.5	39.7	-	-	-	-	-
46	<b>PIPE LINE TRANSPORTATION</b> .....	-	42.7	42.4	42.2	41.4	-	-	-	-	-
48	<b>COMMUNICATION</b> .....	-	38.7	38.7	39.5	39.3	-	-	-	-	-
481	Telephone communication .....	-	38.7	38.7	39.6	39.4	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> .....	-	34.4	33.9	35.4	35.0	-	-	-	-	-
4818	Line construction employees <sup>4</sup> .....	-	43.0	43.5	45.2	44.7	-	-	-	-	-
482	Telegraph communication <sup>5</sup> .....	-	42.1	41.8	42.0	42.3	-	-	-	-	-
483	Radio and television broadcasting.....	-	38.2	38.4	38.1	38.2	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Avg. 1970
-	<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>										
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	\$178.43	\$178.05	\$169.71	\$172.23	-	\$4.31	\$4.28	\$4.06	\$4.15
491	Electric companies and systems .....	-	181.33	179.28	170.98	175.98	-	4.38	4.32	4.11	4.21
492	Gas companies and systems .....	-	163.15	161.52	157.41	157.00	-	3.96	3.93	3.73	3.82
493	Combination companies and systems...	-	194.22	197.03	184.31	188.03	-	4.68	4.68	4.42	4.52
494-7	Water, steam, & sanitary systems .....	-	152.77	150.12	144.70	146.43	-	3.69	3.60	3.47	3.52
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	\$97.79	97.44	97.08	93.02	95.66	\$2.81	2.80	2.75	2.65	2.71
50	<b>WHOLESALE TRADE.....</b>	140.26	140.98	141.15	134.67	137.60	3.56	3.56	3.52	3.35	3.44
501	Motor vehicles & automotive equipment..	-	129.96	129.52	126.67	128.47	-	3.29	3.23	3.12	3.18
502	Drugs, chemicals, and allied products...	-	143.17	141.66	136.93	139.65	-	3.69	3.67	3.52	3.59
503	Dry goods and apparel.....	-	131.65	131.54	123.58	127.25	-	3.52	3.48	3.34	3.43
504	Groceries and related products .....	-	133.73	132.59	124.34	128.40	-	3.36	3.29	3.14	3.21
506	Electrical goods.....	-	139.70	147.49	135.68	138.69	-	3.51	3.43	3.17	3.31
507	Hardware; plumbing & heating equipment	-	135.32	134.64	128.88	131.60	-	3.40	3.40	3.19	3.29
508	Machinery, equipment, and supplies.....	-	153.92	155.09	146.01	150.96	-	3.81	3.82	3.57	3.70
509	Miscellaneous wholesalers.....	-	143.42	142.60	138.85	139.08	-	3.64	3.61	3.48	3.53
52-59	<b>RETAIL TRADE.....</b>	83.92	83.58	83.73	79.49	82.47	2.52	2.51	2.47	2.38	2.44
53	Retail general merchandise .....	-	76.86	78.21	72.30	75.84	-	2.44	2.37	2.31	2.37
531	Department stores .....	-	80.03	81.00	75.15	79.38	-	2.59	2.50	2.44	2.52
532	Mail order houses .....	-	100.23	101.35	85.89	93.86	-	2.59	2.54	2.44	2.53
533	Variety stores .....	-	56.84	61.31	55.94	58.06	-	1.94	1.91	1.89	1.91
54	Food stores.....	-	88.68	88.92	83.84	87.48	-	2.78	2.77	2.62	2.70
541-3	Grocery, meat, and vegetable stores ..	-	90.52	91.09	85.39	89.32	-	2.82	2.82	2.66	2.74
56	Apparel and accessory stores .....	-	72.46	75.44	69.62	72.09	-	2.33	2.30	2.21	2.26
561	Men's & boys' clothing & furnishings ..	-	88.56	91.53	86.53	88.22	-	2.70	2.70	2.56	2.61
562	Women's ready-to-wear stores .....	-	65.32	68.69	62.22	64.16	-	2.17	2.14	2.04	2.09
565	Family clothing stores .....	-	69.63	70.45	67.60	69.89	-	2.11	2.06	2.03	2.08
566	Shoe stores.....	-	71.04	75.84	67.12	72.00	-	2.36	2.40	2.23	2.33
57	Furniture and home furnishings stores...	-	110.83	114.46	106.80	109.15	-	3.02	3.02	2.91	2.95
571	Furniture and home furnishings.....	-	110.47	114.16	106.64	109.07	-	3.01	3.02	2.89	2.94
58	Eating and drinking places <sup>6</sup> .....	-	58.18	58.64	55.13	57.72	-	1.92	1.91	1.79	1.85
52,55,59	Other retail trade.....	-	103.40	102.54	99.15	102.33	-	2.75	2.72	2.63	2.70
52	Building materials and farm equipment	-	112.81	113.76	107.13	111.67	-	2.90	2.88	2.74	2.82
551,2	Motor vehicle dealers .....	-	132.51	130.09	127.08	132.36	-	3.28	3.22	3.13	3.26
553,9	Other automotive & accessory dealers...	-	115.23	114.96	110.70	112.75	-	2.79	2.77	2.70	2.73
591	Drug stores and proprietary stores ...	-	78.08	76.00	71.28	74.41	-	2.41	2.39	2.27	2.34
594	Book and stationery stores .....	-	86.51	87.46	82.41	85.94	-	2.59	2.58	2.46	2.55
598	Fuel and ice dealers.....	-	136.63	131.52	125.21	122.06	-	3.17	3.08	2.96	2.92
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup></b>	117.81	116.71	115.61	111.44	112.98	3.21	3.18	3.15	3.02	3.07
60	Banking .....	-	106.27	104.23	100.91	102.58	-	2.88	2.84	2.72	2.78
61	Credit agencies other than banks .....	-	108.46	107.25	103.02	105.09	-	2.90	2.86	2.74	2.81
612	Savings and loan associations .....	-	106.56	102.85	103.85	102.86	-	2.88	2.81	2.74	2.78
62	Security, commodity brokers & services...	-	180.31	173.07	171.49	168.89	-	4.86	4.64	4.61	4.54
63	Insurance carriers .....	-	124.38	123.98	118.77	121.40	-	3.38	3.36	3.21	3.29
631	Life insurance .....	-	127.04	125.61	121.03	123.71	-	3.49	3.47	3.28	3.38
632	Accident and health insurance .....	-	117.98	115.69	106.95	112.00	-	3.18	3.11	2.93	3.06
633	Fire, marine, and casualty insurance...	-	123.88	124.13	119.68	121.92	-	3.33	3.31	3.20	3.26
-	<b>SERVICES.....</b>	101.96	101.92	101.48	93.98	97.98	2.99	2.98	2.95	2.74	2.84
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels <sup>6</sup> ...	-	68.88	69.76	65.21	67.82	-	2.05	2.07	1.89	1.96
	Personal Services:										
721	Laundries and dry cleaning plants .....	-	78.98	79.74	74.34	77.83	-	2.25	2.24	2.10	2.18
722	Photographic studios .....	-	98.19	97.27	83.54	90.11	-	2.72	2.58	2.38	2.51
	Motion pictures:										
781	Motion picture filming & distributing...	-	189.83	193.83	187.27	183.68	-	4.88	4.87	4.67	4.65

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				
		Feb. 1971 <sup>p</sup>	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Avg. 1970	Feb. 1971 <sup>p</sup>	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Avg. 1970
-	<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>										
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	41.4	41.6	41.8	41.5	-	-	-	-	-
491	Electric companies and systems.....	-	41.4	41.5	41.6	41.8	-	-	-	-	-
492	Gas companies and systems.....	-	41.2	41.1	42.2	41.1	-	-	-	-	-
493	Combination companies and systems..	-	41.5	42.1	41.7	41.6	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	41.4	41.7	41.7	41.6	-	-	-	-	-
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	34.8	34.8	35.3	35.1	35.3	-	-	-	-	-
50	<b>WHOLESALE TRADE.....</b>	39.4	39.6	40.1	40.2	40.0	-	-	-	-	-
501	Motor vehicles & automotive equipment..	-	39.5	40.1	40.6	40.4	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	38.8	38.6	38.9	38.9	-	-	-	-	-
503	Dry goods and apparel.....	-	37.4	37.8	37.0	37.1	-	-	-	-	-
504	Groceries and related products.....	-	39.8	40.3	39.6	40.0	-	-	-	-	-
506	Electrical goods.....	-	39.8	43.0	42.8	41.9	-	-	-	-	-
507	Hardware; plumbing & heating equipment	-	39.8	39.6	40.4	40.0	-	-	-	-	-
508	Machinery, equipment, and supplies....	-	40.4	40.6	40.9	40.8	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.4	39.5	39.9	39.4	-	-	-	-	-
52-59	<b>RETAIL TRADE.....</b>	33.3	33.3	33.9	33.4	33.8	-	-	-	-	-
53	Retail general merchandise.....	-	31.5	33.0	31.3	32.0	-	-	-	-	-
531	Department stores.....	-	30.9	32.4	30.8	31.5	-	-	-	-	-
532	Mail order houses.....	-	38.7	39.9	35.2	37.1	-	-	-	-	-
533	Variety stores.....	-	29.3	32.1	29.6	30.4	-	-	-	-	-
54	Food stores.....	-	31.9	32.1	32.0	32.4	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores...	-	32.1	32.3	32.1	32.6	-	-	-	-	-
56	Apparel and accessory stores.....	-	31.1	32.8	31.5	31.9	-	-	-	-	-
561	Men's & boys' clothing & furnishings..	-	32.8	33.9	33.8	33.8	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	30.1	32.1	30.5	30.7	-	-	-	-	-
565	Family clothing stores.....	-	33.0	34.2	33.3	33.6	-	-	-	-	-
566	Shoe stores.....	-	30.1	31.6	30.1	30.9	-	-	-	-	-
57	Furniture and home furnishings stores..	-	36.7	37.9	36.7	37.0	-	-	-	-	-
571	Furniture and home furnishings.....	-	36.7	37.8	36.9	37.1	-	-	-	-	-
58	Eating and drinking places <sup>6</sup> .....	-	30.3	30.7	30.8	31.2	-	-	-	-	-
52,55,59	Other retail trade.....	-	37.6	37.7	37.7	37.9	-	-	-	-	-
52	Building materials and farm equipment	-	38.9	39.5	39.1	39.6	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	40.4	40.4	40.6	40.6	-	-	-	-	-
553,9	Other automotive & accessory dealers..	-	41.3	41.5	41.0	41.3	-	-	-	-	-
591	Drug stores and proprietary stores...	-	32.4	31.8	31.4	31.8	-	-	-	-	-
594	Book and stationery stores.....	-	33.4	33.9	33.5	33.7	-	-	-	-	-
598	Fuel and ice dealers.....	-	43.1	42.7	42.3	41.8	-	-	-	-	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup>.....</b>	36.7	36.7	36.7	36.9	36.8	-	-	-	-	-
60	Banking.....	-	36.9	36.7	37.1	36.9	-	-	-	-	-
61	Credit agencies other than banks.....	-	37.4	37.5	37.6	37.4	-	-	-	-	-
612	Savings and loan associations.....	-	37.0	36.6	37.9	37.0	-	-	-	-	-
62	Security, commodity brokers & services..	-	37.1	37.3	37.2	37.2	-	-	-	-	-
63	Insurance carriers.....	-	36.8	36.9	37.0	36.9	-	-	-	-	-
631	Life insurance.....	-	36.4	36.2	36.9	36.6	-	-	-	-	-
632	Accident and health insurance.....	-	37.1	37.2	36.5	36.6	-	-	-	-	-
633	Fire, marine, and casualty insurance...	-	37.2	37.5	37.4	37.4	-	-	-	-	-
-	<b>SERVICES.....</b>	34.1	34.2	34.4	34.3	34.5	-	-	-	-	-
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels <sup>6</sup> ...	-	33.6	33.7	34.5	34.6	-	-	-	-	-
	Personal Services:										
721	Laundries & dry cleaning plants.....	-	35.1	35.6	35.4	35.7	-	-	-	-	-
722	Photographic studios.....	-	36.1	37.7	35.1	35.9	-	-	-	-	-
	Motion pictures:										
781	Motion picture filming & distributing..	-	38.9	39.8	40.1	39.5	-	-	-	-	-

<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. May 1970: Average weekly earnings \$170.82, average hourly earnings \$3.90, and average weekly hours 43.8; June 1970: Average weekly earnings \$174.21, average hourly earnings \$3.88, and average weekly hours 44.9. Corrections: Nov. 1969: Average weekly earnings \$164.49 and average weekly hours 43.4; Dec. 1969: Average weekly earnings \$168.30, average hourly earnings \$3.74, and average weekly hours 45.0.

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

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

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

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

<sup>7</sup> Data for nonoffice salesmen excluded from all series in this division.

\* Not available.

<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	1970												
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Avg.
<b>EXECUTIVE BRANCH</b>													
Total employment . . . . .	2,656.6	2,611.1	2,606.6	2,611.9	2,637.4	2,662.9	2,672.7	2,728.6	2,802.0	2,721.7	2,658.3	2,654.1	2,668.7
Average weekly hours . . . . .	42.9	39.7	39.6	39.4	39.2	39.3	38.9	38.2	37.9	38.2	39.5	39.2	39.3
Average overtime hours . . . . .	3.8	.9	1.0	.9	.9	.8	.8	.8	.9	.9	1.0	1.0	1.1
Indexes (1967=100):													
Average weekly earnings . . . . .	149.5	134.8	133.1	131.9	128.8	127.0	127.3	125.8	122.7	118.4	122.5	121.8	128.6
Average hourly earnings . . . . .	137.3	133.8	132.4	131.9	129.5	127.3	128.9	129.7	127.6	122.2	122.4	122.4	128.9
<b>DEPARTMENT OF DEFENSE</b>													
Total employment . . . . .	1,003.8	1,006.8	1,009.1	1,013.4	1,021.9	1,034.5	1,044.7	1,048.1	1,053.4	1,057.3	1,069.1	1,075.7	1,036.5
Average weekly hours . . . . .	40.0	40.2	40.2	39.9	40.0	39.9	39.3	39.7	40.0	40.0	40.0	39.2	39.8
Average overtime hours . . . . .	.8	.8	.8	.8	.7	.7	.8	.7	.7	.8	.8	.8	.8
Indexes (1967=100):													
Average weekly earnings . . . . .	136.8	135.1	132.4	131.4	128.5	127.9	129.4	131.3	129.8	123.9	123.9	121.1	128.9
Average hourly earnings . . . . .	137.9	135.4	132.7	132.7	129.4	129.2	132.7	133.2	130.8	124.8	124.8	124.5	130.5
<b>POST OFFICE DEPARTMENT</b>													
Total employment . . . . .	776.8	725.0	718.0	718.7	723.5	726.8	723.9	716.5	716.0	713.9	724.8	725.2	725.8
Average weekly hours . . . . .	51.3	39.5	39.1	38.9	38.8	38.5	38.7	38.7	39.0	38.0	39.1	39.2	39.9
Average overtime hours . . . . .	11.4	1.2	1.5	.9	.9	.7	.9	1.2	1.6	1.3	1.4	1.6	2.1
Indexes (1967=100):													
Average weekly earnings . . . . .	195.7	136.3	135.6	133.7	132.7	121.6	123.2	123.8	125.4	115.0	118.0	119.2	131.7
Average hourly earnings . . . . .	147.3	133.2	133.8	132.6	132.0	122.0	122.9	123.5	124.1	116.8	116.5	117.4	127.4
<b>OTHER AGENCIES</b>													
Total employment . . . . .	876.0	879.3	879.5	879.8	892.0	901.6	904.1	964.0	1,032.6	950.5	864.4	853.2	906.4
Average weekly hours . . . . .	39.1	39.2	39.2	39.2	38.5	39.2	38.6	36.1	34.9	36.5	39.1	39.2	38.1
Average overtime hours . . . . .	.8	.9	1.0	1.1	.9	1.0	.9	.7	.7	.8	.8	.9	.9
Indexes (1967=100):													
Average weekly earnings . . . . .	134.4	135.0	133.5	133.0	127.7	131.0	129.5	121.6	114.4	116.2	125.5	126.3	129.2
Average hourly earnings . . . . .	133.4	133.7	132.2	131.7	128.7	129.7	130.2	130.7	127.2	123.5	124.5	125.0	126.9

r = revised.

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>				
	Feb. 1971 <sup>p</sup>	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Avg. 1970
<b>MANUFACTURING</b> . . . . .	\$3.40	\$3.39	\$3.35	\$3.17	\$3.24
<b>DURABLE GOODS</b> . . . . .	3.62	3.61	3.57	3.36	3.43
Ordnance and accessories . . . . .	-	3.66	3.66	3.43	3.52
Lumber and wood products . . . . .	-	2.91	2.91	2.72	2.84
Furniture and fixtures . . . . .	-	2.75	2.74	2.62	2.69
Stone, clay, and glass products . . . . .	-	3.37	3.35	3.13	3.23
Primary metal industries . . . . .	-	3.96	3.93	3.70	3.80
Fabricated metal products . . . . .	-	3.56	3.52	3.31	3.39
Machinery, except electrical . . . . .	-	3.76	3.74	3.53	3.63
Electrical equipment and supplies . . . . .	-	3.35	3.34	3.07	3.20
Transportation equipment . . . . .	-	4.24	4.16	3.88	3.93
Instruments and related products . . . . .	-	3.38	3.36	3.15	3.24
Miscellaneous manufacturing industries . . . . .	-	2.87	2.84	2.71	2.75
<b>NONDURABLE GOODS</b> . . . . .	3.10	3.09	3.06	2.90	2.97
Food and kindred products . . . . .	-	3.17	3.12	2.94	3.01
Tobacco manufactures . . . . .	-	2.95	2.93	2.80	2.86
Textile mill products . . . . .	-	2.43	2.43	2.32	2.35
Apparel and other textile products . . . . .	-	2.43	2.41	2.32	2.36
Paper and allied products . . . . .	-	3.38	3.38	3.16	3.26
Printing and publishing . . . . .	(2)	(2)	(2)	(2)	(2)
Chemicals and allied products . . . . .	-	3.69	3.68	3.46	3.56
Petroleum and coal products . . . . .	-	4.25	4.14	4.05	4.09
Rubber and plastics products, n e c . . . . .	-	3.23	3.21	3.01	3.07
Leather and leather products . . . . .	-	2.51	2.49	2.40	2.44

<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		
	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970
<b>TOTAL PRIVATE:</b>									
Current dollars.....	\$122.21	\$122.43	\$120.16	\$ 99.04	\$ 98.16	\$ 96.46	\$107.54	\$106.96	\$105.16
1967 dollars.....	102.53	102.80	103.32	83.09	82.42	82.94	90.22	89.81	90.42
<b>MINING:</b>									
Current dollars.....	169.20	170.25	163.97	135.41	134.17	129.34	145.62	145.33	140.15
1967 dollars.....	141.95	142.95	140.99	113.60	112.65	111.21	122.16	122.02	120.51
<b>CONTRACT CONSTRUCTION:</b>									
Current dollars.....	198.38	203.08	195.23	158.44	158.59	152.99	169.98	172.19	165.87
1967 dollars.....	166.43	170.51	167.87	132.92	133.16	131.55	142.60	144.58	142.62
<b>MANUFACTURING:</b>									
Current dollars.....	138.60	138.45	133.73	111.58	110.16	106.62	120.55	119.66	115.90
1967 dollars.....	116.28	116.25	114.99	93.61	92.49	91.68	101.13	100.47	99.66
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
Current dollars.....	160.80	158.40	155.93	128.76	125.05	123.15	138.61	135.55	133.52
1967 dollars.....	134.90	133.00	134.08	108.02	105.00	105.89	116.28	113.81	114.81
<b>WHOLESALE AND RETAIL TRADE:</b>									
Current dollar.....	97.44	97.08	95.66	80.59	79.12	78.02	88.21	87.00	85.86
1967 dollars.....	81.74	81.51	82.25	67.61	66.43	67.09	74.00	73.03	73.83
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Current dollars.....	116.71	115.61	112.98	94.83	93.05	91.08	103.27	101.56	99.48
1967 dollars.....	97.91	97.07	97.15	79.56	78.31	78.31	86.64	85.27	85.54
<b>SERVICES:</b>									
Current dollars.....	101.92	101.48	97.98	83.93	82.47	79.82	91.74	90.46	87.72
1967 dollars.....	85.50	85.21	84.25	70.41	69.24	68.63	76.96	75.95	75.43
<b>CONSUMER PRICE INDEX</b> (All items, 1967 = 100).....	119.2	119.1	116.3	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

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

**C-6: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities<sup>1</sup>**

Industry	1967 = 100				
	Feb. 1971 <sup>P</sup>	Jan. 1971 <sup>P</sup>	Dec. 1970	Feb. 1970	Avg. 1970
	Man-hours				
<b>TOTAL</b> .....	89.2	90.6	94.8	97.3	97.4
<b>MINING</b> .....	94.4	97.6	101.6	98.3	101.1
<b>CONTRACT CONSTRUCTION<sup>2</sup></b> .....	78.8	83.8	98.2	91.1	102.4
<b>MANUFACTURING</b> .....	90.8	91.6	93.9	98.4	96.4
<b>DURABLE GOODS</b> .....	88.1	88.9	90.9	97.5	94.2
Ordnance and accessories.....	59.0	64.1	65.3	87.3	75.6
Lumber and wood products.....	91.1	88.9	91.4	94.0	95.1
Furniture and fixtures.....	94.2	94.7	99.8	99.3	98.1
Stone, clay, and glass products.....	91.0	92.0	97.9	98.4	100.6
Primary metal industries.....	92.0	91.5	89.9	100.4	96.2
Fabricated metal products.....	91.5	92.9	95.8	100.8	98.2
Machinery, except electrical.....	82.2	82.5	84.5	100.2	92.4
Electrical equipment and supplies.....	87.8	88.8	91.4	98.7	94.9
Transportation equipment.....	89.3	92.0	91.9	90.9	89.1
Instruments and related products.....	88.3	89.0	90.9	99.8	96.1
Miscellaneous manufacturing industries.....	85.0	86.0	92.1	94.5	94.9
<b>NONDURABLE GOODS</b> .....	94.8	95.4	98.3	99.6	99.5
Food and kindred products.....	92.1	93.9	99.5	95.3	100.9
Tobacco manufactures.....	77.6	84.1	95.1	82.8	87.2
Textile mill products.....	95.8	95.2	96.1	99.1	97.3
Apparel and other textile products.....	92.7	92.7	95.3	98.3	96.1
Paper and allied products.....	97.5	98.2	100.3	102.5	101.7
Printing and publishing.....	98.0	98.3	102.0	102.4	101.4
Chemicals and allied products.....	97.7	98.6	100.0	103.6	102.4
Petroleum and coal products.....	98.3	98.3	100.3	98.3	102.5
Rubber and plastics products, nec.....	103.6	102.5	103.2	111.8	107.0
Leather and leather products.....	84.2	86.6	89.1	92.4	90.2
	Payrolls				
<b>MINING</b> .....	118.2	122.4	125.9	116.2	121.8
<b>CONTRACT CONSTRUCTION</b> .....	105.6	111.7	129.7	112.0	130.1
<b>MANUFACTURING</b> .....	112.7	113.3	115.2	114.4	114.4

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract-construction, data relate to construction workers.  
<sup>2</sup>Index for Jan. 1970, incorrectly published in Feb. 1971 issue of Employment and Earnings as 98.6. Correct figure is 87.6.  
p = preliminary.

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

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

Industry	1971		1970										
	Feb. p	Jan. p	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>TOTAL PRIVATE</b> .....	36.9	37.1	37.0	36.9	36.9	36.8	37.2	37.3	37.2	37.1	37.2	37.4	37.3
<b>MINING</b> .....	42.3	42.7	43.0	42.8	42.7	42.0	42.2	42.5	42.4	42.6	43.1	43.2	43.4
<b>CONTRACT CONSTRUCTION</b> .....	36.8	37.2	38.0	37.1	36.9	35.1	37.3	37.4	37.6	38.1	38.3	38.0	38.2
<b>MANUFACTURING</b> .....	39.4	39.8	39.6	39.6	39.4	39.3	39.8	40.1	39.8	39.8	40.0	40.2	39.9
<i>Overtime hours</i> .....	2.8	2.7	2.7	2.7	2.8	2.8	3.0	3.0	3.1	2.9	3.0	3.2	3.2
<b>DURABLE GOODS</b> .....	40.0	40.4	40.1	40.0	39.9	39.8	40.3	40.7	40.4	40.3	40.4	40.7	40.5
<i>Overtime hours</i> .....	2.7	2.7	2.6	2.5	2.6	2.7	2.9	3.1	3.2	3.0	3.0	3.2	3.2
<i>Ordnance and accessories</i> .....	41.2	41.1	40.6	40.2	40.1	39.7	40.4	40.3	40.6	40.8	41.1	41.1	41.3
Lumber and wood products .....	40.2	39.6	39.9	39.9	39.2	39.6	39.8	39.8	39.6	39.7	39.8	39.5	40.1
Furniture and fixtures .....	39.4	39.5	39.6	39.4	39.2	38.3	39.0	39.3	38.9	38.8	39.3	39.4	39.3
Stone, clay, and glass products .....	41.3	41.1	41.4	41.1	41.0	40.9	41.0	41.2	41.1	41.3	41.6	41.8	41.7
Primary metal industries .....	40.8	40.4	39.9	39.6	39.9	40.9	40.4	40.7	40.4	40.2	40.1	40.7	40.9
Fabricated metal products .....	40.1	40.5	40.3	40.0	40.1	39.8	40.6	41.3	40.9	40.6	40.9	41.2	41.1
Machinery, except electrical .....	40.0	40.3	40.4	40.6	40.4	40.1	40.9	41.1	41.1	41.1	41.4	41.8	41.9
Electrical equipment and supplies .....	39.2	39.9	39.7	39.6	39.7	39.2	39.9	40.4	39.5	39.7	40.0	40.2	39.7
Transportation equipment .....	41.0	41.3	40.2	39.9	39.8	39.8	40.7	41.2	41.6	40.3	39.7	40.4	40.3
Instruments and related products .....	39.5	39.8	39.6	40.0	39.8	39.4	40.0	40.3	40.2	40.1	40.5	40.7	40.2
Miscellaneous manufacturing industries .....	37.7	38.9	38.8	38.6	38.3	38.1	38.6	39.1	38.6	38.7	39.0	39.0	38.6
<b>NONDURABLE GOODS</b> .....	38.8	39.2	39.1	38.9	38.9	38.6	39.1	39.3	39.0	39.1	39.4	39.4	39.3
<i>Overtime hours</i> .....	2.8	2.9	2.9	2.8	2.8	2.8	3.0	2.9	3.0	3.0	3.0	3.2	3.2
Food and kindred products .....	40.7	40.7	40.5	40.4	40.5	40.0	40.7	40.2	40.3	40.7	40.6	40.5	40.7
Tobacco manufactures .....	37.9	39.3	39.0	38.4	38.1	36.1	37.4	37.9	37.4	37.1	38.3	37.5	37.3
Textile mill products .....	40.4	40.5	39.7	39.6	39.6	38.8	39.9	40.3	40.0	39.8	40.6	40.2	40.1
Apparel and other textile products .....	34.4	35.2	35.4	35.4	34.9	34.2	35.1	35.5	35.2	35.1	35.5	35.6	35.5
Paper and allied products .....	41.9	42.0	41.5	41.6	41.7	41.4	41.7	41.7	41.6	41.8	42.1	42.2	42.3
Printing and publishing .....	37.5	37.7	37.6	37.5	37.4	37.4	37.6	37.9	37.7	37.7	37.9	38.0	38.0
Chemicals and allied products .....	41.3	41.6	41.4	41.3	41.3	42.0	41.3	41.5	41.5	41.5	41.4	41.8	41.8
Petroleum and coal products .....	43.1	42.8	43.5	43.0	43.2	43.0	43.1	42.6	42.6	42.5	41.9	42.2	42.7
Rubber and plastics products, nec .....	40.2	40.0	39.5	39.4	39.6	40.0	40.4	40.8	40.4	40.0	40.7	40.7	41.0
Leather and leather products .....	36.1	37.0	37.3	37.1	37.0	36.5	36.8	37.6	37.6	37.7	37.4	37.4	37.1
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.2	40.3	39.9	40.2	40.5	40.5	40.6	40.7	40.6	40.6	40.2	40.6	40.7
<b>WHOLESALE AND RETAIL TRADE</b> .....	35.2	35.1	35.1	35.3	35.3	35.2	35.4	35.4	35.4	35.4	35.3	35.3	35.4
<b>WHOLESALE TRADE</b> .....	39.6	39.7	39.9	39.8	39.9	39.7	39.9	40.0	39.9	40.1	40.1	40.1	40.2
<b>RETAIL TRADE</b> .....	33.7	33.7	33.6	33.8	33.8	33.8	33.9	33.9	33.8	33.9	33.7	33.8	33.7
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.7	36.7	36.6	36.8	36.7	36.7	36.9	36.8	36.7	36.8	36.9	37.0	37.0
<b>SERVICES</b> .....	34.2	34.3	34.4	34.4	34.4	34.5	34.7	34.6	34.4	34.5	34.4	34.7	34.4

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

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED**
**C-8: Indexes of aggregate weekly man-hours in industrial and construction activities<sup>1</sup>**  
**seasonally adjusted**

1967 = 100

Industry	1971		1970										
	Feb. <sup>p</sup>	Jan. <sup>p</sup>	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>TOTAL</b> .....	92.9	94.3	94.6	92.1	92.4	94.6	96.6	97.9	97.9	98.3	100.3	101.6	101.5
<b>MINING</b> .....	99.7	101.3	101.8	101.7	100.8	99.0	99.0	99.7	99.9	100.2	102.2	102.9	103.6
<b>CONTRACT CONSTRUCTION</b> .....	94.3	97.7	103.0	100.0	98.6	93.1	100.8	101.4	102.1	104.4	107.8	108.6	109.0
<b>MANUFACTURING</b> .....	92.5	93.4	92.9	90.4	91.1	94.7	95.8	97.2	97.1	97.1	99.0	100.3	100.1
<b>DURABLE GOODS</b> .....	89.2	90.0	89.6	85.7	86.9	92.9	93.9	95.5	95.6	95.7	97.5	99.4	98.7
Ordnance and accessories .....	59.5	62.8	63.7	65.3	67.3	69.9	71.7	72.7	76.5	79.2	80.9	85.4	88.1
Lumber and wood products .....	95.9	93.7	93.3	94.1	93.0	93.9	93.6	93.6	93.9	95.3	96.1	96.7	98.9
Furniture and fixtures .....	96.3	96.6	96.8	97.1	96.9	95.4	95.8	96.8	95.6	96.1	100.2	101.5	101.3
Stone, clay, and glass products .....	97.1	97.6	99.3	97.8	98.6	99.3	98.6	98.9	99.8	100.5	102.4	103.9	104.7
Primary metal industries .....	92.2	91.9	90.7	89.2	92.1	98.3	95.7	96.5	95.9	95.7	96.6	99.4	100.7
Fabricated metal products .....	92.9	94.0	94.1	90.1	91.9	97.2	98.5	100.0	98.9	98.5	101.0	102.5	102.5
Machinery, except electrical .....	81.4	82.4	83.8	84.9	85.5	88.2	90.4	92.8	93.2	94.5	97.1	99.1	99.3
Electrical equipment and supplies .....	87.6	88.8	88.8	88.0	90.6	92.8	95.1	98.0	96.4	96.7	98.8	100.1	98.5
Transportation equipment .....	90.1	91.4	87.8	68.0	68.6	90.2	92.2	93.7	96.0	93.6	94.1	96.7	91.7
Instruments and related products .....	88.4	89.4	89.3	90.9	91.5	92.6	94.3	96.4	96.9	98.7	100.7	101.2	100.0
Miscellaneous manufacturing industries .....	89.3	92.7	93.1	90.3	90.7	92.0	93.5	95.0	94.6	95.4	97.1	99.1	99.2
<b>NONDURABLE GOODS</b> .....	97.2	98.3	97.7	97.4	97.1	97.3	98.5	99.8	99.4	99.2	101.2	101.7	102.1
Food and kindred products .....	100.6	100.2	99.8	99.3	98.8	98.3	100.4	99.6	100.8	101.9	101.8	103.0	104.0
Tobacco manufactures .....	81.2	86.9	84.9	86.3	84.3	79.8	90.6	89.2	88.0	88.6	90.1	88.2	87.7
Textile mill products .....	96.8	97.3	94.9	94.3	94.6	93.7	96.1	97.3	96.9	97.6	100.5	99.6	100.0
Apparel and other textile products .....	92.0	95.6	95.9	95.4	93.7	92.9	95.0	97.5	95.9	95.0	97.3	97.7	97.7
Paper and allied products .....	99.6	99.8	98.8	99.4	99.1	99.8	100.0	100.7	101.4	102.3	104.0	104.6	104.6
Printing and publishing .....	98.8	100.1	100.3	99.7	99.6	100.2	100.1	101.5	100.8	101.1	102.6	103.3	103.3
Chemicals and allied products .....	98.7	100.6	100.1	100.2	101.2	103.4	101.0	102.0	101.7	102.2	102.6	104.1	104.6
Petroleum and coal products .....	104.0	103.3	103.2	102.0	102.5	101.1	103.1	102.8	102.8	102.5	101.1	102.7	103.9
Rubber and plastics products, nec .....	105.2	103.3	100.8	100.5	102.0	106.2	106.5	110.3	106.8	100.3	111.5	112.2	113.3
Leather and leather products .....	83.2	86.5	86.9	87.1	87.8	86.9	88.0	92.5	92.8	92.4	92.0	91.6	91.2

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

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

Industry division	Annual rate, millions of man-hours <sup>1</sup>			Percent change <sup>2</sup>		
	February 1971 p	January 1971 p	December 1970	January 1971 to February 1971	December 1970 to January 1971	February 1971 to February 1970
<b>TOTAL - ALL INDUSTRIES</b> .....	136,634	137,661	137,324	- 8.6	3.0	- 2.2
<b>TOTAL - PRIVATE</b> .....	110,985	111,603	111,076	- 6.4	5.8	- 2.9
<b>MINING</b> .....	1,366	1,388	1,398	-17.4	- 8.3	- 3.3
<b>CONTRACT CONSTRUCTION</b> .....	6,055	6,260	6,558	-32.9	-42.8	-12.1
<b>MANUFACTURING</b> .....	38,388	38,823	38,745	-12.6	2.4	- 6.9
<b>TRANSPORTATION AND PUBLIC   UTILITIES</b> .....	9,367	9,359	9,206	1.0	21.9	- 1.6
<b>WHOLESALE AND RETAIL TRADE</b> .....	27,710	27,613	27,106	4.3	24.9	0.4
<b>FINANCE, INSURANCE, AND REAL   ESTATE</b> .....	7,141	7,155	7,086	- 2.3	12.3	1.6
<b>SERVICES</b> .....	20,958	21,005	20,977	- 2.7	1.6	1.6
<b>GOVERNMENT</b> .....	25,649	26,058	26,248	-17.3	- 8.4	0.9

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

p= preliminary.

**OUTPUT PER MAN-HOUR  
SEASONALLY ADJUSTED**

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

(Indexes 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
1968: 1st quarter	102.8	102.8	100.9	100.9	101.9	101.9	104.8	104.7	102.4	102.4	102.9	102.8	101.0	101.2	102.1	102.2
2d quarter	104.6	104.9	101.8	102.0	102.7	102.8	106.4	106.2	102.7	102.6	103.5	103.3	102.6	102.8	103.2	103.1
3d quarter	105.7	106.0	102.3	102.7	103.3	103.2	108.5	108.0	103.5	103.1	105.1	104.7	102.3	102.7	104.0	103.9
4th quarter	106.5	106.7	102.6	103.0	103.8	103.6	110.7	110.3	104.5	104.0	106.7	106.5	102.6	102.7	105.1	105.1
Annual average	104.9	105.1	101.9	102.1	102.9	102.9	107.6	107.3	103.3	103.0	104.6	104.3	102.1	102.3	103.6	103.6
1969: 1st quarter	107.2	107.4	103.5	104.1	103.6	103.2	112.4	111.8	104.8	104.2	108.5	108.3	103.0	103.0	106.3	106.3
2d quarter	107.8	108.2	104.3	105.0	103.4	103.1	114.0	113.4	104.5	103.9	110.3	110.0	103.4	103.0	107.6	107.3
3d quarter	108.5	108.9	104.5	105.5	103.8	103.2	116.3	115.4	105.1	104.3	112.1	111.8	103.7	103.4	108.8	108.6
4th quarter	108.2	108.7	104.1	105.2	104.0	103.3	118.8	117.5	105.9	104.7	114.3	113.8	103.5	103.2	110.1	109.7
Annual average	107.9	108.3	104.1	104.9	103.7	103.2	115.4	114.5	105.1	104.3	111.3	111.0	103.3	103.2	108.2	108.0
1970: 1st quarter	107.4	107.9	103.9	105.2	103.3	102.6	120.8	119.4	106.0	104.8	116.9	116.4	102.9	102.2	111.5	111.0
2d quarter	107.6	108.0	103.1	104.3	104.3	103.6	122.4	121.2	105.7	104.7	117.3	117.0	105.1	104.6	112.6	112.3
3d quarter	108.0	108.5	102.5	103.6	105.4	104.7	124.7	123.5	106.5	105.5	118.3	117.9	107.0	106.7	113.9	113.7
4th quarter	106.8	107.0	101.3	102.6	105.4	104.3	126.6	125.2	106.8	105.6	120.2	120.0	108.2	108.6	115.5	115.7
Annual average	107.4	107.9	102.7	103.9	104.6	103.8	123.6	122.3	106.2	105.1	118.2	117.8	105.8	105.5	113.4	113.2
1971: 1st quarter																
2d quarter																
3d quarter																
4th quarter																
Annual average																
Percent change over previous quarter at annual rate <sup>4</sup>																
1968: 1st quarter	6.1	6.2	1.1	1.5	4.9	4.6	11.2	10.6	6.7	6.2	6.0	5.7	-0.8	0.0	3.3	3.5
2d quarter	7.2	8.2	3.7	4.2	3.4	3.9	6.1	5.7	1.3	0.9	2.6	1.8	6.6	6.4	4.1	3.5
3d quarter	4.3	4.2	2.0	2.8	2.2	1.4	8.4	7.0	3.1	1.9	6.0	5.5	-1.0	-0.4	3.3	3.2
4th quarter	3.1	2.8	1.2	1.3	1.8	1.4	8.5	8.7	3.6	3.8	6.5	7.2	1.1	0.4	4.4	4.6
1969: 1st quarter	2.8	2.6	3.4	4.2	-0.5	-1.5	6.2	5.5	1.2	0.5	6.7	7.1	1.4	1.1	4.7	4.8
2d quarter	2.1	3.1	3.3	3.6	-1.1	-0.4	5.9	5.8	-0.9	-1.0	7.1	6.3	1.5	0.0	4.9	3.9
3d quarter	2.5	2.5	0.9	1.9	1.6	0.6	8.2	7.3	2.3	1.4	6.5	6.6	1.1	1.5	4.5	4.7
4th quarter	-1.0	-0.6	-1.8	-1.0	0.8	0.3	8.8	7.7	3.0	1.9	8.0	7.3	-0.8	-1.0	4.7	4.3
1970: 1st quarter	-3.0	-2.9	-0.5	-0.1	-2.5	-2.9	6.8	6.6	0.5	0.3	9.6	9.8	-2.0	-3.8	5.3	4.8
2d quarter	0.7	0.4	-3.0	-3.3	3.7	3.9	5.3	5.9	-1.1	-0.6	1.5	1.9	8.6	9.8	4.1	4.6
3d quarter	1.6	1.7	-2.6	-2.7	4.3	4.5	7.7	7.9	3.1	3.2	3.3	3.2	7.3	8.5	4.7	5.0
4th quarter	-4.4	-5.2	-4.4	-3.9	0.1	-1.4	6.5	5.9	1.1	0.5	6.5	7.4	4.7	6.9	5.8	7.2
1971: 1st quarter																
2d quarter																
3d quarter																
4th quarter																
Percent change over previous year <sup>5</sup>																
Year ending -																
1970: 1st quarter	0.2	0.5	0.5	1.1	-0.3	-0.6	7.4	6.8	1.2	0.6	7.8	7.5	0.0	-0.8	4.8	4.4
2d quarter	-0.2	-0.2	-1.1	-0.6	0.9	0.5	7.3	6.9	1.2	0.8	6.3	6.4	1.7	1.5	4.6	4.6
3d quarter	-0.4	-0.4	-2.0	-1.8	1.6	1.4	7.2	7.0	1.4	1.2	5.5	5.5	3.2	3.2	4.7	4.7
4th quarter	-1.3	-1.5	-2.6	-2.5	1.4	1.0	6.6	6.6	0.9	0.8	5.2	5.5	4.6	5.2	5.0	5.4
1971: 1st quarter																
2d quarter																
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.

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

## EMPLOYEE COMPENSATION DATA SEASONALLY ADJUSTED

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

Measure	Percent change over 4-quarter period <sup>1</sup> ending in--								
	1970				1969				1968
	Dec.	Sept.	June	Mar.	Dec.	Sept.	June	Mar.	Dec.
Average hourly compensation:									
All persons, total private economy	6.6	7.2	7.3	7.4	7.3	7.2	7.2	7.3	8.5
All employees, private nonfarm economy	6.7	7.0	6.8	6.8	6.6	6.8	6.7	6.6	7.9
Average hourly earnings, private nonfarm economy <sup>2</sup>									
Mining	5.3	6.0	6.0	6.4	7.1	7.0	6.8	6.6	7.0
Contract construction	6.4	6.5	6.6	6.9	7.9	7.7	7.4	7.1	6.4
Manufacturing	8.7	9.5	9.0	10.2	9.7	8.9	8.5	6.6	7.1
Excluding effects of overtime and interindustry employment shifts	4.4	5.5	5.6	5.6	6.0	6.5	5.9	6.0	7.1
Transportation and public utilities	6.4P	6.7	6.5	6.1	5.9	6.1	5.7	5.8	6.6
Wholesale and retail trade	6.5	6.1	5.3	5.8	5.9	6.3	6.2	6.4	6.6
Finance, insurance, and real estate	5.5	6.2	6.1	6.6	6.6	6.3	6.0	6.6	7.4
Services	5.5	5.3	4.6	5.0	5.4	5.4	6.4	8.1	7.2
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	8.3	8.3	7.8	8.2	8.0	7.6	8.6	7.7	7.1
Average union scales, 7 building trades:									
Wages and selected benefits	(*)	10.4	14.8	9.8	9.6	10.4	7.5	6.9	6.2
Hourly wage rates	13.0	12.7	12.9	10.1	10.6	9.4	9.8	9.1	8.4
Wage rates, hired farm labor	11.9	11.7	11.8	9.1	9.4	8.5	8.7	7.7	6.9
Average weekly earnings, private nonfarm economy: <sup>2</sup>									
Current dollars	5.6	6.2	5.1	4.5	6.6	6.6	9.0	10.7	10.9
1967 dollars	3.6	4.3	4.4	5.7	6.6	6.4	6.7	6.2	6.3
Real spendable earnings (worker and 3 dependents, 1967 dollars)	-2.0	-1.4	-1.6	-5	.7	.7	1.2	1.3	1.6
	-1.5	-.9	-1.3	-.4	-.5	-.7	-.2	-.2	-.5

<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.

\* Not available.

P<sup>n</sup> preliminary.

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

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

Measure	Percent change over previous quarter at annual rate								
	1970				1969				1968
	Dec.	Sept.	June	Mar.	Dec.	Sept.	June	Mar.	Dec.
Average hourly compensation:									
All persons, total private economy	6.5	7.7	5.3	6.8	8.8	8.2	5.9	6.2	8.5
All employees, private nonfarm economy	6.4	8.0	5.9	6.4	7.5	7.3	5.8	5.7	8.5
Average hourly earnings, private nonfarm economy <sup>1</sup>									
Mining	4.6	6.8	6.1	3.9	7.1	6.8	7.9	6.6	6.7
Contract construction	7.1	6.8	4.3	7.4	7.6	7.3	5.4	11.3	6.9
Manufacturing	7.8	11.3	7.9	8.0	10.9	9.0	12.8	6.3	7.7
Excluding effects of overtime and interindustry employment shifts	.8	7.4	6.2	3.3	5.1	7.8	6.1	4.8	7.2
Transportation and public utilities	4.6P	7.5	7.3	6.1	5.8	6.9	5.6	5.4	6.7
Wholesale and retail trade	5.2	11.0	5.1	4.8	3.7	7.6	7.3	5.0	5.1
Finance, insurance, and real estate	4.5	8.7	3.6	5.2	7.4	8.2	5.5	5.5	6.2
Services	7.5	8.2	.4	5.9	7.0	5.2	1.9	7.8	6.9
Average hourly earnings, all Federal executive branch employees <sup>2</sup>	9.7	7.3	6.4	9.7	9.9	5.2	8.1	8.8	8.4
Average union scales, 7 building trades:									
Wages and selected benefits	(*)	2.6	5.3	1.7	3.7	4.7	2.5	1.1	4.5
Hourly wage rates	12.5	8.5	24.9	7.1	11.2	9.3	13.0	9.0	6.4
Wage rates, hired farm labor	10.2	7.8	22.5	7.6	9.6	8.0	11.3	8.7	6.1
Average weekly earnings, private nonfarm economy: <sup>1</sup>	(3)	15.4	7.6	(3)	2.5	10.6	5.3	8.1	2.7
Current dollars									
1967 dollars	2.5	5.8	3.1	2.9	5.4	6.1	8.3	6.4	4.7
Real spendable earnings (worker and 3 dependents, 1967 dollars)	-3.1	1.8	-2.8	-3.8	-.6	.9	1.6	.9	-.6
	-3.3	1.1	-2.8	-1.0	-1.1	-.1	.5	-1.4	-1.6

<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>3</sup> Less than 0.05 percent.

\* Not available.

P<sup>n</sup> preliminary.

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

**EMPLOYEE COMPENSATION DATA  
SEASONALLY ADJUSTED**

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

Measure	Percent change at annual rate over 12-month period <sup>1</sup> ending in--												
	1971		1970										
	Feb. <sup>P</sup>	Jan. <sup>P</sup>	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
Average hourly earnings, private nonfarm economy <sup>2</sup>	6.0	6.4	5.7	5.1	5.1	5.8	6.2	5.9	5.6	6.0	6.3	6.7	6.4
Mining	5.9	6.4	6.5	6.5	6.3	6.6	6.6	6.4	7.3	6.1	6.5	6.8	6.8
Contract construction	8.9	8.1	8.0	9.1	9.1	8.8	10.4	9.4	9.0	8.2	9.6	9.2	10.8
Manufacturing	6.7	6.4	5.5	4.0	3.7	5.6	5.3	5.6	5.7	5.7	5.4	5.8	5.5
Excluding effects of overtime and interindustry employment shifts	(*)	6.9	7.0 <sup>P</sup>	6.1	5.9	6.9	6.5	6.6	6.6	6.5	6.3	6.3	5.9
Transportation and public utilities	7.5	7.2	6.7	6.2	6.5	6.0	6.3	6.0	6.1	5.0	4.7	5.9	5.7
Wholesale and retail trade	4.9	5.7	5.3	5.3	5.7	6.2	6.2	6.3	5.9	5.9	6.4	6.8	6.4
Finance, insurance, and real estate	5.6	5.3	5.7	5.0	5.7	5.4	5.4	5.2	3.8	4.8	5.2	5.2	4.9
Services	8.0	8.8	8.5	8.1	8.2	8.6	8.7	7.6	7.6	7.7	8.1	8.5	7.8
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	(*)	(*)	(*)	(*)	9.9	9.9	9.9	11.4	15.2	14.8	14.5	9.7	9.7
Average weekly earnings, private nonfarm economy: <sup>2</sup>													
Current dollars	4.9	5.2	4.1	3.1	3.5	3.3	4.8	4.8	4.2	4.3	4.6	5.9	5.9
1967 dollars	(*)	.3	-1.3	-2.3	-2.2	-2.3	-.8	-1.1	-1.7	-1.8	-1.3	-.1	-.5
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	.2	-.9	-1.8	-1.8	-1.8	-.4	-.7	-1.3	-1.4	-1.0	-.2	-.4

1 Current month divided by same month a year earlier.  
 2 Production and nonsupervisory workers.  
 3 Computed from data that are not seasonally adjusted. Actual percent change rather than annual rate of change is shown where change is affected by a general salary adjustment.  
 \* Not available.  
 P<sup>o</sup> preliminary.  
 NOTE: See technical description at end of table C-15.

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

Measure	Percent change at annual rate over 6-month period <sup>1</sup> ending in--												
	1971		1970										
	Feb. <sup>P</sup>	Jan. <sup>P</sup>	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
Average hourly earnings, private nonfarm economy <sup>2</sup>	5.0	6.3	7.0	5.1	5.1	5.7	7.1	6.5	4.5	5.2	5.2	5.9	5.3
Mining	5.8	7.4	5.8	8.1	7.0	5.3	5.9	5.4	7.2	4.9	5.5	7.8	7.3
Contract construction	6.1	8.2	8.3	11.2	9.2	8.8	11.8	8.1	7.7	7.0	9.1	8.8	8.9
Manufacturing	6.0	6.6	6.0	3.0	3.0	6.8	7.5	6.2	4.9	5.0	4.4	4.4	3.1
Excluding effects of overtime and interindustry employment shifts	(*)	6.6	7.3 <sup>P</sup>	5.1	5.7	7.3	7.7	7.2	6.7	7.1	6.2	6.4	5.4
Transportation and public utilities	5.7	7.4	6.9	8.1	9.2	7.6	9.3	7.1	6.6	4.4	3.8	4.4	3.3
Wholesale and retail trade	3.7	5.2	6.8	6.1	6.9	6.1	6.1	6.2	3.8	4.6	4.7	6.3	6.3
Finance, insurance, and real estate	5.9	6.6	8.8	7.4	7.4	3.3	5.4	4.0	2.7	2.7	4.1	7.6	5.5
Services	8.6	10.9	8.7	9.5	7.3	6.5	7.4	6.7	8.3	6.7	9.2	10.8	10.1
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	(*)	(*)	(*)	(*)	3.8	7.9	6.0	4.0	4.6	6.7	5.9	3.7	3.7
Average weekly earnings, private nonfarm economy: <sup>2</sup>													
Current dollars	3.9	5.0	5.5	3.5	3.4	2.0	5.8	5.5	2.7	2.8	3.5	4.6	3.8
1967 dollars	(*)	.6	.4	-.9	-1.4	-2.6	1.0	.1	-3.0	-3.8	-3.1	-2.0	-2.5
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	.9	-.4	-1.2	-1.7	-2.4	.4	-.4	-1.4	-2.5	-1.8	-1.1	-1.1

1 Current month divided by month 6 months earlier.  
 2 Production and nonsupervisory workers.  
 3 Computed from data that are not seasonally adjusted. Actual percent change rather than annual rate of change is shown where change is affected by a general salary adjustment.  
 \* Not available.  
 P<sup>o</sup> preliminary.  
 NOTE: See technical description at end of table C-15.



**EMPLOYEE COMPENSATION DATA  
SEASONALLY ADJUSTED**

**C-15: Average hourly or weekly compensation,<sup>1</sup> seasonally adjusted**

Measure	1971		1970										
	1st quarter		4th quarter			3d quarter			2d quarter			1st quarter	
	Feb. <sup>P</sup>	Jan. <sup>P</sup>	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
Average hourly compensation:													
All persons, total private economy quarterly indexes (1967 = 100) . . . . .	-	-	-	126.7	-	-	124.7	-	-	122.4	-	-	120.8
All employees, private nonfarm economy quarterly indexes (1967 = 100) . . . . .	-	-	-	125.4	-	-	123.4	-	-	121.1	-	-	119.4
Average hourly earnings, private nonfarm economy: <sup>2</sup>													
Mining . . . . .	\$3.34	\$3.33	\$3.32	\$3.28	\$3.27	\$3.27	\$3.26	\$3.23	\$3.21	\$3.20	\$3.19	\$3.18	\$3.15
Contract construction . . . . .	3.98	3.98	3.94	3.95	3.91	3.89	3.87	3.84	3.83	3.80	3.78	3.79	3.76
Manufacturing . . . . .	5.49	5.45	5.40	5.40	5.37	5.30	5.35	5.24	5.19	5.12	5.14	5.08	5.04
Excluding effects of overtime and interindustry employment shifts monthly indexes (1967 = 100) . . . . .	3.50	3.49	3.46	3.39	3.37	3.42	3.40	3.38	3.36	3.34	3.32	3.31	3.28
Transportation . . . . .	(*)	124.0	P 123.6	121.8	121.1	121.5	120.8	120.1	119.3	118.8	117.8	117.3	116.4
Wholesale and retail trade . . . . .	\$4.02	\$4.01	\$3.97	\$3.94	\$3.93	\$3.91	\$3.91	\$3.87	\$3.84	\$3.79	\$3.76	\$3.77	\$3.74
Finance, insurance, and real estate . . . . .	2.79	2.79	2.78	2.76	2.76	2.75	2.74	2.72	2.69	2.68	2.67	2.67	2.66
Services . . . . .	3.19	3.16	3.16	3.14	3.13	3.10	3.10	3.06	3.03	3.03	3.02	3.05	3.02
Average hourly earnings, all Federal executive branch employees, <sup>3</sup> monthly indexes (1967 = 100) . . . . .	2.98	2.98	2.94	2.94	2.90	2.89	2.86	2.83	2.82	2.81	2.80	2.80	2.76
Average union scales, 7 building trades:													
Wages and selected benefits, quarterly indexes (July 1967 = 100) . . . . .	(*)	(*)	(*)	(*)	132.4	131.9	129.5	127.3	128.9	129.7	127.6	122.2	122.2
Hourly wage rates, quarterly indexes (July 1967 = 100) . . . . .	-	137.8	-	-	133.8	-	-	131.1	-	-	124.0	-	-
Wage rates, hired farm labor . . . . .	-	132.9	-	-	129.7	-	-	127.3	-	-	121.0	-	-
Average weekly earnings, private nonfarm economy: <sup>2</sup>													
Current dollars . . . . .	123.60	123.32	122.55	120.83	120.64	120.17	121.23	120.37	119.33	118.76	118.65	118.99	117.85
1967 dollars . . . . .	(*)	103.53	102.80	102.07	102.25	102.47	103.80	103.24	102.60	102.54	102.99	103.82	103.26
Real spendable earnings (worker and 3 dependents, 1967 dollars) . . . . .	(*)	90.76	89.72	89.35	89.49	89.74	90.71	90.36	89.90	89.87	90.27	90.85	90.55

<sup>1</sup> Series are in dollars except where index base is shown. <sup>2</sup> Production and nonsupervisory workers. <sup>3</sup> Not seasonally adjusted. \* Not available. p= preliminary.

**Technical description covering tables C-11 through C-15**

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

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970	Jan. 1971 P	Dec. 1970	Jan. 1970
ALABAMA .....	(*)	\$119.48	\$112.68	(*)	40.5	40.1	(*)	\$2.95	\$2.81
Birmingham .....	(*)	139.49	133.65	(*)	40.2	40.5	(*)	3.47	3.30
Mobile <sup>1</sup> .....	\$139.86	136.08	131.75	41.5	40.5	41.3	\$3.37	3.36	3.19
ALASKA .....	(*)	200.83	187.20	(*)	38.4	39.0	(*)	5.23	4.80
ARIZONA .....	139.74	139.84	132.76	39.7	40.3	40.6	3.52	3.47	3.27
Phoenix .....	142.20	141.91	134.46	39.5	40.2	40.5	3.60	3.53	3.32
Tucson .....	136.02	139.70	129.69	39.2	39.8	39.3	3.47	3.51	3.30
ARKANSAS <sup>1</sup> .....	102.80	101.75	97.12	40.0	39.9	40.3	2.57	2.55	2.41
Fort Smith .....	96.62	93.45	91.18	39.6	38.3	39.3	2.44	2.44	2.32
Little Rock-North Little Rock .....	109.47	109.73	101.77	40.1	39.9	39.6	2.73	2.75	2.57
Pine Bluff .....	132.03	129.85	121.88	40.5	40.2	40.9	3.26	3.23	2.98
CALIFORNIA .....	154.05	155.62	148.08	39.1	39.7	39.7	3.94	3.92	3.73
Anaheim-Santa Ana-Garden Grove .....	153.22	155.88	150.96	39.9	40.7	40.8	3.84	3.83	3.70
Bakersfield .....	153.66	150.14	153.56	39.4	39.1	40.2	3.90	3.84	3.82
Fresno .....	132.21	131.29	120.01	38.1	38.5	38.7	3.47	3.41	3.27
Los Angeles-Long Beach .....	150.11	150.84	144.76	39.4	39.8	40.1	3.81	3.79	3.61
Modesto-Turlock .....	129.56	129.34	124.50	36.6	37.6	37.5	3.54	3.44	3.32
Oxnard-Ventura .....	134.19	136.02	126.49	37.8	38.1	38.1	3.55	3.57	3.32
Sacramento .....	158.53	161.93	153.09	37.3	38.1	37.8	4.25	4.25	4.05
Salinas-Monterey .....	138.26	132.48	130.47	38.3	38.4	37.6	3.61	3.45	3.47
San Bernardino-Riverside-Ontario .....	150.51	156.40	141.87	39.4	40.0	39.3	3.82	3.91	3.61
San Diego .....	167.51	168.40	162.00	39.6	40.0	40.4	4.23	4.21	4.01
San Francisco-Oakland .....	169.79	171.65	161.44	38.5	39.1	38.9	4.41	4.39	4.15
San Jose .....	164.72	166.83	156.81	39.5	40.2	39.8	4.17	4.15	3.94
Santa Barbara .....	142.03	135.97	140.23	38.7	38.3	39.5	3.67	3.55	3.55
Santa Rosa .....	140.61	138.70	128.82	37.9	38.0	36.7	3.71	3.65	3.51
Stockton .....	159.08	161.18	146.64	38.8	39.7	39.0	4.10	4.06	3.76
Vallejo-Napa .....	143.19	145.08	135.79	37.0	37.2	37.1	3.87	3.90	3.66
COLORADO .....	142.71	143.78	138.45	40.2	40.5	40.6	3.55	3.55	3.41
Denver .....	149.11	150.92	142.10	40.3	40.9	40.6	3.70	3.69	3.50
CONNECTICUT .....	141.91	142.91	140.61	40.2	40.6	41.6	3.53	3.52	3.38
Bridgeport .....	142.04	143.47	143.79	39.9	40.3	41.8	3.56	3.56	3.44
Hartford .....	154.54	155.54	153.72	41.1	41.7	42.7	3.76	3.73	3.60
New Britain .....	137.97	140.38	146.72	39.1	40.1	42.9	3.53	3.50	3.42
New Haven .....	139.55	142.00	137.57	39.2	40.0	40.7	3.56	3.55	3.38
Stamford .....	150.63	154.01	149.88	40.6	41.4	42.1	3.71	3.72	3.56
Waterbury .....	136.45	134.64	130.72	41.1	40.8	41.5	3.32	3.30	3.15
DELAWARE .....	(*)	145.96	127.54	(*)	40.1	38.3	(*)	3.64	3.33
Wilmington .....	(*)	161.20	140.59	(*)	40.3	38.1	(*)	4.00	3.69
DISTRICT OF COLUMBIA :									
Washington SMSA .....	150.93	154.45	141.33	38.7	39.3	38.3	3.90	3.93	3.69
FLORIDA .....	124.38	124.15	115.36	41.6	41.8	41.2	2.99	2.97	2.80
Fort Lauderdale-Hollywood .....	134.81	135.70	123.32	41.1	41.5	40.3	3.28	3.27	3.06
Jacksonville .....	(*)	124.24	113.20	(*)	40.6	40.0	(*)	3.06	2.83
Miami .....	119.18	117.09	107.44	40.4	40.1	39.5	2.95	2.92	2.72
Orlando .....	(*)	121.38	117.33	(*)	42.0	40.6	(*)	2.89	2.89
Pensacola .....	(*)	139.81	132.60	(*)	41.0	40.8	(*)	3.41	3.25
Tampa-St. Petersburg .....	(*)	130.42	121.93	(*)	41.8	41.9	(*)	3.12	2.91
West Palm Beach .....	138.60	141.97	142.14	44.0	46.7	46.3	3.15	3.04	3.07
GEORGIA <sup>1</sup> .....	109.69	110.83	102.43	39.6	40.3	38.8	2.77	2.75	2.64
Atlanta <sup>1</sup> .....	138.60	137.86	123.34	39.6	39.5	36.6	3.50	3.49	3.37
Savannah <sup>1</sup> .....	142.04	133.39	128.39	41.9	39.7	40.5	3.39	3.36	3.17
HAWAII .....	127.60	133.57	119.68	37.2	39.4	37.4	3.43	3.39	3.20
Honolulu .....	125.58	134.41	120.99	36.4	39.3	37.0	3.45	3.42	3.27
IDAHO .....	124.54	129.79	116.87	37.4	38.4	37.7	3.33	3.38	3.10
ILLINOIS .....	151.69	151.76	146.61	39.7	40.3	40.9	3.82	3.77	3.59
Chicago .....	(*)	151.78	147.54	(*)	39.9	40.7	(*)	3.80	3.63
Davenport-Rock Island-Moline .....	(*)	169.48	161.29	(*)	40.0	40.2	(*)	4.23	4.01

See footnotes at end of table.

## ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Jan. 1970
<b>ILLINOIS (continued)</b>									
Peoria .....	(*)	\$168.99	\$170.91	(*)	40.5	42.3	(*)	\$4.18	\$4.04
Rockford .....	(*)	144.94	147.17	(*)	40.5	42.3	(*)	3.58	3.48
<b>INDIANA<sup>1</sup></b>									
Indianapolis <sup>1</sup> .....	\$154.42	155.57	146.61	39.8	40.2	40.5	\$3.88	3.87	3.62
Indianapolis <sup>1</sup> .....	(*)	160.36	143.15	(*)	40.7	38.9	(*)	3.94	3.68
<b>IOWA</b>									
Cedar Rapids .....	157.99	155.99	147.42	40.2	40.1	40.5	3.93	3.89	3.64
Des Moines .....	163.49	162.74	146.32	41.6	41.2	41.1	3.93	3.95	3.56
Dubuque .....	162.77	157.18	155.88	39.7	39.1	40.7	4.10	4.02	3.83
Sioux City <sup>1</sup> .....	181.24	181.31	165.33	39.4	39.5	38.9	4.60	4.59	4.25
Waterloo .....	154.66	145.52	131.77	43.2	42.8	41.7	3.58	3.40	3.16
Waterloo .....	160.79	159.92	160.80	39.7	39.1	40.1	4.05	4.09	4.01
<b>KANSAS</b>									
Topeka .....	(*)	147.13	131.73	(*)	41.8	42.2	(*)	3.52	3.12
Wichita .....	(*)	155.76	160.55	(*)	41.3	46.1	(*)	3.77	3.48
Wichita .....	(*)	160.15	138.60	(*)	43.9	42.4	(*)	3.65	3.27
<b>KENTUCKY</b>									
Louisville <sup>1</sup> .....	129.36	132.26	123.86	38.5	39.6	39.7	3.36	3.34	3.12
Louisville <sup>1</sup> .....	145.53	151.20	143.16	38.5	40.0	40.1	3.78	3.78	3.57
<b>LOUISIANA<sup>1</sup></b>									
Baton Rouge <sup>1</sup> .....	140.15	141.86	133.44	41.1	42.6	41.7	3.41	3.33	3.20
New Orleans .....	162.18	155.93	155.58	41.8	40.5	41.6	3.88	3.85	3.74
Shreveport <sup>1</sup> .....	(*)	137.97	135.30	(*)	40.7	41.0	(*)	3.39	3.30
Shreveport <sup>1</sup> .....	127.52	128.43	116.18	40.1	40.9	40.2	3.18	3.14	2.89
<b>MAINE<sup>1</sup></b>									
Lewiston-Auburn <sup>1</sup> .....	110.60	111.32	106.92	39.5	39.9	40.5	2.80	2.79	2.64
Portland <sup>1</sup> .....	92.99	90.64	87.56	36.9	36.4	37.1	2.52	2.49	2.36
Portland <sup>1</sup> .....	117.99	118.50	110.40	39.2	39.5	40.0	3.01	3.00	2.76
<b>MARYLAND</b>									
Baltimore .....	138.25	138.90	135.20	39.5	39.8	40.6	3.50	3.49	3.33
Baltimore .....	144.91	146.29	140.01	39.7	40.3	40.7	3.65	3.63	3.44
<b>MASSACHUSETTS</b>									
Boston .....	130.32	130.59	123.78	38.9	39.1	39.8	3.35	3.34	3.11
Boston .....	143.50	144.97	132.72	39.1	39.5	39.5	3.67	3.67	3.36
Brockton .....	108.66	110.48	106.88	36.1	37.2	37.5	3.01	2.97	2.85
Fall River .....	97.78	94.88	93.24	35.3	34.5	36.0	2.77	2.75	2.59
Lawrence-Haverhill .....	121.66	121.57	121.47	39.5	39.6	40.9	3.08	3.08	2.97
Lowell .....	113.37	112.99	107.41	38.3	38.3	39.2	2.96	2.95	2.74
New Bedford .....	103.32	103.42	98.36	36.9	37.2	37.4	2.80	2.78	2.63
Springfield-Chicopee-Holyoke .....	130.59	131.26	129.28	39.1	39.3	40.4	3.34	3.34	3.20
Worcester .....	130.88	131.95	133.39	37.5	37.7	40.3	3.49	3.50	3.31
<b>MICHIGAN</b>									
Ann Arbor .....	190.51	179.58	167.61	42.0	41.0	41.1	4.54	4.38	4.08
Ann Arbor .....	200.98	202.43	170.81	42.4	43.6	41.0	4.74	4.64	4.17
Battle Creek .....	162.15	165.51	168.31	38.7	39.9	43.1	4.19	4.15	3.91
Bay City .....	180.34	180.56	150.79	41.9	41.7	40.6	4.30	4.33	3.71
Detroit .....	187.76	187.62	176.95	40.0	41.4	40.8	4.69	4.53	4.34
Flint .....	242.27	204.60	186.52	45.6	40.0	40.6	5.31	5.12	4.59
Grand Rapids .....	167.93	159.03	146.25	41.2	39.5	40.4	4.08	4.03	3.62
Jackson .....	160.54	157.68	169.09	38.6	38.3	41.7	4.16	4.12	4.06
Kalamazoo .....	180.78	168.33	166.50	42.2	40.6	43.7	4.28	4.15	3.81
Lansing .....	202.96	189.62	171.72	42.1	40.2	40.5	4.82	4.72	4.24
Muskegon-Muskegon Heights .....	151.97	153.97	147.78	39.3	39.9	40.3	3.87	3.86	3.67
Saginaw .....	212.06	197.95	174.97	43.5	42.1	40.7	4.88	4.70	4.30
<b>MINNESOTA</b>									
Duluth-Superior <sup>2</sup> .....	144.52	145.93	140.15	39.1	39.8	40.8	3.69	3.67	3.44
Duluth-Superior <sup>2</sup> .....	(*)	140.65	131.59	(*)	39.7	39.7	(*)	3.54	3.32
Minneapolis-St. Paul .....	150.97	154.71	148.41	38.9	39.9	41.4	3.89	3.87	3.58
<b>MISSISSIPPI<sup>1</sup></b>									
Jackson .....	99.29	103.16	95.51	39.4	41.1	40.3	2.52	2.51	2.37
Jackson .....	100.44	105.84	93.15	40.5	42.0	40.5	2.48	2.52	2.30
<b>MISSOURI</b>									
Kansas City .....	141.02	139.74	130.48	39.5	39.7	39.3	3.57	3.52	3.32
St. Joseph .....	136.57	136.06	131.05	39.7	39.9	40.2	3.44	3.41	3.26
St. Louis .....	147.74	156.29	146.85	42.7	45.3	44.1	3.46	3.45	3.33
Springfield .....	162.00	160.78	146.57	40.4	40.6	39.4	4.01	3.96	3.72
Springfield .....	109.71	110.00	107.79	37.7	37.8	38.7	2.91	2.91	2.79
<b>MONTANA</b>									
Lincoln .....	149.25	149.71	142.26	39.8	39.5	40.3	3.75	3.79	3.53
<b>NEBRASKA</b>									
Lincoln .....	142.30	141.29	131.65	42.3	42.0	42.5	3.37	3.36	3.10
Omaha .....	125.90	124.43	124.44	39.5	39.6	41.1	3.19	3.14	3.03
Omaha .....	147.22	146.62	132.66	42.0	41.8	41.7	3.51	3.51	3.18

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970
NEVADA.....	\$159.10	\$158.80	\$157.00	38.9	40.1	38.2	\$4.09	\$3.96	\$4.11
Las Vegas.....	(*)	(*)	181.03	(*)	(*)	42.1	(*)	(*)	4.30
NEW HAMPSHIRE.....	113.97	113.18	107.17	39.3	39.3	39.4	2.90	2.88	2.72
Manchester.....	103.25	102.87	97.40	38.1	38.1	37.9	2.71	2.70	2.57
NEW JERSEY.....	143.51	145.20	135.01	40.2	40.9	40.3	3.57	3.55	3.35
Atlantic City.....	110.68	110.37	106.96	40.1	39.7	38.2	2.76	2.78	2.80
Camden <sup>3</sup> .....	141.10	147.20	131.74	40.2	41.7	39.8	3.51	3.53	3.31
Jersey City <sup>4</sup> .....	145.12	145.04	139.09	40.2	40.4	40.2	3.61	3.59	3.46
Newark <sup>4</sup> .....	142.76	143.78	135.43	38.9	39.5	39.6	3.67	3.64	3.42
Paterson-Clifton-Passaic <sup>4</sup> .....	139.62	140.18	135.47	39.0	39.6	40.2	3.58	3.54	3.37
Perth Amboy <sup>4</sup> .....	146.57	148.00	141.10	39.4	40.0	40.2	3.72	3.70	3.51
Trenton.....	141.15	139.26	132.40	39.1	38.9	40.0	3.61	3.58	3.31
NEW MEXICO.....	(*)	103.86	101.99	(*)	38.9	38.2	(*)	2.67	2.67
Albuquerque.....	(*)	109.79	112.58	(*)	37.6	39.5	(*)	2.92	2.85
NEW YORK.....	(*)	140.46	132.05	(*)	38.8	39.3	(*)	3.62	3.36
Albany-Schenectady-Troy.....	154.69	158.21	135.20	40.6	41.2	40.6	3.81	3.84	3.33
Binghamton.....	139.84	137.31	138.35	40.3	39.8	42.7	3.47	3.45	3.24
Buffalo.....	170.93	165.59	159.01	40.6	39.9	41.3	4.21	4.15	3.85
Elmira.....	132.26	131.14	121.66	39.6	39.5	39.5	3.34	3.32	3.08
Monroe County <sup>5</sup> .....	175.03	173.75	159.42	40.8	40.5	41.3	4.29	4.29	3.86
Nassau and Suffolk Counties <sup>6</sup> .....	141.51	139.91	132.66	39.2	39.3	39.6	3.61	3.56	3.35
New York-Northeastern New Jersey.....	(*)	137.09	129.59	(*)	38.4	38.8	(*)	3.57	3.34
New York SMSA <sup>4</sup> .....	(*)	133.46	125.07	(*)	37.7	37.9	(*)	3.54	3.30
New York City <sup>6</sup> .....	(*)	131.30	123.38	(*)	37.3	37.5	(*)	3.52	3.29
Rochester.....	168.50	166.46	154.50	40.7	40.5	41.2	4.14	4.11	3.75
Rockland County <sup>6</sup> .....	141.65	139.20	135.22	39.9	40.0	41.1	3.55	3.48	3.29
Syracuse.....	149.41	148.64	143.85	40.6	40.5	41.1	3.68	3.63	3.50
Utica-Rome.....	129.65	128.59	126.88	38.7	38.5	39.9	3.35	3.34	3.18
Westchester County <sup>6</sup> .....	145.88	140.48	126.43	38.9	38.7	38.9	3.75	3.63	3.25
NORTH CAROLINA.....	100.33	102.11	94.62	39.5	40.2	39.1	2.54	2.54	2.42
Asheville.....	97.27	95.74	85.78	39.7	39.4	36.5	2.45	2.45	2.35
Charlotte.....	106.13	108.81	101.56	39.6	40.6	40.3	2.68	2.68	2.52
Greensboro-Winston-Salem-High Point.....	110.19	113.77	103.68	38.8	40.2	38.4	2.84	2.83	2.70
Raleigh.....	104.80	103.62	95.94	39.4	39.4	39.0	2.66	2.63	2.46
NORTH DAKOTA.....	120.66	128.02	110.88	39.8	42.7	39.3	3.03	3.00	2.82
Fargo-Moorhead.....	129.09	135.31	115.63	39.2	41.9	37.7	3.29	3.23	3.07
OHIO.....	161.60	163.14	152.93	40.4	41.3	41.0	4.00	3.95	3.73
Akron.....	176.35	177.62	167.66	41.3	41.5	41.5	4.27	4.28	4.04
Canton.....	162.38	156.41	155.40	40.8	39.8	42.0	3.98	3.93	3.70
Cincinnati.....	154.63	157.45	142.55	40.8	42.1	41.2	3.79	3.74	3.46
Cleveland.....	163.61	161.99	156.18	40.2	40.7	41.1	4.07	3.98	3.80
Columbus.....	148.55	153.38	142.21	39.3	40.9	40.4	3.78	3.72	3.52
Dayton.....	178.30	185.51	172.22	39.8	41.5	41.6	4.48	4.47	4.14
Toledo.....	168.10	169.33	161.50	40.9	41.4	41.2	4.11	4.09	3.92
Youngstown-Warren.....	177.61	176.81	154.84	41.4	41.8	39.4	4.29	4.23	3.93
OKLAHOMA <sup>1</sup> .....	126.72	130.29	124.75	40.1	41.1	40.9	3.16	3.17	3.05
Oklahoma City <sup>1</sup> .....	127.08	130.51	122.78	40.6	41.3	41.2	3.13	3.16	2.98
Tulsa <sup>1</sup> .....	138.72	142.61	140.70	40.8	41.7	42.0	3.40	3.42	3.35
OREGON.....	146.15	151.31	143.22	37.0	38.6	38.5	3.95	3.92	3.72
Eugene.....	146.83	154.41	144.77	36.8	38.7	37.8	3.99	3.99	3.83
Portland.....	145.73	152.06	142.48	36.8	38.4	38.3	3.96	3.96	3.72
PENNSYLVANIA.....	135.33	135.59	129.49	39.0	39.3	39.6	3.47	3.45	3.27
Allentown-Bethlehem-Easton.....	129.62	130.22	128.77	37.9	38.3	39.5	3.42	3.40	3.26
Altoona.....	111.34	112.51	107.14	38.0	38.4	38.4	2.93	2.93	2.79
Delaware Valley <sup>3</sup> .....	148.40	148.71	138.40	40.0	40.3	40.0	3.71	3.69	3.46
Erie.....	150.90	151.92	135.38	41.8	42.2	41.4	3.61	3.60	3.27
Harrisburg.....	124.58	123.95	121.50	39.3	39.6	40.1	3.17	3.13	3.03
Johnstown.....	123.90	126.72	126.79	35.0	36.0	37.4	3.54	3.52	3.39
Lancaster.....	123.52	124.58	121.71	38.6	39.3	40.3	3.20	3.17	3.02
Philadelphia.....	148.00	149.04	138.00	40.0	40.5	40.0	3.70	3.68	3.45
Pittsburgh.....	156.79	157.95	149.11	40.1	40.5	40.3	3.91	3.90	3.70
Reading.....	125.58	120.82	121.50	39.0	38.6	40.1	3.22	3.13	3.03
Scranton.....	103.39	104.26	100.81	35.9	36.2	37.2	2.88	2.88	2.71
Wilkes-Barre-Hazleton.....	100.75	100.39	95.83	35.6	35.6	36.3	2.83	2.82	2.64
York.....	124.84	125.36	125.04	40.4	41.1	42.1	3.09	3.05	2.97

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970	Jan. 1971 <sup>p</sup>	Dec. 1970	Jan. 1970
RHODE ISLAND.....	\$113.49	\$112.13	\$112.12	39.0	38.8	39.9	\$2.91	\$2.89	\$2.81
Providence-Pawtucket-Warwick.....	115.54	114.46	113.20	39.3	39.2	40.0	2.94	2.92	2.83
SOUTH CAROLINA.....	(*)	104.64	99.05	(*)	40.4	40.1	(*)	2.59	2.47
Charleston.....	(*)	124.00	121.42	(*)	40.0	41.3	(*)	3.10	2.94
Greenville.....	(*)	100.58	96.87	(*)	39.6	39.7	(*)	2.54	2.44
SOUTH DAKOTA.....	140.04	143.52	126.26	44.6	46.0	44.3	3.14	3.12	2.85
Sioux Falls.....	176.63	180.34	155.52	49.2	50.8	48.0	3.59	3.55	3.24
TENNESSEE.....	112.35	113.24	105.32	39.7	40.3	39.3	2.83	2.81	2.68
Chattanooga <sup>1</sup> .....	121.30	123.42	111.90	39.9	40.6	39.4	3.04	3.04	2.84
Knoxville.....	130.00	128.47	117.69	40.5	40.4	39.1	3.21	3.18	3.01
Memphis <sup>1</sup> .....	119.34	125.66	121.29	39.0	40.8	40.7	3.06	3.08	2.98
Nashville.....	123.07	124.64	115.78	39.7	40.6	40.2	3.10	3.07	2.88
TEXAS <sup>1</sup> .....	133.42	134.72	127.61	40.8	41.2	40.9	3.27	3.27	3.12
Amarillo <sup>1</sup> .....	116.23	116.82	110.94	39.4	39.6	39.2	2.95	2.95	2.83
Austin <sup>1</sup> .....	112.75	119.66	104.90	41.0	43.2	40.5	2.75	2.77	2.59
Beaumont-Port Arthur-Orange <sup>1</sup> .....	172.98	167.67	170.15	40.7	40.5	41.4	4.25	4.14	4.11
Corpus Christi <sup>1</sup> .....	149.51	165.55	151.79	40.3	43.0	42.4	3.71	3.85	3.58
Dallas <sup>1</sup> .....	124.62	125.86	122.51	40.2	40.6	40.7	3.10	3.10	3.01
El Paso <sup>1</sup> .....	88.78	85.04	80.09	38.6	37.3	37.6	2.30	2.28	2.13
Fort Worth <sup>1</sup> .....	137.16	144.14	134.15	40.7	41.9	40.9	3.37	3.44	3.28
Galveston-Texas City.....	191.48	184.54	184.89	41.9	41.1	42.7	4.57	4.49	4.33
Houston <sup>1</sup> .....	158.08	160.78	151.86	41.6	42.2	42.3	3.80	3.81	3.59
Lubbock <sup>1</sup> .....	112.78	113.90	112.52	42.4	42.5	44.3	2.66	2.68	2.54
San Antonio <sup>1</sup> .....	106.24	107.26	100.80	41.5	41.9	42.0	2.56	2.56	2.40
Waco <sup>1</sup> .....	110.58	111.22	113.81	38.8	39.3	40.5	2.85	2.83	2.81
Wichita Falls <sup>1</sup> .....	96.33	97.22	99.46	39.0	39.2	41.1	2.47	2.48	2.42
UTAH.....	138.52	137.09	128.15	38.8	38.4	38.6	3.57	3.57	3.32
Salt Lake City.....	127.92	127.10	120.19	38.3	38.4	38.6	3.34	3.31	3.13
VERMONT.....	124.84	125.44	116.52	41.2	41.4	40.6	3.03	3.03	2.87
Burlington.....	141.36	144.41	128.23	41.7	42.6	41.1	3.39	3.39	3.12
Springfield.....	134.60	127.60	129.68	41.8	40.0	39.9	3.22	3.19	3.25
VIRGINIA.....	112.00	112.72	107.47	40.0	40.4	40.1	2.80	2.79	2.68
Lynchburg <sup>1</sup> .....	109.48	110.29	104.24	40.4	41.0	41.2	2.71	2.69	2.53
Norfolk-Portsmouth.....	121.83	125.05	116.16	38.8	40.6	40.9	3.14	3.08	2.84
Richmond <sup>1</sup> .....	121.21	129.37	118.80	39.1	41.2	40.0	3.10	3.14	2.97
Roanoke <sup>1</sup> .....	103.23	106.25	99.14	39.4	40.4	40.3	2.62	2.63	2.46
WASHINGTON.....	159.80	161.38	156.02	38.6	38.7	39.2	4.14	4.17	3.98
Seattle-Everett.....	170.37	168.63	163.59	39.9	39.4	39.9	4.27	4.28	4.10
Spokane.....	154.77	158.39	145.16	38.5	39.4	37.9	4.02	4.02	3.83
Tacoma.....	153.75	157.00	144.34	37.5	38.2	37.2	4.10	4.11	3.88
WEST VIRGINIA.....	(*)	141.52	133.39	(*)	40.1	40.3	(*)	3.52	3.31
Charleston.....	(*)	168.45	166.60	(*)	41.8	43.5	(*)	4.03	3.83
Huntington-Ashland.....	(*)	148.16	135.72	(*)	39.3	39.0	(*)	3.77	3.48
Wheeling.....	(*)	148.01	135.66	(*)	41.0	39.9	(*)	3.61	3.40
WISCONSIN.....	153.35	150.66	144.70	40.4	40.1	40.8	3.79	3.76	3.55
Green Bay.....	161.04	159.69	147.81	43.1	43.1	42.7	3.73	3.71	3.46
Kenosha.....	154.41	156.74	164.98	38.3	38.9	41.0	4.03	4.03	4.02
La Crosse.....	124.74	129.69	119.01	39.5	40.8	40.0	3.16	3.18	2.97
Madison.....	175.13	174.94	153.28	40.7	40.4	40.0	4.30	4.33	3.84
Milwaukee.....	163.73	161.58	156.70	40.2	39.9	40.9	4.07	4.05	3.83
Racine.....	153.40	153.54	144.91	39.6	39.8	40.1	3.88	3.85	3.62
WYOMING.....	126.77	133.06	124.73	38.3	39.6	39.1	3.31	3.36	3.19
Casper.....	152.64	161.52	147.71	36.0	41.1	39.6	4.24	3.93	3.73
Cheyenne.....	100.84	103.97	113.70	30.1	30.4	32.3	3.35	3.42	3.52

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

<sup>2</sup> Data are not comparable prior to June 1970.

<sup>3</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

<sup>4</sup> Area included in New York-Northeastern New Jersey Standard Consolidated Area.

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

<sup>6</sup> Subarea of New York Standard Metropolitan Statistical Area.

\* Not available.

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

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

(Per 100 employees)

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

p = preliminary.

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

(Per 100 employees)

SIC Code	Industry	Accession rates						Separation rates								
		Total			New hires			Total			Quits			Layoffs		
		Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>H</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>H</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>H</sup>	Dec. 1970	Avg. 1970
	<b>MANUFACTURING</b> . . . . .	3.6	2.4	4.0	2.0	1.4	2.8	4.4	4.1	4.8	1.5	1.2	2.1	2.0	2.3	1.8
19,24,25,32-39	<b>DURABLE GOODS</b> . . . . .	3.3	2.1	3.5	1.7	1.1	2.3	4.2	3.9	4.7	1.2	.9	1.8	2.2	2.2	2.0
20-23,26-31	<b>NONDURABLE GOODS</b> . . . . .	3.9	2.7	4.6	2.4	1.7	3.4	4.5	4.5	5.0	1.9	1.5	2.6	1.8	2.3	1.6
	<i>Durable Goods</i>															
19	<b>ORDNANCE AND ACCESSORIES</b> . . . . .	-	1.2	1.7	-	.6	.9	-	3.3	4.0	-	.5	1.1	-	2.4	2.3
192	Ammunition, except for small arms . . . . .	-	1.2	1.6	-	.5	.8	-	3.0	4.1	-	.5	1.0	-	2.1	2.4
24	<b>LUMBER AND WOOD PRODUCTS</b> . . . . .	4.9	3.0	5.3	3.1	2.2	4.2	4.6	5.7	6.0	2.4	1.8	3.3	1.4	3.2	1.8
242	Sawmills and planing mills . . . . .	-	3.1	4.8	-	2.3	4.0	-	4.7	5.3	-	2.0	3.3	-	2.1	1.3
2421	Sawmills and planing mills, general . . . . .	-	3.1	4.8	-	2.3	3.9	-	4.7	5.1	-	1.9	3.1	-	2.2	1.2
243	Millwork, plywood & related products . . . . .	-	2.8	4.8	-	2.0	3.8	-	4.6	5.3	-	1.5	2.9	-	2.5	1.6
2431	Millwork . . . . .	-	2.6	4.7	-	1.9	3.8	-	3.4	5.0	-	1.2	2.8	-	1.6	1.5
2432	Veneer and plywood . . . . .	-	2.5	4.1	-	1.6	3.2	-	5.6	5.0	-	1.6	2.6	-	3.4	1.6
244	Wooden containers . . . . .	-	3.2	6.7	-	2.7	5.7	-	7.1	8.5	-	2.4	4.7	-	4.2	2.7
2441,2	Wooden boxes, shooks, and crates . . . . .	-	2.5	6.1	-	2.3	5.1	-	7.8	8.1	-	2.2	4.3	-	5.3	3.0
249	Miscellaneous wood products . . . . .	-	3.5	5.7	-	2.4	4.7	-	4.7	6.3	-	2.2	3.8	-	1.6	1.4
25	<b>FURNITURE AND FIXTURES</b> . . . . .	4.3	2.5	4.9	3.5	2.0	3.9	4.8	4.1	5.7	2.3	1.8	3.2	1.7	1.6	1.4
251	Household furniture . . . . .	-	2.5	5.1	-	2.1	4.2	-	4.0	5.8	-	2.0	3.5	-	1.3	1.2
2511	Wood household furniture . . . . .	-	2.4	5.0	-	1.9	3.9	-	4.0	5.8	-	2.0	3.5	-	1.3	1.3
2512	Upholstered household furniture . . . . .	-	2.1	4.0	-	1.9	3.3	-	3.6	4.5	-	1.9	2.8	-	1.2	.9
2515	Mattresses and bedsprings . . . . .	-	3.0	5.9	-	2.6	5.3	-	3.6	6.2	-	2.0	4.0	-	.8	.8
252	Office furniture . . . . .	-	1.3	3.1	-	1.0	2.3	-	3.8	5.1	-	1.0	2.3	-	2.2	1.8
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> . . . . .	3.4	2.2	4.2	2.0	1.4	3.1	5.2	4.5	4.8	1.5	1.1	2.3	2.8	2.6	1.6
321	Flat glass . . . . .	-	1.9	3.7	-	.8	.6	-	2.4	4.2	-	.3	.4	-	1.5	3.0
322	Glass and glassware, pressed or blown . . . . .	-	1.6	4.1	-	.7	2.9	-	4.2	4.4	-	.9	2.2	-	2.6	1.1
3221	Glass containers . . . . .	-	1.6	4.7	-	.9	3.7	-	5.0	4.8	-	1.1	2.8	-	3.3	1.0
3229	Pressed and blown glass, n e c . . . . .	-	1.7	3.3	-	.5	1.7	-	3.2	3.9	-	.5	1.3	-	1.5	1.4
324	Cement, hydraulic . . . . .	-	1.2	2.1	-	.5	1.2	-	3.8	3.2	-	.3	.7	-	2.5	1.6
325	Structural clay products . . . . .	-	1.8	4.9	-	1.4	3.9	-	5.8	5.8	-	1.6	3.4	-	3.4	1.6
3251	Brick and structural clay tile . . . . .	-	2.2	6.1	-	2.0	4.8	-	5.9	6.9	-	2.1	4.3	-	2.8	1.7
326	Pottery and related products . . . . .	-	2.2	4.3	-	1.4	3.2	-	3.2	5.0	-	1.5	2.6	-	.8	1.4
3291	Abrasive products . . . . .	-	.8	1.7	-	.4	1.2	-	1.7	3.1	-	.3	1.1	-	.8	1.2
33	<b>PRIMARY METAL INDUSTRIES</b> . . . . .	3.6	2.4	3.1	1.3	.9	1.9	3.1	2.8	4.1	.8	.7	1.4	1.4	1.4	1.6
331	Blast furnace and basic steel products . . . . .	-	2.5	2.7	-	.5	1.4	-	2.8	3.3	-	.5	1.1	-	1.6	1.2
3312	Blast furnaces and steel mills . . . . .	-	2.6	2.7	-	.5	1.4	-	2.7	3.3	-	.5	1.1	-	1.5	1.2
332	Iron and steel foundries . . . . .	-	3.0	4.5	-	1.6	3.0	-	3.1	5.6	-	1.1	2.4	-	1.2	2.0
3321	Gray iron foundries . . . . .	-	2.8	4.5	-	1.3	2.9	-	2.7	5.8	-	1.2	2.4	-	.9	2.2
3322	Malleable iron foundries . . . . .	-	4.6	5.8	-	3.7	4.1	-	4.9	6.3	-	1.2	2.7	-	2.3	1.8
3323	Steel foundries . . . . .	-	2.8	4.1	-	1.4	3.1	-	3.3	5.1	-	1.0	2.1	-	1.4	1.6
333,4	Nonferrous metals . . . . .	-	1.9	2.6	-	1.2	2.2	-	2.2	3.0	-	.8	1.6	-	.8	.5
335	Nonferrous rolling and drawing . . . . .	-	1.7	2.7	-	.7	1.3	-	2.5	4.1	-	.7	1.1	-	1.3	2.3
3351	Copper rolling and drawing . . . . .	-	1.4	1.6	-	.6	.9	-	3.2	3.1	-	.4	.8	-	2.1	1.5
3352	Aluminum rolling and drawing . . . . .	-	1.8	2.1	-	.6	1.2	-	2.6	3.3	-	.6	1.0	-	1.5	1.5
3357	Nonferrous wire drawing, and insulating . . . . .	-	1.9	3.9	-	1.0	1.8	-	2.3	5.9	-	.9	1.3	-	.8	3.7
336	Nonferrous foundries . . . . .	-	2.5	4.2	-	1.0	2.7	-	3.8	6.4	-	1.1	2.3	-	2.3	2.9
3361	Aluminum castings . . . . .	-	2.5	4.6	-	1.3	2.9	-	3.1	6.7	-	1.2	2.5	-	1.4	2.8
3362,9	Other nonferrous castings . . . . .	-	2.4	3.8	-	.7	2.4	-	4.5	6.1	-	.9	2.1	-	3.2	3.0
339	Miscellaneous primary metal products . . . . .	-	2.1	2.8	-	1.1	1.6	-	2.8	4.4	-	.7	1.3	-	1.7	2.2
3391	Iron and steel forgings . . . . .	-	1.8	2.8	-	1.1	1.7	-	2.2	4.2	-	.5	1.2	-	1.2	2.1

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

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

SIC Code	Industry	(Per 100 employees)														
		Accession rates						Separation rates								
		Total			New hires			Total			Quits			Layoffs		
		Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970
<i>Durable Goods--Continued</i>																
34	<b>FABRICATED METAL PRODUCTS</b>	-	2.3	4.2	-	1.3	3.0	-	3.8	5.1	-	1.1	2.1	-	1.9	1.8
341	Metal cans	-	4.1	5.4	-	1.7	2.7	-	4.9	6.0	-	.8	1.6	-	2.9	2.8
342	Cutlery, hand tools, and hardware	-	2.0	3.6	-	1.4	2.3	-	3.0	4.3	-	.9	1.7	-	1.5	1.7
3421,3,5	Cutlery and hand tools, incl. saws	-	2.1	3.0	-	1.6	2.5	-	2.4	3.5	-	1.0	1.8	-	.7	.9
3429	Hardware, n e c	-	2.0	4.0	-	1.3	2.2	-	3.4	4.9	-	.8	1.6	-	2.0	2.2
343	Plumbing and heating, except electric	-	1.6	3.6	-	1.1	2.9	-	3.3	4.6	-	1.0	2.0	-	1.5	1.5
3431,2	Sanitary ware & plumbers' brass goods	-	1.5	3.5	-	1.0	2.7	-	2.7	4.5	-	1.0	2.1	-	1.0	1.4
3433	Heating equipment, except electric	-	1.7	3.7	-	1.2	3.0	-	3.7	4.7	-	1.1	2.0	-	1.9	1.7
344	Fabricated structural metal products	-	2.3	4.4	-	1.6	3.7	-	4.0	4.9	-	1.2	2.4	-	2.1	1.5
3441	Fabricated structural steel	-	2.6	4.9	-	2.1	4.2	-	3.6	5.2	-	1.4	2.6	-	1.3	1.5
3443	Fabricated plate work (boiler shops)	-	1.9	3.1	-	1.3	2.6	-	3.6	3.6	-	1.0	1.7	-	1.8	.9
3446,9	Architectural and misc. metal work	-	2.2	4.8	-	1.8	3.9	-	4.3	5.5	-	1.1	2.4	-	2.4	1.9
345	Screw machine products, bolts, etc.	-	2.0	3.1	-	1.1	2.4	-	3.4	4.6	-	.9	2.0	-	1.7	1.6
3452	Bolts, nuts, rivets, and washers	-	1.7	2.5	-	.8	1.7	-	2.8	3.9	-	.5	1.4	-	1.6	1.6
346	Metal stampings	-	2.2	4.5	-	.8	2.2	-	4.1	5.3	-	.9	1.7	-	2.2	2.6
348	Misc. fabricated wire products	-	2.4	4.4	-	1.4	3.5	-	3.7	5.7	-	1.4	2.8	-	1.6	1.7
349	Misc. fabricated metal products	-	1.9	3.5	-	1.3	2.8	-	2.9	4.2	-	1.1	2.1	-	1.2	1.2
3494,8	Valves, pipe, and pipe fittings	-	1.5	3.2	-	1.0	2.6	-	2.4	4.0	-	.9	1.9	-	1.0	1.1
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2.4	1.6	2.6	1.1	.8	1.7	3.5	2.9	3.8	0.8	.6	1.3	2.0	1.6	1.6
351	Engines and turbines	-	1.8	3.5	-	.8	1.6	-	1.9	4.0	-	.4	.9	-	.7	2.1
3511	Steam engines and turbines	-	2.1	2.3	-	1.1	1.5	-	1.3	1.9	-	.4	.8	(1)	(1)	
3519	Internal combustion engines, n e c	-	1.7	4.1	-	.6	1.6	-	2.2	5.2	-	.4	.9	-	1.0	3.2
352	Farm machinery	-	2.7	3.7	-	1.1	1.8	-	3.5	4.9	-	.6	1.4	-	1.9	2.5
353	Construction and related machinery	-	1.4	2.5	-	.9	1.9	-	2.3	3.2	-	.7	1.4	-	1.0	1.0
3531,2	Construction and mining machinery	-	1.3	2.2	-	.8	1.6	-	2.0	2.9	-	.5	1.0	-	.8	.9
3533	Oil field machinery	-	1.7	2.9	-	1.4	2.6	-	2.0	3.3	-	1.1	1.9	-	.3	.5
3535,6	Conveyors, hoists, cranes, monorails	-	1.4	2.4	-	.9	2.0	-	2.7	3.1	-	.7	1.4	-	1.2	.9
354	Metal working machinery	-	1.4	2.2	-	.6	1.4	-	3.7	4.2	-	.5	1.1	-	2.7	2.3
3541	Machine tools, metal cutting types	-	.6	1.4	-	.3	.9	-	3.8	4.0	-	.4	.9	-	2.8	2.4
3545	Machine tool accessories	-	.8	1.5	-	.3	1.0	-	2.3	3.4	-	.4	1.0	-	1.6	1.8
3542,8	Misc. metal working machinery	-	1.0	1.9	-	.6	1.3	-	2.4	3.0	-	.6	1.1	-	1.4	1.3
355	Special industry machinery	-	1.2	2.0	-	.8	1.5	-	2.1	3.1	-	.6	1.2	-	1.0	1.1
3551	Food products machinery	-	1.4	2.2	-	.8	1.8	-	2.4	2.9	-	.6	1.2	-	1.2	1.0
3552	Textile machinery	-	1.2	2.3	-	.9	1.7	-	2.4	3.6	-	.9	1.6	-	1.0	1.3
356	General industrial machinery	-	1.7	2.4	-	.6	1.7	-	2.9	3.5	-	.6	1.3	-	1.7	1.4
3561	Pumps and compressors	-	1.7	2.4	-	.7	1.7	-	2.4	3.2	-	.6	1.4	-	1.0	1.1
3562	Ball and roller bearings	-	2.6	2.7	-	.3	1.1	-	4.8	4.2	-	.4	1.0	-	3.8	2.6
3566	Power transmission equipment	-	1.2	2.1	-	.5	1.5	-	2.1	3.2	-	.6	1.3	-	1.0	1.2
357	Office and computing machines	-	1.2	2.0	-	.6	1.3	-	3.0	3.0	-	.7	1.1	-	1.4	1.0
3573	Electronic computing equipment	-	1.0	1.7	-	.6	1.2	-	2.6	2.7	-	.7	1.0	-	.9	.9
358	Service industry machines	-	1.9	3.6	-	1.0	2.7	-	3.6	4.4	-	.9	1.8	-	2.1	1.6
3585	Refrigeration machinery	-	2.0	3.9	-	.9	2.8	-	3.5	4.6	-	.8	1.8	-	2.0	1.6
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	-	1.9	3.1	-	.9	2.0	-	3.5	4.3	-	.9	1.7	-	1.9	1.7
361	Electric test & distributing equipment	-	1.2	2.7	-	.6	2.0	-	2.8	3.5	-	.8	1.7	-	1.2	1.0
3611	Electric measuring instruments	-	.9	2.4	-	.6	1.8	-	2.7	3.5	-	.7	1.5	-	1.1	1.1
3612	Transformers	-	1.3	3.1	-	.4	2.2	-	4.0	3.9	-	1.0	1.8	-	2.2	1.1
3613	Switchgear and switchboard apparatus	-	1.3	2.8	-	.7	2.1	-	2.1	3.2	-	.8	1.7	-	.7	.7
362	Electrical industrial apparatus	-	1.5	2.7	-	.7	1.8	-	2.7	3.8	-	.7	1.6	-	1.6	1.5
3621	Motors and generators	-	1.6	3.0	-	.6	1.8	-	3.0	4.2	-	.7	1.5	-	1.8	1.9
3622	Industrial controls	-	1.1	2.1	-	.6	1.5	-	3.1	3.4	-	.6	1.6	-	2.0	1.2
363	Household appliances	-	3.6	4.1	-	1.0	2.8	-	4.5	4.4	-	.9	2.0	-	2.7	1.3
3632	Household refrigerators and freezers	-	8.1	4.6	-	.6	2.4	-	4.1	4.4	-	.5	1.6	-	2.4	1.6
3633	Household laundry equipment	-	1.5	3.5	-	1.1	2.5	-	3.3	3.2	-	.6	1.5	-	2.1	1.0
3634	Electric housewares and fans	-	2.2	4.6	-	1.5	3.6	-	8.0	5.7	-	1.4	2.7	-	5.8	1.9
364	Electric lighting and wiring equipment	-	2.0	3.8	-	1.2	2.7	-	3.3	4.7	-	1.2	2.1	-	1.4	1.5
3641	Electric lamps	-	1.2	2.5	-	.5	1.7	-	1.9	2.6	-	.8	1.3	-	.6	.6
3642	Lighting fixtures	-	2.4	4.7	-	1.8	3.2	-	4.4	5.5	-	1.5	2.3	-	1.9	2.1
3643,4	Wiring devices	-	2.1	3.8	-	1.1	2.7	-	3.2	5.1	-	1.2	2.4	-	1.3	1.6
365	Radio and TV receiving equipment	-	3.5	5.3	-	2.1	2.7	-	5.6	6.0	-	1.3	1.9	-	3.0	2.7
366	Communication equipment	-	1.3	2.1	-	.7	1.4	-	2.7	3.5	-	.7	1.3	-	1.5	1.5
3661	Telephone and telegraph apparatus	-	1.2	2.6	-	1.0	2.3	-	1.6	2.4	-	.9	1.5	-	.3	.3
3662	Radio and TV communication equipment	-	1.4	1.9	-	.6	1.0	-	3.4	4.1	-	.6	1.2	-	2.2	2.1
367	Electronic components and accessories	-	2.1	3.0	-	.9	1.7	-	4.5	5.3	-	1.0	1.8	-	2.7	2.3
3671-3	Electron tubes	-	1.8	3.0	-	.9	1.4	-	2.5	4.0	-	.9	1.4	-	.7	1.4
3674,9	Other electronic components	-	2.1	3.0	-	.9	1.8	-	5.0	5.6	-	1.0	1.9	-	3.2	2.5
369	Misc. electrical equipment & supplies	-	1.6	3.1	-	.8	2.0	-	3.6	4.7	-	.9	1.5	-	1.9	2.2
3694	Engine electrical equipment	-	1.1	2.5	-	.3	1.1	-	3.6	5.2	-	.5	1.0	-	2.4	3.2

See footnotes at end of table.



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

(Per 100 employees)

SIC Code	Industry	Accession rates						Separation rates								
		Total			New hires			Total			Layoffs					
		Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970			
<i>Durable Goods--Continued</i>																
37	<b>TRANSPORTATION EQUIPMENT</b> . . . . .	-	2.3	3.7	-	1.1	1.7	-	4.4	5.5	-	0.7	1.3	-	3.0	3.3
371	Motor vehicles and equipment . . . . .	-	2.4	4.4	-	1.1	1.5	-	4.3	6.1	-	.7	1.1	-	2.8	4.0
3711	Motor vehicles . . . . .	-	2.6	5.0	-	1.4	1.6	-	5.9	6.3	-	.8	1.1	-	4.3	4.2
3712	Passenger car bodies . . . . .	-	2.7	6.7	-	2.2	1.7	-	2.8	9.8	-	.8	.6	-	1.2	8.3
3713	Truck and bus bodies . . . . .	-	3.3	4.7	-	.6	3.4	-	3.0	5.9	-	.8	2.2	-	1.7	2.4
3714	Motor vehicle parts and accessories . . . . .	-	2.2	3.7	-	.7	1.2	-	3.0	5.5	-	.5	.9	-	1.6	3.5
372	Aircraft and parts . . . . .	-	.9	1.4	-	.4	.7	-	2.7	3.5	-	.4	.8	-	1.9	2.2
3721	Aircraft . . . . .	-	.7	1.2	-	.3	.6	-	2.5	3.7	-	.4	.7	-	1.9	2.6
3722	Aircraft engines and engine parts . . . . .	-	.8	1.3	-	.3	.7	-	2.5	2.7	-	.3	.7	-	1.6	1.4
3723,9	Other aircraft parts and equipment . . . . .	-	1.6	2.2	-	.9	1.4	-	3.3	4.0	-	.5	1.1	-	2.3	2.3
373	Ship and boat building and repairing . . . . .	-	5.5	7.0	-	2.6	3.9	-	6.8	8.3	-	1.4	2.6	-	4.4	4.4
3731	Ship building and repairing . . . . .	-	5.3	7.3	-	2.1	3.7	-	7.4	8.1	-	1.3	2.2	-	5.2	4.6
374	Railroad equipment . . . . .	-	5.1	5.0	-	2.1	2.3	-	5.2	6.3	-	.9	1.5	-	3.5	3.6
375,9	Other transportation equipment . . . . .	-	3.2	7.9	-	2.6	6.3	-	12.0	8.5	-	2.2	4.2	-	8.7	2.5
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	2.8	1.5	2.6	1.8	.9	1.9	4.0	2.2	3.4	1.5	.7	1.5	1.7	.9	1.1
381	Engineering & scientific instruments . . . . .	-	1.3	1.7	-	.7	1.1	-	1.7	3.4	-	.5	1.1	-	.7	1.6
382	Mechanical measuring & control devices . . . . .	-	1.6	2.6	-	.7	1.8	-	2.5	3.6	-	.7	1.5	-	1.0	1.2
3821	Mechanical measuring devices . . . . .	-	1.4	2.4	-	.8	2.0	-	2.8	3.2	-	.8	1.4	-	1.3	1.1
3822	Automatic temperature controls . . . . .	-	1.9	3.0	-	.4	1.4	-	1.9	4.2	-	.6	1.5	-	.7	1.5
383,5	Optical and ophthalmic goods . . . . .	-	1.3	2.9	-	.9	2.2	-	2.8	3.8	-	.9	1.8	-	1.3	1.2
384	Medical instruments and supplies . . . . .	-	1.9	3.5	-	1.6	2.8	-	2.5	3.6	-	1.1	2.0	-	.9	.8
386	Photographic equipment and supplies . . . . .	-	.8	2.0	-	.6	1.6	-	1.5	2.4	-	.4	1.1	-	.7	.5
387	Watches, clocks, and watchcases . . . . .	-	2.6	3.6	-	1.2	1.9	-	3.2	5.5	-	1.0	1.9	-	1.0	2.3
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	4.4	2.4	5.6	2.9	1.7	4.0	5.5	8.8	6.5	1.9	1.6	2.8	2.7	6.3	2.6
391	Jewelry, silverware, and plated ware . . . . .	-	1.3	3.5	-	1.1	2.7	-	3.4	4.2	-	1.3	2.3	-	1.4	1.2
394	Toys and sporting goods . . . . .	-	2.5	8.9	-	1.5	5.8	-	20.7	10.6	-	2.2	4.0	-	17.1	5.1
3941-3	Games, toys, dolls, & play vehicles . . . . .	-	1.7	11.2	-	.9	6.9	-	33.4	13.7	-	2.6	4.7	-	29.0	7.3
3949	Sporting and athletic goods, n e c . . . . .	-	3.4	6.0	-	2.2	4.1	-	5.4	6.7	-	1.8	3.0	-	2.7	2.5
395	Pens, pencils, office and art supplies . . . . .	-	1.6	3.3	-	.8	2.6	-	3.1	4.1	-	.9	2.0	-	1.8	1.4
396	Costume jewelry and notions . . . . .	-	2.2	5.0	-	1.6	3.8	-	7.2	5.7	-	1.8	2.9	-	4.7	2.1
393,9	Other manufacturing industries . . . . .	-	3.0	4.5	-	2.3	3.4	-	4.4	5.2	-	1.4	2.4	-	2.2	1.8
<i>Nondurable Goods</i>																
20	<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	4.8	3.8	6.7	2.8	2.3	4.8	6.0	7.0	6.8	2.1	1.9	3.2	3.0	4.4	2.7
201	Meat products . . . . .	-	5.5	7.1	-	2.7	4.7	-	8.1	7.2	-	2.5	3.7	-	4.8	2.7
2011	Meat packing plants . . . . .	-	6.5	6.3	-	2.1	2.8	-	6.7	6.4	-	1.4	1.9	-	4.6	3.8
2015	Poultry dressing plants . . . . .	-	5.2	10.8	-	4.5	9.3	-	13.6	10.7	-	5.4	8.1	-	7.1	1.6
204	Grain mill products . . . . .	-	2.3	4.0	-	1.6	3.1	-	3.1	4.1	-	1.3	2.2	-	1.2	1.1
2041	Flour and other grain mill products . . . . .	-	2.2	3.6	-	1.3	2.7	-	2.4	3.6	-	1.0	1.9	-	1.0	1.1
2042	Prepared feeds for animals and fowls . . . . .	-	2.7	4.4	-	2.3	3.8	-	3.3	4.4	-	1.8	2.7	-	.9	.9
205	Bakery products . . . . .	-	2.6	4.3	-	1.8	3.6	-	4.0	4.5	-	1.5	2.7	-	1.9	1.0
2051	Bread, cake, and related products . . . . .	-	2.7	4.2	-	2.1	3.7	-	3.7	4.3	-	1.6	2.7	-	1.4	.9
2052	Cookies and crackers . . . . .	-	2.0	4.5	-	.6	3.1	-	5.7	5.3	-	.8	2.3	-	4.1	2.0
207	Confectionery and related products . . . . .	-	4.1	7.4	-	2.0	4.8	-	10.5	8.1	-	2.1	3.7	-	7.6	3.6
2071	Confectionery products . . . . .	-	4.9	8.3	-	2.2	5.3	-	11.9	9.1	-	2.3	4.1	-	8.8	4.1
208	Beverages . . . . .	-	3.0	5.1	-	1.8	3.6	-	4.5	5.1	-	1.4	2.6	-	2.6	1.8
2082	Malt liquors . . . . .	-	3.3	3.9	-	.9	1.5	-	3.6	4.1	-	.2	.5	-	2.9	3.0
21	<b>TOBACCO MANUFACTURES</b> . . . . .	3.0	3.9	4.8	1.8	2.3	3.4	4.6	4.4	4.8	1.4	1.4	2.0	2.6	2.3	2.0
211	Cigarettes . . . . .	-	.5	2.2	-	.3	1.7	-	.8	1.7	-	.4	.9	-	( <sup>1</sup> )	.1
212	Cigars . . . . .	-	1.5	4.9	-	1.2	3.7	-	3.4	5.5	-	2.1	4.0	-	.4	.8

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

**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		
		Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970
<i>Nondurable Goods--Continued</i>																
22	<b>TEXTILE MILL PRODUCTS</b>	4.6	3.1	4.9	3.3	2.1	3.7	5.1	4.2	5.5	2.7	2.1	3.5	1.3	1.3	1.0
221	Weaving mills, cotton	-	3.4	5.1	-	2.4	4.0	-	3.6	5.2	-	2.4	3.8	-	.3	.3
222	Weaving mills, synthetics	-	2.9	4.2	-	2.0	3.2	-	3.7	5.2	-	2.0	3.2	-	1.0	1.0
223	Weaving and finishing mills, wool	-	3.9	4.5	-	2.0	3.1	-	5.4	6.2	-	1.5	2.8	-	2.9	2.3
224	Narrow fabric mills	-	3.4	4.0	-	1.9	2.9	-	3.9	5.1	-	1.8	2.8	-	1.2	1.5
225	Knitting mills	-	2.2	4.5	-	1.5	3.4	-	5.2	5.4	-	1.9	3.2	-	2.7	1.4
2251	Women's hosiery, except socks	-	1.0	3.4	-	.7	2.8	-	4.0	4.9	-	1.8	3.1	-	1.7	1.1
2252	Hosiery, n e c	-	1.3	4.1	-	1.0	3.3	-	2.8	4.3	-	1.6	3.3	-	.6	.5
2254	Knit underwear mills	-	2.0	3.4	-	1.3	2.4	-	2.4	3.8	-	1.8	2.9	-	.2	.4
226	Textile finishing, except wool	-	2.8	4.2	-	2.1	3.2	-	3.3	4.5	-	1.6	2.7	-	.7	.8
227	Floor covering mills	-	1.1	4.1	-	.9	3.4	-	1.9	4.7	-	.9	2.8	-	.6	.8
228	Yarn and thread mills	-	4.8	6.7	-	3.5	5.2	-	5.1	7.1	-	3.5	5.0	-	.6	.9
229	Miscellaneous textile goods	-	3.5	4.8	-	1.8	3.5	-	4.0	5.6	-	1.7	2.8	-	1.6	1.7
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	5.4	2.9	5.4	2.9	1.6	3.5	5.3	5.2	6.1	2.3	1.7	2.8	2.2	2.9	2.4
231	Men's and boys' suits and coats	-	1.9	3.3	-	.8	1.5	-	3.6	4.9	-	.7	1.5	-	2.5	2.8
232	Men's and boys' furnishings	-	3.0	5.4	-	1.7	4.1	-	4.5	5.6	-	2.1	3.7	-	1.9	1.1
2321	Men's and boys' shirts and nightwear	-	2.0	5.3	-	1.2	4.0	-	4.2	5.4	-	1.9	3.7	-	1.8	.8
2327	Men's and boys' separate trousers	-	2.7	5.0	-	2.1	4.0	-	3.5	5.1	-	2.5	3.8	-	.4	.5
2328	Men's and boys' work clothing	-	2.9	5.2	-	2.2	4.3	-	3.1	5.2	-	2.1	4.0	-	.4	.5
234	Women's and children's undergarments	-	2.1	4.7	-	1.4	3.3	-	4.6	5.4	-	1.9	3.2	-	2.1	1.4
2341	Women's and children's underwear	-	2.0	5.1	-	1.4	3.7	-	4.7	5.6	-	2.1	3.5	-	2.1	1.3
2342	Corsets and allied garments	-	2.3	3.8	-	1.4	2.3	-	4.4	5.1	-	1.4	2.4	-	2.2	1.9
26	<b>PAPER AND ALLIED PRODUCTS</b>	2.5	1.9	3.2	1.6	1.2	2.5	3.2	3.2	3.7	1.2	1.0	2.0	1.2	1.5	.9
261,2,6	Paper and pulp mills	-	1.4	1.9	-	.7	1.4	-	1.9	2.3	-	.5	1.1	-	.8	.6
263	Paperboard mills	-	1.4	2.3	-	1.2	1.9	-	2.3	2.6	-	.8	1.4	-	1.0	.6
264	Misc. converted paper products	-	2.3	3.8	-	1.5	3.0	-	4.0	4.4	-	1.2	2.3	-	2.0	1.1
2643	Bags, except textile bags	-	2.7	4.7	-	1.6	3.7	-	3.7	5.3	-	1.5	3.1	-	1.4	1.1
265	Paperboard containers and boxes	-	2.1	4.2	-	1.4	3.5	-	4.1	4.9	-	1.3	2.7	-	2.0	1.0
2651,2	Folding and setup paperboard boxes	-	1.8	4.5	-	1.3	3.8	-	4.8	5.1	-	1.4	2.9	-	2.7	1.1
2653	Corrugated and solid fiber boxes	-	1.8	3.7	-	1.3	3.2	-	3.3	4.3	-	1.2	2.7	-	1.3	.7
27	<b>PRINTING AND PUBLISHING</b>	2.7	2.1	3.2	1.8	1.5	2.6	3.3	3.1	3.4	1.4	1.3	2.0	1.2	1.2	.8
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	2.0	1.2	2.2	1.3	.8	1.7	2.6	1.8	2.5	.9	.6	1.2	.9	.7	.6
281	Industrial chemicals	-	.7	1.5	-	.5	1.2	-	1.4	1.7	-	.4	.8	-	.5	.3
282	Plastics materials and synthetics	-	.8	1.4	-	.5	1.0	-	1.2	1.9	-	.4	.9	-	.4	.5
2821	Plastics materials and resins	-	.8	1.6	-	.6	1.3	-	1.3	1.9	-	.4	1.0	-	.5	.4
2823,4	Synthetic fibers	-	.9	1.3	-	.4	.7	-	1.1	1.9	-	.4	.8	-	.2	.7
283	Drugs	-	1.0	2.2	-	.8	1.9	-	1.2	2.2	-	.6	1.2	-	.2	.4
2834	Pharmaceutical preparations	-	1.1	2.3	-	.9	2.0	-	1.2	2.3	-	.6	1.3	-	.2	.5
284	Soap, cleaners, and toilet goods	-	1.8	3.6	-	1.1	2.7	-	3.2	3.7	-	.9	1.7	-	1.7	1.1
2841	Soap and other detergents	-	1.7	2.5	-	.5	1.6	-	2.1	2.7	-	.2	.8	-	1.4	1.3
2844	Toilet preparations	-	2.0	4.7	-	1.4	3.6	-	4.8	4.9	-	1.4	2.2	-	2.7	1.5
285	Paints and allied products	-	1.2	2.5	-	.8	2.1	-	1.8	2.9	-	.8	1.5	-	.3	.6
286,9	Other chemical products	-	1.7	2.4	-	.8	1.6	-	3.4	3.5	-	.7	1.4	-	2.0	1.3
29	<b>PETROLEUM AND COAL PRODUCTS</b>	1.7	1.2	2.3	1.3	.9	2.0	1.9	2.4	2.6	.7	.6	1.1	.2	1.2	.7
291	Petroleum refining	-	.8	1.6	-	.6	1.4	-	1.6	1.8	-	.4	.7	-	.6	.5
295,9	Other petroleum and coal products	-	2.6	5.1	-	2.1	4.4	-	5.8	5.5	-	1.4	2.8	-	3.6	1.5
30	<b>RUBBER AND PLASTICS PRODUCTS, N E C</b>	3.9	2.8	4.7	2.2	1.4	3.4	4.7	4.2	5.6	1.7	1.3	2.6	2.1	2.1	1.8
301	Tires and inner tubes	-	2.1	2.1	-	.5	1.2	-	1.4	2.2	-	.4	.8	-	.3	.6
302,3,6	Other rubber products	-	2.4	4.2	-	1.3	2.6	-	3.6	5.3	-	1.2	2.2	-	1.7	2.0
307	Miscellaneous plastics products	-	3.4	6.0	-	1.8	4.7	-	5.7	7.1	-	1.8	3.6	-	3.1	2.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**
**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		
		Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970	Jan. 1971 <sup>P</sup>	Dec. 1970	Avg. 1970
<i>Nondurable Goods--Continued</i>																
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	5.2	4.1	5.8	3.5	2.8	4.1	6.5	5.7	6.5	2.7	2.2	3.5	2.8	2.4	2.0
311	Leather tanning and finishing .....	-	3.5	4.6	-	2.3	3.4	-	4.1	5.2	-	1.5	2.5	-	1.7	1.8
314	Footwear, except rubber .....	-	4.4	5.6	-	3.1	4.0	-	5.1	6.3	-	2.3	3.5	-	1.7	1.7
<b>NONMANUFACTURING</b>																
10	<b>METAL MINING</b> .....	2.7	2.4	3.8	2.2	1.8	3.1	3.2	3.7	3.7	1.7	1.2	2.2	.7	1.5	.6
101	Iron ores .....	-	1.9	3.1	-	.5	1.7	-	6.1	3.6	-	.4	1.1	-	4.0	1.5
102	Copper ores .....	-	2.3	3.7	-	1.8	3.0	-	1.9	2.9	-	1.1	1.9	-	.2	.1
11,12	<b>COAL MINING</b> .....	1.8	1.6	2.1	1.4	1.3	1.7	2.0	1.2	1.6	.6	.7	.9	.3	.1	.2
12	Bituminous coal and lignite mining .....	1.8	1.5	2.1	1.4	1.3	1.7	1.9	1.1	1.5	.6	.6	.9	.2	.1	.2
<b>COMMUNICATION:</b>																
481	Telephone communication .....	-	1.2	2.6	-	-	-	-	1.3	2.1	-	.9	1.5	-	.1	.2
482	Telegraph communication <sup>2</sup> .....	-	1.5	2.5	-	-	-	-	2.2	2.6	-	1.2	1.6	-	.3	.4

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

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

<sup>P</sup> = preliminary.

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

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

(Per 100 employees)												
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total accessions</b>												
1959.....	4.0	4.3	4.6	4.3	4.1	4.2	4.1	4.1	4.0	3.8	4.2	5.6
1960.....	4.2	4.1	3.7	3.6	3.8	3.7	3.6	3.9	3.8	3.5	3.6	3.6
1961.....	3.9	3.7	4.4	4.2	4.2	4.0	4.0	4.1	3.8	4.3	4.3	4.1
1962.....	4.3	4.2	4.1	4.2	4.2	4.0	4.2	4.0	4.0	3.9	3.8	3.8
1963.....	3.8	3.9	3.8	4.1	3.8	3.8	3.9	3.8	3.9	3.9	3.6	4.0
1964.....	3.8	4.0	4.0	4.0	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.1
1965.....	4.0	4.1	4.3	4.1	4.1	4.3	4.1	4.3	4.5	4.4	4.8	4.9
1966.....	4.9	5.0	5.3	5.0	5.1	5.1	4.7	5.1	5.0	4.9	4.8	4.6
1967.....	4.6	4.3	4.2	4.2	4.6	4.4	4.4	4.4	4.3	4.5	4.5	4.4
1968.....	4.5	4.6	4.3	4.7	4.7	4.4	4.7	4.7	4.6	4.8	4.8	4.9
1969.....	4.9	4.7	4.8	4.9	4.8	4.9	4.7	4.5	4.8	4.7	4.4	4.6
1970.....	4.2	4.3	3.9	4.0	4.2	4.0	4.1	4.1	3.8	3.6	3.7	3.8
1971.....	3.8p											
<b>New hires</b>												
1959.....	2.4	2.6	2.9	2.8	2.7	2.7	2.6	2.6	2.6	2.4	2.4	2.7
1960.....	2.6	2.8	2.4	2.2	2.3	2.2	2.1	2.2	2.1	1.9	1.9	1.8
1961.....	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.5	2.5	2.5
1962.....	2.6	2.6	2.6	2.6	2.7	2.5	2.6	2.4	2.4	2.3	2.3	2.1
1963.....	2.3	2.2	2.4	2.5	2.4	2.4	2.4	2.4	2.5	2.4	2.2	2.5
1964.....	2.4	2.5	2.6	2.6	2.4	2.6	2.6	2.6	2.7	2.6	2.7	2.8
1965.....	2.8	3.0	3.3	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.5	3.7
1966.....	3.7	3.8	4.3	3.9	4.0	3.9	3.7	3.8	3.7	3.8	3.8	3.5
1967.....	3.5	3.3	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.4
1968.....	3.4	3.3	3.3	3.5	3.5	3.3	3.5	3.5	3.6	3.6	3.5	3.7
1969.....	3.8	3.7	3.9	3.8	3.7	3.8	3.8	3.5	3.8	3.6	3.4	3.5
1970.....	3.3	3.1	3.0	2.8	2.7	2.7	2.8	2.9	2.7	2.4	2.3	2.3
1971.....	2.3p											
<b>Total separations</b>												
1959.....	3.6	3.6	3.6	3.8	3.8	3.9	4.0	4.2	4.2	5.1	4.7	4.1
1960.....	3.5	4.1	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.3	4.5	5.0
1961.....	4.6	4.6	4.2	3.6	3.8	4.0	4.0	3.7	4.1	3.9	4.0	4.1
1962.....	3.9	4.0	4.0	3.9	4.2	4.2	4.2	4.4	3.9	4.1	4.1	3.9
1963.....	4.0	3.8	3.9	3.9	3.9	3.8	3.9	4.1	3.8	3.8	4.0	3.9
1964.....	4.0	4.0	3.9	3.8	3.9	3.9	4.1	3.6	3.9	4.0	3.8	3.9
1965.....	3.8	3.7	3.8	4.1	3.9	4.0	4.0	4.2	4.2	4.3	4.2	4.3
1966.....	4.1	4.3	4.6	4.7	4.7	4.9	4.9	4.7	4.9	4.5	4.7	4.5
1967.....	4.6	4.8	5.1	4.7	4.6	4.7	4.4	4.3	4.6	4.5	4.5	4.1
1968.....	4.6	4.7	4.6	4.5	4.6	4.5	4.6	4.9	4.6	4.7	4.6	4.1
1969.....	4.7	4.8	4.9	4.9	5.0	5.0	4.9	5.0	4.8	5.0	4.8	4.5
1970.....	5.0	5.1	5.0	5.2	5.0	4.8	4.9	4.5	4.4	5.0	4.8	4.4
1971.....	4.6p											
<b>Quits</b>												
1959.....	1.4	1.3	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
1960.....	1.5	1.6	1.5	1.5	1.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961.....	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962.....	1.3	1.4	1.4	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.3
1963.....	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
1964.....	1.4	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.5	1.6
1965.....	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	2.0	2.0	2.1	2.2
1966.....	2.2	2.3	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.7
1967.....	2.5	2.4	2.4	2.3	2.3	2.4	2.2	2.3	2.3	2.3	2.4	2.4
1968.....	2.4	2.4	2.4	2.3	2.5	2.4	2.5	2.7	2.5	2.6	2.6	2.5
1969.....	2.7	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.6	2.7	2.6	2.5
1970.....	2.5	2.4	2.2	2.2	2.1	2.2	2.2	2.1	2.0	1.9	1.7	1.9
1971.....	1.8p											
<b>Layoffs</b>												
1959.....	1.8	1.7	1.7	1.7	1.6	1.7	1.9	2.0	2.0	2.9	2.5	1.9
1960.....	1.5	1.9	2.3	2.4	2.3	2.5	2.4	2.6	2.5	2.6	2.7	2.8
1961.....	2.7	3.0	2.5	2.1	2.2	2.3	2.2	2.0	2.2	1.9	1.9	2.0
1962.....	1.8	1.9	1.7	1.8	2.0	2.0	2.0	2.4	2.0	2.0	2.0	1.9
1963.....	1.9	1.8	1.9	1.8	1.8	1.7	1.7	2.0	1.9	1.8	1.8	1.7
1964.....	1.8	1.8	1.8	1.6	1.7	1.6	1.7	1.5	1.6	1.7	1.5	1.6
1965.....	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.3	1.4	1.4
1966.....	1.2	1.1	1.1	1.2	1.1	1.3	1.5	1.2	1.1	1.1	1.2	1.3
1967.....	1.3	1.4	1.7	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2
1968.....	1.3	1.3	1.2	1.2	1.2	1.1	1.3	1.4	1.2	1.2	1.1	1.1
1969.....	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.3	1.3	1.4
1970.....	1.5	1.7	1.8	2.0	1.9	1.9	1.6	1.8	1.9	2.2	2.0	1.8
1971.....	1.8p											

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	
	Dec. 1970 <sup>p</sup>	Nov. 1970	Dec. 1970 <sup>p</sup>	Nov. 1970	Dec. 1970 <sup>p</sup>	Nov. 1970	Dec. 1970 <sup>p</sup>	Nov. 1970	Dec. 1970 <sup>p</sup>	Nov. 1970
<b>ALABAMA:</b>										
Birmingham	1.9	2.9	1.2	1.9	2.4	3.0	1.0	1.1	0.7	1.2
Mobile <sup>1</sup>	2.4	2.6	1.0	.9	6.7	6.1	1.3	1.8	4.7	3.8
<b>ALASKA</b>	7.0	5.8	5.3	3.8	12.5	15.2	3.1	5.7	8.7	8.2
<b>ARIZONA</b>										
Phoenix	2.6	3.8	2.0	2.7	5.3	4.8	1.6	1.8	2.9	2.0
	2.2	3.5	1.5	2.4	5.3	4.6	1.4	1.6	3.0	2.2
<b>ARKANSAS</b>										
Fort Smith	3.3	4.1	2.4	3.2	5.3	5.6	2.0	2.8	2.6	2.1
Little Rock-North Little Rock	2.0	3.6	1.7	2.9	5.3	5.2	1.6	3.1	2.8	1.5
Pine Bluff	2.7	3.6	2.4	3.1	6.4	5.0	2.2	2.8	3.2	1.6
	2.9	3.9	1.3	2.7	7.3	3.6	1.7	1.6	5.2	1.4
<b>COLORADO</b>										
Denver	3.0	3.8	1.8	2.7	4.5	3.8	1.5	1.7	2.4	1.5
	2.7	3.7	1.9	2.9	3.8	3.2	1.4	1.6	1.8	.9
<b>CONNECTICUT</b>										
Hartford	2.0	2.2	1.0	1.3	3.3	3.1	.9	1.1	1.5	1.4
	1.6	1.5	.9	.9	2.0	2.1	.7	1.0	.6	.5
<b>DELAWARE<sup>1</sup></b>										
Wilmington <sup>1</sup>	1.6	2.0	.9	1.0	1.9	2.9	.6	.7	.6	1.5
	1.7	2.0	1.0	1.0	2.2	2.8	.7	.8	.7	1.3
<b>DISTRICT OF COLUMBIA:</b>										
Washington SMSA	(*)	1.7	(*)	1.6	(*)	2.0	(*)	1.5	(*)	.2
<b>FLORIDA</b>										
Fort Lauderdale-Hollywood	4.9	8.2	3.9	5.1	5.2	5.4	2.8	2.9	1.6	1.8
Jacksonville	4.7	4.7	3.7	4.0	5.3	6.4	2.6	2.8	2.0	2.3
Miami	2.9	7.6	2.7	4.4	4.7	8.7	2.4	3.3	1.2	3.6
Orlando	4.2	4.7	3.9	3.9	4.4	4.8	2.2	2.3	1.5	1.7
Pensacola	6.7	4.9	3.6	3.5	3.7	6.1	1.6	2.3	1.4	3.1
Tampa-St. Petersburg	.8	1.2	.8	1.1	1.4	1.2	.6	.9	.6	.1
West Palm Beach	4.3	6.8	3.6	5.7	8.4	6.2	3.0	3.7	4.3	1.5
	5.5	7.9	4.6	4.9	6.4	4.6	2.6	2.3	2.4	1.2
<b>GEORGIA</b>										
Atlanta <sup>2</sup>	2.7	4.0	2.0	3.2	3.9	4.3	2.3	2.8	.9	.7
	2.2	3.4	1.7	2.7	4.0	4.6	2.0	2.7	1.3	1.2
<b>HAWAII<sup>3</sup></b>										
	1.8	2.3	1.1	1.3	2.6	2.5	1.0	1.0	1.2	.6
<b>IDAHO<sup>4</sup></b>										
	3.6	3.3	1.7	2.6	5.7	8.2	1.9	2.4	3.4	5.1
<b>ILLINOIS:</b>										
Chicago	2.1	2.6	1.5	2.0	3.7	3.7	1.4	1.6	1.5	1.2
<b>INDIANA<sup>1</sup></b>										
Indianapolis <sup>5</sup>	2.1	2.4	.9	1.1	3.5	4.3	.7	1.0	2.1	2.4
	1.2	1.8	.5	1.0	2.3	3.5	.5	.8	1.3	1.9
<b>IOWA</b>										
Cedar Rapids	1.9	2.8	1.1	1.7	3.9	3.8	1.0	1.4	2.4	1.9
Des Moines	2.1	1.9	1.2	1.3	4.2	4.0	1.0	.8	2.8	2.7
	2.1	3.1	1.3	1.9	3.1	3.6	1.2	1.9	1.1	1.0
<b>KANSAS</b>										
Topeka	2.4	2.5	1.4	1.7	2.9	3.6	.9	1.4	1.5	1.6
Wichita	3.1	2.3	2.0	1.1	1.4	2.0	1.1	1.2	.1	.4
	1.2	1.2	.6	.7	3.3	3.9	.6	.8	2.3	2.4
<b>KENTUCKY:</b>										
Louisville	2.2	3.4	1.2	2.0	3.4	3.5	1.2	1.2	1.4	1.6
	1.5	2.3	.8	1.4	3.2	2.5	.8	1.0	1.2	.9
<b>LOUISIANA:</b>										
New Orleans	3.0	3.9	1.9	2.5	5.2	3.4	.9	1.2	3.2	1.2
<b>MAINE</b>										
Portland	4.3	4.8	2.6	3.1	5.4	6.4	1.9	2.1	2.7	3.4
	1.9	2.4	.9	1.8	2.8	5.1	1.3	1.7	1.0	2.9
<b>MARYLAND</b>										
Baltimore	2.0	2.6	1.3	1.8	3.3	4.3	1.1	1.5	1.5	2.0
	2.0	2.6	1.2	1.8	3.3	4.2	1.1	1.4	1.6	2.0

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Dec. 1970 <sup>P</sup>	Nov. 1970	Dec. 1970 <sup>P</sup>	Nov. 1970	Dec. 1970 <sup>P</sup>	Nov. 1970	Dec. 1970 <sup>P</sup>	Nov. 1970	Dec. 1970 <sup>P</sup>	Nov. 1970
MASSACHUSETTS.....	2.2	2.7	1.3	1.8	4.3	3.9	1.2	1.4	2.3	1.8
Boston.....	2.4	2.5	1.5	1.7	4.2	3.5	1.2	1.3	2.4	1.5
MICHIGAN.....	2.2	2.9	.8	.9	4.7	4.8	.6	.9	3.2	2.9
Detroit.....	2.0	2.7	.7	.8	5.4	4.0	.7	.9	3.8	2.0
MINNESOTA.....	2.9	2.9	1.4	1.7	4.3	5.4	1.2	1.4	2.4	3.3
Minneapolis-St. Paul.....	2.5	2.5	1.1	1.3	4.2	6.1	1.0	1.2	2.4	4.3
MISSISSIPPI:										
Jackson.....	2.4	3.2	2.1	2.7	4.8	3.6	1.9	2.4	2.0	.3
MISSOURI.....	2.0	2.5	1.2	1.6	3.3	3.8	1.1	1.3	1.5	1.9
Kansas City.....	1.7	2.9	1.1	2.1	3.5	4.3	1.1	1.6	1.8	2.0
St. Louis.....	1.8	2.1	.9	1.1	2.5	3.2	.6	.8	1.2	1.8
MONTANA.....	2.2	2.1	1.9	1.8	4.1	4.4	1.3	1.7	2.0	1.9
NEBRASKA.....	(*)	3.2	(*)	2.8	(*)	4.9	(*)	2.3	(*)	1.9
NEVADA.....	5.5	4.1	3.6	3.6	5.3	3.9	2.1	1.2	.8	.7
NEW HAMPSHIRE.....	3.4	3.7	2.3	2.9	4.0	4.5	1.9	2.2	1.5	1.7
NEW JERSEY:										
Camden <sup>6</sup> .....	2.4	3.0	1.3	2.3	2.9	3.9	.9	1.2	1.2	1.7
Jersey City.....	1.8	2.5	1.1	1.8	3.3	3.5	.9	1.2	1.9	1.5
Newark.....	1.8	2.2	1.4	1.6	2.9	3.1	1.0	1.1	1.2	1.3
Paterson-Clifton-Passaic.....	1.8	2.7	1.3	2.1	4.5	4.1	1.1	1.4	2.6	1.9
Perth Amboy.....	2.0	2.6	1.2	2.0	3.7	3.0	1.1	1.2	1.7	.9
Trenton.....	1.7	2.2	1.1	1.6	2.7	2.6	.8	.9	1.4	1.0
NEW YORK.....	2.3	2.9	1.3	1.7	5.1	4.2	1.0	1.2	3.4	2.3
Albany-Schenectady-Troy.....	2.2	2.1	1.3	1.4	2.3	2.5	.8	1.0	.8	.8
Binghamton.....	1.0	1.3	.5	.7	2.6	2.3	.6	.7	1.3	.9
Buffalo.....	1.7	1.7	.6	.7	3.2	3.4	.5	.7	2.1	2.1
Elmira.....	1.6	2.0	.9	1.5	2.5	4.5	.5	1.2	1.2	2.5
Monroe County <sup>7</sup> .....	1.2	1.2	.7	.9	3.9	3.2	.5	.7	2.8	2.1
Nassau and Suffolk Counties <sup>8</sup> .....	2.5	3.0	1.8	2.2	4.4	4.4	1.4	1.3	2.3	2.5
New York SMSA.....	2.9	3.6	1.7	2.2	6.5	4.9	1.3	1.4	4.4	2.7
New York City <sup>8</sup> .....	3.1	3.9	1.7	2.3	7.0	5.2	1.3	1.5	4.9	2.9
Rochester.....	1.3	1.5	.8	1.1	4.4	3.7	.6	.9	3.3	2.3
Syracuse.....	1.3	2.4	.7	.8	3.0	2.9	.7	1.1	1.8	1.3
Utica-Rome.....	1.6	2.1	1.0	1.4	3.7	3.1	.7	.8	2.6	1.7
Westchester County <sup>8</sup> .....	1.8	2.6	1.3	1.9	4.8	3.2	1.2	1.5	2.8	1.1
NORTH CAROLINA.....	2.4	3.5	1.9	2.9	3.3	3.9	2.0	2.5	.7	.7
Charlotte.....	2.0	5.0	1.8	3.4	3.9	4.7	2.3	3.5	1.2	.8
Greensboro-Winston-Salem-High Point.....	2.0	3.3	1.7	2.9	2.7	3.2	1.7	2.2	.4	.3
NORTH DAKOTA.....	3.9	5.7	3.0	5.1	8.4	7.0	2.5	3.1	4.8	2.8
Fargo-Moorhead.....	3.3	2.3	2.6	1.7	7.4	3.5	1.5	1.1	5.3	1.5
OHIO.....	3.2	2.4	.8	1.1	3.1	4.0	.7	.9	1.7	2.4
Akron.....	1.5	1.6	.6	.5	2.1	2.4	.5	.7	1.1	1.2
Canton.....	3.2	3.1	1.0	1.4	3.6	4.9	.7	.9	1.8	3.2
Cincinnati.....	1.7	1.9	.8	1.1	3.7	3.3	.6	1.0	2.4	1.7
Cleveland.....	1.9	2.2	.8	1.0	3.4	3.8	.8	1.0	1.9	2.1
Columbus.....	1.5	2.4	1.0	1.8	2.9	3.5	1.0	1.2	1.4	1.7
Dayton.....	7.7	2.2	.5	.5	3.2	7.0	.4	.6	2.0	5.5
Toledo.....	1.8	4.7	.8	1.3	3.3	3.9	.6	1.2	1.8	1.8
Youngstown-Warren.....	10.8	1.7	1.0	.6	3.1	4.0	.6	.6	1.7	2.5
OKLAHOMA:										
Oklahoma City.....	4.4	4.4	3.1	3.5	4.4	4.2	2.1	2.7	1.7	.9
Tulsa <sup>9</sup> .....	2.9	2.7	2.4	2.4	4.2	5.0	1.8	1.8	1.3	1.9
OREGON <sup>1</sup> .....	2.0	2.5	1.3	1.8	5.7	4.3	1.2	1.2	3.9	2.5
Portland <sup>1</sup> .....	1.8	2.4	1.1	1.5	3.5	3.1	1.0	1.1	2.0	1.4

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	
	Dec. 1970	Nov. 1970	Dec. 1970	Nov. 1970	Dec. 1970	Nov. 1970	Dec. 1970	Nov. 1970	Dec. 1970	Nov. 1970
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	1.6	2.3	0.8	1.6	2.7	3.7	0.8	1.2	1.2	1.8
Altoona	1.9	3.9	1.3	2.5	6.5	4.8	1.3	1.9	4.9	2.7
Erie	2.9	3.7	1.1	2.1	7.9	4.8	1.0	1.7	6.3	2.3
Harrisburg	1.4	1.7	.7	1.2	2.1	2.6	.8	.9	.8	1.1
Johnstown	4.0	4.9	.3	.3	4.1	5.1	.5	.7	3.4	4.0
Lancaster	1.8	3.1	1.2	2.5	5.0	3.1	1.7	1.7	2.5	.9
Philadelphia	2.1	3.1	1.2	1.7	3.5	3.6	.9	1.1	1.9	1.7
Pittsburgh	1.9	2.3	.3	.6	2.9	3.0	.4	.4	2.0	1.9
Reading	1.8	3.1	1.0	2.3	2.8	3.2	1.1	1.4	1.3	1.2
Scranton	3.4	3.5	1.3	1.6	4.7	5.6	.8	.9	3.5	4.3
Wilkes-Barre-Hazleton	2.3	2.5	1.0	1.7	4.0	4.0	1.0	1.5	2.6	1.8
York	2.4	3.3	1.8	2.6	3.2	7.0	1.4	2.3	1.3	4.2
RHODE ISLAND:										
Providence-Pawtucket-Warwick	2.6	3.9	1.6	3.0	5.3	4.9	1.6	2.3	2.8	2.0
	2.2	3.8	1.4	2.9	5.8	5.1	1.5	2.4	3.5	2.1
SOUTH CAROLINA:										
Greenville	(*)	3.3	(*)	2.9	(*)	4.1	(*)	2.7	(*)	.6
SOUTH DAKOTA:										
Sioux Falls	2.8	3.7	1.1	1.7	5.2	3.4	1.3	1.2	3.6	1.8
	4.0	4.5	.5	.5	6.9	4.0	1.2	.9	5.5	2.8
TENNESSEE:										
Memphis	2.2	3.3	1.4	2.6	5.5	4.8	1.3	1.5	3.4	2.2
TEXAS:										
Dallas	2.0	2.5	1.7	2.3	4.6	3.9	1.6	2.0	2.2	1.1
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	2.0	2.7	1.7	2.3	2.7	3.0	1.5	1.6	.4	.6
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH <sup>4</sup> :										
Salt Lake City <sup>4</sup>	2.7	2.9	1.8	2.0	6.7	3.7	1.8	1.3	4.4	1.7
	2.5	2.9	2.0	2.5	4.0	3.7	2.4	1.7	1.1	1.2
VERMONT:										
Burlington	1.7	1.7	1.2	1.1	3.5	3.5	.9	1.1	2.0	1.9
Springfield	1.1	.8	.7	.5	2.0	2.4	1.1	.7	.7	1.3
	1.3	1.4	1.0	1.1	6.6	3.2	.9	.5	4.8	2.2
VIRGINIA:										
Richmond	2.6	3.3	1.7	2.5	3.3	3.7	1.5	1.9	1.2	1.2
	2.9	3.3	2.3	2.6	3.7	3.0	1.5	1.7	1.4	.6
WASHINGTON:										
Seattle-Everett <sup>10</sup>	1.3	1.8	.7	.9	4.3	3.7	.7	.7	3.2	2.5
WEST VIRGINIA:										
Charleston	.1	.4	.1	.3	.5	.8	.2	.3	.1	.3
WISCONSIN:										
Milwaukee	2.0	2.9	.9	1.2	3.4	4.4	.7	.9	2.1	2.8
	2.3	4.0	1.0	1.2	2.9	4.1	.8	1.0	1.4	2.2
WYOMING:										
	2.9	3.8	2.5	3.2	6.7	7.7	2.2	3.2	3.8	3.6

<sup>1</sup> Excludes canning and preserving.

<sup>2</sup> Excludes agricultural chemicals and miscellaneous manufacturing.

<sup>3</sup> Excludes canned fruits, vegetables, preserves, jams and jellies.

<sup>4</sup> Excludes canning and preserving, and sugar.

<sup>5</sup> Excludes canning and preserving, and newspapers.

<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

<sup>7</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>8</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>9</sup> Excludes new-hire rate for transportation equipment.

<sup>10</sup> Excludes canning and preserving, printing and publishing.

\* Not available.

p = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

# ESTABLISHMENT DATA

## JOB VACANCY

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

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Number of job vacancies (In thousands)													
1969 . . . . .	-	-	-	293	290	240	256	312	288	242	209	185	263
1970 . . . . .	186	170	165	158	151	123	126	137	118	93	76	77	132
Job vacancy rates <sup>1</sup>													
1969 . . . . .	-	-	-	1.4	1.4	1.2	1.3	1.5	1.4	1.2	1.0	0.9	1.3
1970 . . . . .	0.9	0.8	0.8	.8	.8	.6	.6	.7	.6	.5	.4	.4	.7
Number of long-term job vacancies <sup>2</sup> (In thousands)													
1969 . . . . .	-	-	-	137	131	110	109	121	127	111	101	90	120
1970 . . . . .	76	69	67	60	58	45	44	43	38	33	30	29	49
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

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

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

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

Industry division and group	1970 annual average	1970												1969 Dec.
		Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	
Job vacancy rates <sup>1</sup>														
Manufacturing . . . . .	0.7	0.4	0.4	0.5	0.6	0.7	0.6	0.6	0.8	0.8	0.8	0.8	0.9	0.9
Durable goods . . . . .	.6	.3	.3	.4	.5	.6	.6	.6	.7	.7	.8	.9	1.0	1.0
Nondurable goods . . . . .	.7	.5	.5	.6	.7	.8	.7	.7	.9	.9	.9	.8	.9	.9
Selected durable goods industries:														
Primary metal industries . . . . .	.5	.2	.2	.3	.4	.6	.4	.5	.6	.7	.6	.6	.8	.7
Machinery, except electrical . . . . .	.7	.4	.4	.4	.5	.6	.5	.6	.8	.9	1.0	1.0	1.2	1.1
Electrical equipment and supplies . . . . .	.7	.4	.3	.4	.6	.7	.6	.6	.8	.8	.9	1.1	1.1	1.2
Transportation equipment . . . . .	.5	.4	.4	.4	.4	.6	.5	.5	.6	.5	.7	.6	.8	.8
Instruments and related products . . . . .	1.0	.5	.4	.6	.7	.7	.6	.7	1.1	1.4	1.7	1.7	1.6	1.4
Selected nondurable goods industries:														
Textile mill products . . . . .	.9	.6	.6	.8	1.0	1.0	.9	.8	1.1	1.1	1.0	.9	.9	.9
Apparel and other textile products . . . . .	1.4	1.1	1.1	1.1	1.4	1.5	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.5
Printing and publishing . . . . .	.6	.3	.4	.4	.5	.6	.5	.5	.6	.7	.7	.7	.8	.8
Chemicals and allied products . . . . .	.7	.4	.4	.4	.6	.6	.6	.8	.7	.8	1.0	.9	.9	.8
Long-term job vacancy rates <sup>2</sup>														
Manufacturing . . . . .	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4
Durable goods . . . . .	.3	.1	.1	.1	.2	.2	.2	.2	.2	.3	.3	.3	.4	.5
Nondurable goods . . . . .	.3	.2	.2	.2	.2	.3	.3	.3	.3	.3	.3	.4	.4	.4
Selected durable goods industries:														
Primary metal industries . . . . .	.2	.1	.1	.1	.1	.1	.2	.1	.2	.3	.2	.2	.3	.3
Machinery, except electrical . . . . .	.3	.1	.1	.2	.2	.2	.2	.2	.3	.4	.4	.5	.5	.6
Electrical equipment and supplies . . . . .	.2	.1	.1	.1	.1	.2	.1	.1	.2	.2	.3	.3	.4	.5
Transportation equipment . . . . .	.2	.1	.2	.1	.1	.2	.2	.1	.2	.2	.3	.2	.3	.4
Instruments and related products . . . . .	.4	.1	.1	.1	.1	.2	.2	.2	.4	.6	.9	.8	.6	.6
Selected nondurable goods industries:														
Textile mill products . . . . .	.3	.1	.2	.2	.2	.2	.2	.2	.3	.3	.3	.3	.3	.4
Apparel and other textile products . . . . .	.7	.6	.6	.6	.7	.8	.7	.8	.8	.8	.8	.8	.8	.9
Printing and publishing . . . . .	.2	.1	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.3	.3
Chemicals and allied products . . . . .	.3	.2	.2	.2	.2	.2	.3	.3	.4	.4	.4	.3	.4	.4
Long-term job vacancies as a percent of job vacancies <sup>3</sup>														
Manufacturing . . . . .	37	38	40	35	32	31	35	36	37	38	40	41	41	48
Durable goods . . . . .	36	36	37	34	30	30	33	33	35	37	40	40	41	48
Nondurable goods . . . . .	39	41	42	37	34	33	38	40	39	39	41	42	41	49
Selected durable goods industries:														
Primary metal industries . . . . .	35	29	34	44	31	27	36	29	39	37	39	41	40	45
Machinery, except electrical . . . . .	43	40	39	40	38	37	42	38	42	42	46	47	46	54
Electrical equipment and supplies . . . . .	28	26	30	27	24	25	22	22	27	28	30	32	36	42
Transportation equipment . . . . .	35	38	40	34	31	32	37	30	28	41	39	37	38	52
Instruments and related products . . . . .	37	25	28	21	20	24	23	34	39	41	51	49	36	42
Selected nondurable goods industries:														
Textile mill products . . . . .	26	24	25	23	22	21	24	29	28	26	29	31	30	43
Apparel and other textile products . . . . .	53	52	56	51	51	50	52	55	53	54	54	52	52	62
Printing and publishing . . . . .	31	26	23	23	22	21	27	32	30	33	38	36	35	38
Chemicals and allied products . . . . .	43	45	51	49	38	31	45	43	48	49	42	40	48	52

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

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

<sup>3</sup> Percentages are computed using unrounded rates.



## ESTABLISHMENT DATA NATIONAL AND AREA JOB VACANCY

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

Industry division and group	1970 annual average	1970												1969	
		Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	
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	100.0	100.0
Durable goods .....	53.8	48.5	46.6	49.1	48.8	51.5	51.0	52.1	53.7	54.8	56.9	58.9	60.3	61.0	
Primary metal industries .....	5.0	4.1	3.8	3.5	5.0	5.5	4.5	5.3	5.6	6.2	4.6	4.4	5.6	5.3	
Machinery, except electrical .....	10.5	8.9	9.1	8.6	8.5	8.1	8.4	10.5	10.6	11.3	12.2	12.6	12.9	12.6	
Electrical equipment and supplies .....	10.3	9.0	8.4	9.0	9.3	9.8	10.0	9.1	9.7	10.0	10.9	12.5	12.1	13.4	
Transportation equipment .....	7.3	8.6	7.5	7.0	5.9	7.2	6.6	7.0	7.2	6.1	8.3	7.1	8.5	8.4	
Instruments and related products .....	3.5	2.6	2.4	3.1	2.5	2.4	2.4	2.6	3.6	4.4	5.0	4.9	4.1	3.6	
Other durable goods industries .....	17.2	15.3	15.4	17.9	17.5	18.6	19.3	17.6	16.9	16.5	15.8	17.4	17.2	17.6	
Nondurable goods .....	46.2	51.5	53.4	50.9	51.2	48.5	49.0	47.9	46.3	45.2	43.1	41.1	39.7	39.0	
Textile mill products .....	6.6	7.7	8.1	8.1	8.1	7.1	6.9	6.7	6.8	7.0	6.0	5.1	4.5	4.7	
Apparel and other textile products .....	15.1	20.4	20.7	17.2	16.3	15.7	15.0	16.6	14.3	13.2	13.4	13.6	12.1	11.6	
Printing and publishing .....	4.7	4.1	5.2	5.2	4.6	5.1	4.4	4.3	4.4	5.0	4.7	4.5	5.1	4.8	
Chemicals and allied products .....	5.5	6.1	5.4	4.6	5.2	4.9	5.3	6.0	5.4	5.6	5.9	5.6	5.2	4.5	
Other nondurable goods industries .....	14.3	13.2	14.0	15.9	17.0	15.7	17.4	14.3	15.3	14.4	13.2	12.2	12.9	13.3	

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

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total <sup>1</sup>		Long-term <sup>2</sup>			Total <sup>1</sup>		Long-term <sup>2</sup>	
	Dec. 1970 <sup>P</sup>	Nov. 1970	Dec. 1970 <sup>P</sup>	Nov. 1970		Dec. 1970 <sup>P</sup>	Nov. 1970	Dec. 1970 <sup>P</sup>	Nov. 1970
United States <sup>3</sup> .....	0.4	0.4	0.2	0.2	Areas—Continued				
Albany-Schenectady— Troy, N. Y. ....	.5	.6	.3	.3	Minneapolis-St. Paul, Minn. ....	0.3	0.2	0.1	*
Atlanta, Ga. ....	.3	.3	*	*	New Orleans, La. ....	.4	.6	.3	0.4
Baltimore, Md. ....	.4	.4	.2	.2	Newark, N. J. ....	.3	.3	.1	.1
Boston, Mass. ....	.7	.8	.3	.3	New York, N. Y. ....	.5	.4	.2	.2
Buffalo, N. Y. ....	.3	.2	.1	.1	Oklahoma City, Okla. ....	.4	.5	*	*
Cedar Rapids, Iowa ....	.4	.3	*	*	Paterson-Clifton— Passaic, N. J. ....	.2	.3	.1	.1
Dallas, Tex. ....	.4	.3	.3	.1	Perth Amboy, N. J. ....	.5	.5	.2	.2
Denver, Colo. ....	.4	.5	.2	.2	Philadelphia, Pa. ....	.4	.4	.1	.2
Des Moines, Iowa. ....	.4	.2	.1	.1	Phoenix, Ariz. ....	.1	.3	*	.2
Detroit, Mich. ....	.1	.3	.1	.1	Portland, Oreg. ....	.2	.2	*	.1
Greensboro-Winston-Salem— High Point, N. C. ....	.9	.9	.3	.3	Providence-Pawtucket— Warwick, R. I. ....	.3	.4	.1	.2
Houston, Tex. ....	.7	.8	.4	.5	Richmond, Va. ....	.4	.4	.2	.1
Jersey City, N. J. ....	.2	.1	.1	*	Salt Lake City, Utah. ....	.2	.1	*	*
Kansas City, Mo. ....	.4	.3	.1	.1	St. Louis, Mo. ....	.2	.2	.1	.1
Little Rock-North Little Rock, Ark. ....	.3	.4	.2	.3	Syracuse, N. Y. ....	.2	.1	.1	*
Miami, Fla. ....	.5	.5	.2	.2	Tampa-St. Petersburg, Fla.	.6	.6	.1	.1
Milwaukee, Wis. ....	.3	.3	.1	.1	Wichita, Kans. ....	.5	.4	.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>P</sup> preliminary.

\* Less than 0.05.

Source: Cooperating State agencies listed on inside back cover.

# UNEMPLOYMENT INSURANCE DATA

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## F-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	Feb. 1971	Jan. 1971	Feb. 1970	Change to Feb. 1971 from <sup>1</sup>		Feb. 1971	Jan. 1971	Feb. 1970
				Jan. 1971	Feb. 1970			
<b>TOTAL</b> <sup>2</sup> .....	2,751.4	2,797.8	1,924.4	-46.4	+827.0	5.2	5.2	3.7
<b>SEASONALLY ADJUSTED</b> .....	1,985.3	1,993.1	1,392.3	-7.8	+593.0	3.7	3.7	2.7
Alabama .....	27.4	29.6	20.3	-2.2	+7.1	3.9	4.2	3.0
Alaska* .....	7.8	7.7	6.5	+1	+1.3	14.1	13.9	13.0
Arizona .....	15.4	15.9	7.4	-.5	+7.9	4.0	4.1	2.1
Arkansas .....	23.2	26.6	19.3	-3.4	+3.9	5.8	6.7	4.9
California* .....	351.9	378.5	276.5	-26.6	+75.4	6.6	7.1	5.4
Colorado .....	9.4	11.9	8.7	-2.5	+7	1.9	2.4	1.8
Connecticut* .....	79.5	83.5	37.8	-3.9	+41.7	7.7	8.1	3.8
Delaware .....	6.8	6.7	4.4	+1	+2.4	4.0	3.9	2.6
District of Columbia .....	8.5	7.8	6.6	+7	+1.9	2.4	2.2	1.9
Florida .....	40.9	39.1	23.3	+1.8	+17.6	2.7	2.6	1.7
Georgia .....	25.9	26.8	19.2	-.9	+6.7	2.3	2.4	1.8
Hawaii .....	10.0	11.4	5.5	-1.4	+4.5	4.0	4.5	2.4
Idaho* .....	9.9	10.3	8.5	-.5	+1.4	6.4	6.8	5.8
Illinois .....	130.6	122.3	83.1	+8.4	+47.6	4.0	3.8	2.6
Indiana .....	61.3	58.8	40.7	+2.6	+20.6	4.3	4.1	2.9
Iowa .....	25.1	24.2	15.9	+9	+9.2	4.3	4.2	2.8
Kansas .....	24.7	25.0	16.6	-.4	+8.0	5.6	5.7	3.8
Kentucky .....	32.8	31.5	28.1	+1.3	+4.7	5.3	5.1	4.6
Louisiana .....	34.3	35.8	33.7	-1.5	+6	4.7	4.9	4.6
Maine .....	18.0	18.8	11.4	-.8	+6.6	8.0	8.4	5.1
Maryland .....	38.6	38.0	27.5	+6	+11.1	4.1	4.0	3.0
Massachusetts* .....	122.3	121.8	74.9	+5	+47.5	7.0	7.0	4.3
Michigan* .....	166.6	171.0	139.2	-4.4	+27.3	6.8	7.0	5.8
Minnesota .....	51.8	54.2	31.4	-2.4	+20.4	5.3	5.5	3.3
Mississippi .....	15.1	14.9	12.6	+2	+2.4	3.9	3.8	3.4
Missouri .....	70.5	66.6	42.3	+4.0	+28.2	5.9	5.5	3.6
Montana .....	9.1	9.4	8.1	-.2	+1.0	7.3	7.5	6.5
Nebraska .....	10.8	11.0	7.3	-.3	+3.5	3.5	3.6	2.5
Nevada .....	9.3	10.7	6.4	-1.4	+2.9	5.8	6.7	4.4
New Hampshire .....	8.9	8.9	4.0	+1	+5.0	4.5	4.5	2.0
New Jersey* .....	140.9	141.3	95.9	-.3	+45.1	6.8	6.8	4.9
New Mexico .....	10.4	11.0	7.6	-.6	+2.8	5.6	5.9	4.2
New York* .....	314.9	313.1	219.8	+1.8	+95.1	5.5	5.5	3.9
North Carolina .....	49.0	48.2	34.2	+9	+14.9	3.6	3.6	2.6
North Dakota .....	6.7	6.5	4.6	+2	+2.0	7.9	7.7	5.6
Ohio .....	124.9	122.7	73.5	+2.2	+51.3	4.2	4.1	2.5
Oklahoma .....	22.0	21.8	15.2	+2	+6.8	4.5	4.4	3.2
Oregon* .....	41.0	46.4	34.3	-5.4	+6.7	7.5	8.5	6.4
Pennsylvania .....	175.4	176.8	108.0	-1.4	+67.4	5.1	5.2	3.2
Puerto Rico <sup>2</sup> .....	40.9	50.5	31.3	-9.6	+9.6	10.0	11.4	8.3
Rhode Island* .....	21.0	21.9	13.5	-.9	+7.5	7.5	7.8	4.9
South Carolina .....	22.6	22.4	15.8	+2	+6.9	3.7	3.7	2.6
South Dakota .....	3.8	3.9	2.9	-.1	+9	4.0	4.2	3.1
Tennessee .....	50.8	52.6	38.7	-1.9	+12.1	5.3	5.5	4.1
Texas .....	58.7	58.1	37.6	+6	+21.1	2.3	2.2	1.5
Utah .....	11.2	12.6	10.3	-1.4	+9	5.1	5.7	4.7
Vermont* .....	8.1	8.0	4.2	+1	+3.9	7.9	7.8	4.2
Virginia .....	19.1	16.8	15.4	+2.3	+3.7	1.9	1.7	1.6
Washington* .....	88.6	98.6	69.6	-10.0	+19.0	10.9	12.2	8.4
West Virginia .....	21.6	21.0	17.9	+5	+3.7	6.0	5.9	5.1
Wisconsin .....	70.9	62.5	45.0	+8.3	+25.8	6.1	5.5	4.0
Wyoming .....	2.6	2.3	2.0	+4	+6	3.6	3.1	2.9

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

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

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

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	Feb. 1971	Feb. 1970	State and area	Feb. 1971	Feb. 1970	State and area	Feb. 1971	Feb. 1970	State and area	Feb. 1971	Feb. 1970
<b>ALABAMA</b>			<b>INDIANA</b>			<b>NEW HAMPSHIRE</b>			<b>Pennsylvania--</b>		
Birmingham.....	5.5	4.1	Evansville.....	2.7	2.1	Manchester.....	1.5	.7	continued		
Mobile.....	2.9	2.0	Ft. Wayne.....	3.0	1.2				York.....	3.8	2.0
			Gary-Hammond..	5.0	3.0						
			Indianapolis....	12.1	8.8	<b>NEW JERSEY*</b>			<b>PUERTO RICO*</b>		
<b>ARIZONA</b>			South Bend.....	4.2	2.7	Atlantic City....	6.5	4.9	Mayaguez.....	2.1	1.8
Phoenix.....	10.4	4.1	Terre Haute.....	2.5	1.4	Jersey City.....	18.6	11.4	Ponce.....	2.2	2.4
						Newark.....	36.7	25.4	San Juan.....	7.8	5.5
			<b>IOWA</b>			New Brunswick..	13.1	8.1			
<b>ARKANSAS</b>			Cedar Rapids....	2.3	.8	Paterson.....	27.7	18.3			
Little Rock.....	2.0	1.6	Des Moines.....	2.1	1.3	Trenton.....	4.3	2.8			
									<b>RHODE ISLAND*</b>		
<b>CALIFORNIA*</b>			<b>KANSAS</b>			<b>NEW MEXICO</b>			Providence.....	24.0	14.2
Anaheim-S. Ana-			Wichita.....	9.0	5.9	Albuquerque....	3.6	2.6			
Garden Grove..	22.6	14.1							<b>SOUTH CAROLINA</b>		
Fresno.....	7.3	8.7	<b>KENTUCKY</b>			<b>NEW YORK*</b>			Charleston.....	2.2	1.2
Los Angeles....	144.9	96.1	Louisville.....	10.0	6.9	Albany.....	9.1	8.6	Greenville.....	3.4	1.6
Sacramento.....	12.4	13.0				Binghamton....	5.5	2.7			
San Bernardino..	15.7	11.2	<b>LOUISIANA</b>			Buffalo.....	27.3	16.1			
San Diego.....	20.1	13.0	Baton Rouge....	2.3	2.2	New York.....	199.2	134.9			
San Francisco..	53.7	44.2	New Orleans....	8.5	8.0	Rochester.....	14.7	8.0			
San Jose.....	21.4	16.7	Shreveport.....	2.8	2.0	Syracuse.....	9.9	8.4	<b>TENNESSEE</b>		
Stockton.....	7.6	8.1				Utica.....	7.9	7.1	Chattanooga...	2.8	2.0
			<b>MAINE</b>			<b>NORTH CAROLINA</b>			Knoxville.....	5.3	4.2
<b>COLORADO</b>			Portland.....	1.7	1.2	Asheville.....	1.9	1.3	Memphis.....	7.2	5.6
Denver.....	5.2	4.3				Charlotte.....	2.2	1.8	Nashville.....	6.0	3.6
			<b>MARYLAND</b>			Durham.....	1.4	1.1			
<b>CONNECTICUT*</b>			Baltimore.....	24.0	17.1	Greensboro--			<b>TEXAS</b>		
Bridgeport.....	12.2	6.2				Winston-Salem..	5.0	3.5	Austin.....	.8	.5
Hartford.....	15.0	6.7	<b>MASSACHUSETTS*</b>						Beaumont.....	3.2	1.8
New Britain.....	4.4	1.7	Boston.....	50.1	30.5	<b>OHIO</b>			Corpus Christi..	1.2	1.1
New Haven.....	9.0	4.5	Brockton.....	3.8	2.5	Akron.....	8.0	4.1	Dallas.....	11.0	5.1
Stamford.....	3.9	1.9	Fall River.....	4.8	4.0	Canton.....	4.0	3.2	El Paso.....	2.2	2.1
Waterbury.....	7.3	4.3	Lawrence.....	7.1	3.7	Cincinnati.....	15.4	9.0	Ft. Worth.....	7.1	2.6
			Lowell.....	5.3	3.0	Cleveland.....	24.5	10.9	Houston.....	6.5	2.7
<b>DELAWARE</b>			New Bedford....	6.6	4.1	Columbus.....	7.8	5.3	San Antonio.....	3.4	2.2
Wilmington.....	6.5	4.4	Springfield....	12.4	6.7	Dayton.....	11.9	4.6			
			Worcester.....	7.5	4.1	Hamilton.....	3.4	2.1	<b>UTAH</b>		
						Lorain.....	3.1	1.7	Salt Lake City..	5.3	4.8
<b>DIST. OF COL.</b>			<b>MICHIGAN*</b>			Steubenville...	1.2	1.2			
Washington.....	14.3	10.5	Barre Creek....	3.3	2.6	Toledo.....	7.9	5.8	<b>VIRGINIA</b>		
			Detroit.....	82.3	66.3	Youngstown....	6.2	4.4	Hampton.....	1.6	1.2
			Flint.....	6.4	9.2				Norfolk.....	2.5	2.1
<b>FLORIDA</b>			Grand Rapids...	10.5	9.1	<b>OKLAHOMA</b>			Richmond.....	1.2	.4
Jacksonville....	1.1	.7	Kalamazoo.....	3.6	1.7	Oklahoma City..	3.7	2.0	Roanoke.....	.6	.4
Miami.....	11.1	6.3	Lansing.....	4.7	5.2						
Tampa.....	6.8	3.4	Muskegon.....	3.5	2.0	<b>OREGON*</b>			<b>WASHINGTON*</b>		
			Saginaw.....	2.5	2.0	Portland.....	18.4	13.4	Seattle.....	47.1	31.7
									Spokane.....	7.0	4.7
<b>GEORGIA</b>			<b>MINNESOTA</b>			<b>PENNSYLVANIA</b>			Tacoma.....	8.0	6.9
Atlanta.....	8.0	6.0	Duluth.....	3.2	2.2	Allentown.....	8.3	3.3			
Augusta.....	2.2	1.3	Minneapolis....	24.8	8.9	Altoona.....	2.3	1.5	<b>WEST VIRGINIA</b>		
Columbus.....	1.2	1.2				Erie.....	4.0	2.7	Charleston.....	3.0	2.2
Macon.....	1.1	1.0	<b>MISSISSIPPI</b>			Harrisburg.....	3.7	2.3	Huntington.....	3.4	2.8
Savannah.....	1.4	.7	Jackson.....	1.3	1.3	Johnstown.....	4.8	4.0	Wheeling.....	2.1	2.2
						Lancaster.....	3.1	1.9			
<b>HAWAII</b>			<b>MISSOURI</b>			Philadelphia....	65.8	40.4	<b>WISCONSIN</b>		
Honolulu.....	7.6	3.7	Kansas City....	14.9	9.7	Pittsburgh.....	31.5	21.3	Kenosha.....	5.8	.8
			St. Louis.....	39.4	25.3	Reading.....	4.0	1.9	Madison.....	2.5	1.6
						Scranton.....	6.6	4.5	Milwaukee.....	22.3	10.3
<b>ILLINOIS</b>			<b>NEBRASKA</b>			Wilkes-Barre...	8.4	6.4	Racine.....	4.2	1.6
Chicago.....	74.1	39.4	Omaha.....	3.6	2.7						
Davenport.....	5.0	4.1									
Peoria.....	3.8	2.8									
Rockford.....	4.2	2.0									

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

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

# Technical Note

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

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

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

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

## Relation between the household and establishment series

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

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

## Employment

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

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

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

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

## Hours of Work

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

## Comparability of the household interview data with other series

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

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

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

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

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

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

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

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

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

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

## **Labor Force Data**

### **COLLECTION AND COVERAGE**

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

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

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

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

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

### **CONCEPTS**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## ESTIMATING METHODS

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

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

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

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

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

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

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

## Rounding of Estimates

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

## Reliability of the Estimates

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

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

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

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

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

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

(In thousands)

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

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

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

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

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

*Illustration:* Assume that the tables showed the total number 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 . . . . .	0.8	1.2	1.8	2.5	2.9	3.3	3.4	3.9	4.0
250 . . . . .	.7	.8	1.4	1.9	2.3	2.5	2.8	3.0	3.2
500 . . . . .	.5	.7	1.0	1.4	1.6	1.8	1.9	2.1	2.3
1,000 . . . . .	.3	.4	.7	1.0	1.2	1.4	1.4	1.6	1.6
2,000 . . . . .	.3	.3	.5	.7	.7	.8	1.0	1.1	1.2
3,000 . . . . .	.2	.3	.4	.7	.7	.7	.8	.8	1.0
5,000 . . . . .	.2	.2	.3	.4	.5	.7	.7	.7	.7
10,000 . . . . .	.1	.2	.3	.3	.4	.4	.4	.5	.5
25,000 . . . . .	.1	.1	.2	.2	.3	.3	.3	.3	.3
50,000 . . . . .	.1	.1	.1	.2	.2	.2	.2	.3	.3
75,000 . . . . .	.1	.1	.1	.1	.2	.2	.2	.2	.2



# Establishment Data

## COLLECTION

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

### Federal-State Cooperation

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

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

### Shuttle Schedules

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

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

## CONCEPTS

### Industrial Classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an

establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the most important product or activity.

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

### Industry Employment

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

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

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

### Industry Hours and Earnings

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

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

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

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

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

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

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

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

#### Gross Average Hourly and Weekly Earnings

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

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

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

#### Average Weekly Hours

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

#### Average Overtime Hours

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

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

#### Hours and Earnings for Total Private Nonagricultural Industries

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

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

#### Railroad Hours and Earnings

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

### **Spendable Average Weekly Earnings**

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

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

### **Average Hourly Earnings Excluding Overtime**

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

### **Indexes of Aggregate Weekly Payrolls and Man-Hours**

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

### **Labor Turnover**

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

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

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

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

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

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

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

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

### **Relationship of Labor Turnover to Employment Series**

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

### **Job Vacancies**

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

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

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

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

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

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

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

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

## ESTIMATING METHODS

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

### The "Link Relative" Technique

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

### Size and Regional Stratification

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

### Benchmark Adjustments

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

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

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

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

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

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

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

## THE SAMPLE

### Design

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

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

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

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

#### Coverage

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

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

#### Reliability of the Employment Estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are adjusted annually to new

**Table F. Approximate size and coverage of BLS employment and payrolls sample, March 1969**<sup>1</sup>

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

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

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

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

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

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

benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences, generally minor, arises from improvements in the quality of the benchmark data. Table H presents the average percent revisions of the 6 most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

**Table H. Average benchmark percent revision in employment estimates and relative 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....	1.0	.2	.3
Manufacturing...	.3	.1	.1
Durable goods..	.4	.1	.1
Nondurable goods.....	.3	.1	.1
Transportation and public utilities..	.3	.7	.4
Trade.....	.4	.1	.2
Wholesale....	1.1	.2	.3
Retail.....	.3	.2	.2
Finance, insurance, and real estate...	.5	.2	.4
Services.....	.8	.4	.8
Government <sup>3</sup> ....	-	-	-

<sup>1</sup> Relative errors relate to March 1969 data.

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

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

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

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

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

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

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

Size of employment estimate	Root-mean-square error of employment estimates <sup>1</sup>	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,000	0.9	1.5
100,000	2,800	.7	1.1
200,000	3,800	.5	.9
500,000	7,500	.4	.8
1,000,000	11,200	.3	.5
2,000,000	17,500	.3	.5

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

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

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

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

#### Reliability of Job Vacancy Estimates

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

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

Table K. Relative errors of estimates of job vacancy data

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

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

STATISTICS FOR STATES AND AREAS

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

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

## Unemployment Insurance Data

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

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

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

## Seasonal Adjustments

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

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

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

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

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

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

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

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

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

## ATTENTION

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

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



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

Item	Basic estimating cells (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<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.

# UNITED STATES DEPARTMENT OF LABOR

## Bureau of Labor Statistics

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VI	ARKANSAS - Employment Security Division, Department of Labor, Little Rock 72203
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VI	NEW MEXICO - Employment Security Commission, Albuquerque 87103
II	NEW YORK - Research and Statistics Office, Division of Employment, N.Y. State Department of Labor, State Campus Building 12, Albany 12201
IV	NORTH CAROLINA - Division of Statistics, Department of Labor, Raleigh 27602 (Employment). Bureau of Employment Security Research, Employment Security Commission, Raleigh 27602 (Turnover).
VIII	NORTH DAKOTA - Employment Security Bureau, Bismarck 58501
V	OHIO - Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
VI	OKLAHOMA - Employment Security Commission, Oklahoma City 73105
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