

# 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, April 1971

The employment situation was essentially unchanged in April. The April unemployment rate was 6.1 percent, not significantly different from the 6.0 percent in March. Since reaching a 9-year peak in December 1970 (6.2 percent), the jobless rate has moved narrowly between 5.8 and 6.1 percent. Jobless rates for most major groups in the labor force showed little or no change in April, remaining close to their recent highs. The unemployment rate for workers covered by State unemployment insurance programs was 3.9 percent in April, the same as in March.

Total employment edged up slightly in April, primarily as a result of an increase in agricultural employment. Over the past year, total employment has shown little change on a seasonally adjusted basis.

Nonfarm payroll employment also showed a very small increase in April. At 70.7 million (seasonally adjusted) in April, payroll employment has remained fairly level since the beginning of the year, after falling substantially below its alltime high reached in March 1970. Over-the-month gains in State and local government, contract construction, and finance, insurance and real estate were largely offset by declines in manufacturing and transportation and public utilities. The drop in manufacturing represented its fourth straight monthly decline and brought factory employment to its lowest level in 5 years (with the exception of the second month of the 1970 auto strike).

### Unemployment

The number of unemployed persons fell 480,000 this April to 4.7 million. The drop was close to the usual decline between March and April.

Jobless rates for most labor force groups were little changed in April. The unemployment rate for adult men, at 4.4 percent, was

about the same as in March and was slightly below the 7-year high reached in December 1970. The rate for married men, at 3.1 percent, also was essentially unchanged in April; after having risen almost uninterruptedly throughout 1970, their rate has gradually drifted downward in early 1971 from its high mark of 3.4 percent in December.

At 6.0 percent in April, the unemployment rate for adult women was substantially unchanged at its highest level since October 1961. The jobless rate for teenagers—17.2 percent in April—was also little changed over the month. With the exception of February, the teenage rate has remained 17.0 percent or higher since last fall.

The rate for part-time workers rose from 8.7 to 9.4 percent over the month to the highest level since the series began in 1963. For full-time workers, the unemployment rate was unchanged in April at 5.5 percent.

After holding steady between December and March, the jobless rate for Negro workers moved up from 9.4 percent in March to 10.0 percent in April, its highest level since January 1964. The over-the-month change primarily reflected increased joblessness among adult Negro women, whose rate has been moving upward since late 1970. The unemployment rate for whites was unchanged at 5.6 percent, remaining at its recent high reached last winter.

Among the major industry divisions, the unemployment rate for workers who last worked in construction, at 9.6 percent in April, fell below the 10-percent mark for the first time in 1971. The rate in this industry has gradually declined since late 1970. The jobless rate for workers in transportation and public utilities rose to 4.0 percent in April, following a decline in March. In manufacturing, the unemployment rate of 7.0 percent was about unchanged over the month, remaining below its winter highs.

Among the major occupation groups, the jobless rate for craftsmen and foremen dropped in April from 4.9 to 4.5 percent, possibly reflecting the recent strength in the construction industry. The unemployment rate for professional and technical workers, at 3.3 percent in April, continued near its highest point since the monthly series began in 1958.

For workers covered by State unemployment insurance programs, the unemployment rate was unchanged in April at 3.9 percent, following a rise in March. The State insured rate had peaked at 4.6 percent in November during the auto strike but had declined to 3.7 percent by February.

The number of persons unemployed 15 weeks or more totaled 1.1 million in April, seasonally adjusted, the fifth consecutive month at this level. The average (mean) duration of joblessness, at 10.9 weeks, was also unchanged between March and April at the highest level recorded since March 1966. Although unemployment has shown little change thus far in 1971, the average duration of unemployment has drifted upwards.

The number of persons whose unemployment stemmed from the loss of their last job rose by 100,000 in April to 2.3 million (seasonally adjusted). After reaching a high of 2.5 million in December 1970, joblessness among these workers has remained between 2.2 and 2.3 million since the beginning of 1971. However, there has been a 100,000 increase in unemployment since December among persons with no previous work experience.

The number of persons who worked part time for economic reasons in nonagricultural industries but wanted full-time jobs remained at 2.5 million in April, seasonally adjusted, the same as the 8-year high reached in December. The ratio of labor force time lost by persons working part time involuntarily as well as by the unemployed was 6.4 percent in April. (Labor force time lost is a measure of man-hours lost to the economy through unemployment and involuntary part-time employment, taken as a percent of total man-hours offered by those in the labor force.) After rising almost uninterruptedly throughout 1970, labor force time lost has shown little change during the first 4 months of 1971.

## Civilian labor force and total employment

The number of persons in the civilian labor force, at 82.9 million in April, was 230,000 higher than in March. After seasonal adjustment, the labor force was up by about 310,000 over the month, to about the same level as in January. The labor force had risen sharply during the latter half of 1970, but since January, declines among adult females have offset net labor force gains among adult men and teenagers.

Total employment, at 78.2 million in April, was up 700,000 from March, a slightly larger increase than the average March-April employment gains of recent years. After seasonal adjustment, total employment edged up 225,000 over the month, with nearly all of the change occurring in agriculture, primarily among teenagers. Nonagricultural employment (which includes self-employed, private household and unpaid family workers, as well as wage and salary workers) was little changed over the month. Total employment has remained on a virtual plateau since last May, fluctuating within the narrow range of 78.5 to 78.7 million. In recent months, a decline in employment of adult women has been offset by employment gains among adult men.

## Industry payroll employment

The number of wage and salary workers on nonagricultural payrolls was 70.4 million in April, 500,000 more than in March. The rise was slightly more than the usual March-April pickup, and after seasonal adjustment, non-farm payroll employment was up 55,000 from the March level; part of the increase was accounted for by the net return to work of about 35,000 strikers. Compared with April 1970, the total number of payroll jobs has fallen by 380,000.

Over the month, seasonally adjusted employment increases in State and local government, contract construction, and finance, insurance and real estate more than offset declines in manufacturing and transportation and public utilities. The largest rise occurred in State and local government (55,000), where employment continued its growth pattern of the past several

years. In contract construction, employment increased by 50,000, seasonally adjusted, the second straight monthly increase following a year of nearly continuous declines. Over the year, however, construction employment was still down by 115,000, or 3.5 percent. Employment was up by 25,000 in finance, insurance and real estate.

Manufacturing employment fell 35,000 in April (seasonally adjusted), the fourth straight monthly decline following termination of the auto strike. The decline would have been larger except for a net reduction in the number of workers off payrolls due to strike activity. With the exception of November 1970 (the second month of the auto strike), manufacturing employment in April was at its lowest point in 5 years. Over the year, employment in manufacturing was down by over 1.1 million, a 5.8 percent decline.

The April cutbacks in manufacturing were largely confined to the durable goods sector, particularly in the machinery (15,000), electrical equipment (20,000), and transportation equipment (20,000) industries. This more than offset an employment increase of 25,000 in fabricated metal products, which occurred largely as a result of the conclusion of a strike in the industry.

Employment in nondurable goods was unchanged in April, as a small rise in apparel countered slight decreases in other soft-goods industries. Following declines throughout most of 1970, nondurable-goods employment has been virtually unchanged since late in 1970.

In transportation and public utilities, employment declined by 35,000, seasonally adjusted, reflecting both job cutbacks in the industry and a net increase in strike activity. Employment in services dropped slightly (15,000) over the month.

In contrast to substantial employment increases during much of 1970 and the entire decade of the 60's, the service sector has shown only moderate growth in recent months, most of it in State and local government. Compared with a year earlier, however, employment in the total service-producing sector has risen by 880,000 (1.9 percent), providing

a partial offset to the 1.3 million job loss in the goods sector.

#### Hours of work

The workweek for all rank-and-file workers on private nonagricultural payrolls edged up by 0.1 hour in April for the second month in a row, to 37.1 hours, seasonally adjusted. The workweek has remained close to 37.0 hours since late 1970. Over-the-month increases in transportation and public utilities, trade, and services countered declines in contract construction and manufacturing.

In manufacturing, the seasonally adjusted average workweek moved down 0.1 hour in April, to 39.8 hours. Compared with last April, factory hours were down 0.2 hour, and were 1.1 hours below the recent high of 40.9 hours last reached in March 1969. The April decrease in the factory workweek occurred entirely in the durable-goods industries, especially transportation equipment.

Factory overtime was unchanged in April at 2.8 hours (seasonally adjusted), near the 7-year low reached in late 1970. With the exception of February 1971, overtime hours have remained within the narrow range of 2.7-2.8 hours since September 1970.

#### Earnings

Average hourly earnings of rank-and-file workers on private nonagricultural payrolls were \$3.39 in April, up 2 cents from March. Hourly earnings were 21 cents, or 6.6 percent, above a year ago.

As a result of the April increase in hourly earnings, average weekly earnings were up 73 cents over the month to \$124.75. Increases were recorded in all of the major industry divisions with the exception of finance, insurance and real estate. Compared with April 1970, average weekly earnings were up by \$7.41, or 6.3 percent. During the latest 12-month period for which Consumer Price Index data are available—March 1970 to March 1971—the Index rose by 4.6 percent.

## New Tables on Vietnam Era War Veterans

\* By Elizabeth Waldman

Regular publication of data on the employment status of Vietnam Era war veterans—that is, men who served in the Armed Forces at any time after August 4, 1964—begins with this issue of Employment and Earnings and will continue on a quarterly basis. Information on veterans is based on estimates of the veteran population provided by the Veterans Administration (VA) and upon data obtained for the Bureau of Labor Statistics (BLS) and the VA by the Bureau of the Census as part of the Current Population Survey (CPS). The labor force concepts and sampling variability for the veterans data, therefore, are the same as those for the CPS. (See Technical Note.)

Veteran status is defined by the dates of service in the U.S. Armed Forces. A war veteran is defined as follows: Vietnam Era—served after August 4, 1964; Korean Conflict—served at any time between June 27, 1950 and January 31, 1955; World War II—served any time from September 16, 1940 to July 25, 1947; World War I—served any time between April 6, 1917 and November 11, 1918. A post-Korean-peace-time veteran served in the Armed Forces between February 1, 1955 and August 4, 1964, inclusive. A nonveteran never served in the Armed Forces or served only in peacetime prior to June 27, 1950.

The veterans data will be presented in two tables for each calendar quarter. Table 1 will focus on the employment status of male war veterans compared with nonveterans in the age group 20 to 29 years, by age and race. This age group was chosen because most Vietnam Era war veterans are in their twenties; their median age at present is 26.9 years. Data will cover the current calendar quarter and that of a year ago. In this issue, however, table 1 will include data for 1969, 1970, and the first quarter of 1971. Table 2 will contain

data on the veteran status and employment status of all men 16 years old and over in the civilian noninstitutional population. Data will cover the current quarter and that of a year ago. This table provides a comparison of the employment status of young Vietnam veterans with older veterans of other wars and with nonveterans. Veterans data are not available on a seasonally adjusted basis.

The number of Vietnam Era war veterans under age 30 in the civilian labor force increased by about 525,000 over the year to an average of 3.5 million in the first quarter of 1971. (See table 1.) Most of these veterans were employed, but their unemployment rose sharply, especially in the increasingly loose labor market of the last few months of 1970 and early 1971. Nearly 375,000 veterans, on average, were jobless in the first quarter of 1971, an increase of 175,000 over the year.

The unemployment rate (not seasonally adjusted) for veterans in the age group 20 to 29 averaged 10.8 percent in the first quarter of 1971, compared with 7.9 percent in the preceding quarter, and 6.8 percent a year ago. Comparable unemployment rates for nonveterans in this age group were 8.4, 6.8, and 5.5 percent, respectively. Although the rate for the nonveterans began to rise earlier in 1970 (third quarter) than for veterans, it has remained significantly lower.

The rate for younger veterans (20-24) has been considerably higher than the rate for men 25 to 29 and it increased by a greater amount

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over the year. The rate for the younger veterans rose by 5.5 percentage points to 14.6 percent in the first quarter while that for the 25 to 29 year old veterans rose by 3.0 percentage points to 7.2 percent. Over the same period the rate for young nonveterans rose by 3.5 percentage points to 10.8 percent. The higher unemployment rate for the veterans reflected not only the usual labor market problems that keep the rates of young adults above those of the older workers but also some elements that effect all workers. Young job-seeking Vietnam veterans and nonveterans have in common such factors as inexperience, shopping around for suitable full-time jobs, or trying to find part-time jobs while attending school. But since the latter part of 1970, Vietnam veterans found themselves leaving military service as jobs grew increasingly

harder to find. The plight of the growing proportions of young, newly separated GI's shows up even more clearly in table 2 as the over-the-year rise in their unemployment rate was greater than that for every other group of men by age and veteran status.

The unemployment situation of Vietnam veterans of Negro and other minority races, compared with white veterans, may be discussed only in general terms, because the unemployment data for them are based on very small sample numbers and are subject to large sampling errors. Nonetheless, the unemployment rate for Vietnam veterans of Negro and other minority races has been higher since mid-1970 than for white veterans, although the amount of difference cannot be estimated precisely.

Table 1. Employment status of male Vietnam Era war veterans and nonveterans 20 to 29 years old by age and race

Item	(Numbers in thousands)								
	1971 1st	1970				1969			
	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st
<b>TOTAL, 20 TO 29 YEARS OLD</b>									
War veterans <u>1/</u>									
Civilian noninstitutional population.....	3,809	3,696	3,522	3,354	3,174	2,990	2,778	2,597	2,456
Civilian labor force.....	3,459	3,383	3,303	3,127	2,936	2,752	2,612	2,428	2,258
Percent of population.....	90.8	91.5	93.8	93.2	92.5	92.0	94.0	93.5	92.0
Employed.....	3,087	3,114	3,090	2,931	2,737	2,622	2,498	2,338	2,139
Unemployed.....	372	269	213	196	199	130	114	90	119
Unemployment rate.....	10.8	7.9	6.4	6.3	6.8	4.7	4.4	3.7	5.3
Not in labor force.....	350	313	219	227	238	238	166	169	198
Nonveterans									
Civilian noninstitutional population.....	9,209	9,068	8,943	8,815	8,714	8,589	8,532	8,523	8,444
Civilian labor force.....	7,844	7,810	8,067	7,670	7,397	7,334	7,715	7,430	7,139
Percent of population.....	85.2	86.1	90.2	87.0	84.9	85.4	90.4	87.2	84.5
Employed.....	7,188	7,281	7,563	7,241	6,990	7,089	7,449	7,171	6,853
Unemployed.....	656	529	504	429	407	245	266	259	286
Unemployment rate.....	8.4	6.8	6.2	5.6	5.5	3.3	3.4	3.5	4.0
Not in labor force.....	1,365	1,258	876	1,145	1,317	1,255	817	1,093	1,305
<b>WHITE</b>									
War veterans <u>1/</u>									
Civilian noninstitutional population.....	3,446	3,329	3,177	3,061	2,893	2,706	2,531	2,383	2,250
Civilian labor force.....	3,135	3,058	2,981	2,854	2,686	2,496	2,384	2,234	2,081
Percent of population.....	91.0	91.9	93.8	93.2	92.8	92.2	94.2	93.8	92.5
Employed.....	2,812	2,835	2,809	2,686	2,508	2,389	2,290	2,156	1,973
Unemployed.....	323	223	172	168	178	107	94	78	108
Unemployment rate.....	10.3	7.3	5.8	5.9	6.6	4.3	3.9	3.5	5.2
Not in labor force.....	311	271	196	207	207	210	147	149	169
Nonveterans									
Civilian noninstitutional population.....	7,964	7,853	7,738	7,580	7,524	7,456	7,398	7,384	7,305
Civilian labor force.....	6,798	6,776	6,999	6,612	6,380	6,355	6,683	6,422	6,162
Percent of population.....	85.4	86.3	90.4	87.2	84.8	85.2	90.3	87.0	84.4
Employed.....	6,277	6,354	6,598	6,281	6,062	6,160	6,478	6,234	5,944
Unemployed.....	521	422	401	331	318	195	205	188	218
Unemployment rate.....	7.7	6.2	5.7	5.0	5.0	3.1	3.1	2.9	3.5
Not in labor force.....	1,166	1,077	739	968	1,144	1,101	715	962	1,143
<b>NEGRO AND OTHER RACES</b>									
War veterans <u>1/</u>									
Civilian noninstitutional population.....	363	367	345	293	281	283	247	214	205
Civilian labor force.....	324	325	322	273	251	256	227	194	177
Percent of population.....	89.4	88.6	93.3	93.1	89.2	90.4	92.2	90.5	86.2
Employed.....	275	279	281	245	229	233	207	182	166
Unemployed.....	49	46	41	28	22	23	20	12	11
Unemployment rate.....	15.1	14.2	12.6	10.3	8.6	9.0	8.7	6.0	6.4
Not in labor force.....	39	42	23	20	30	27	20	20	28
Nonveterans									
Civilian noninstitutional population.....	1,245	1,215	1,205	1,234	1,190	1,133	1,133	1,139	1,139
Civilian labor force.....	1,045	1,033	1,068	1,058	1,018	979	1,032	1,008	977
Percent of population.....	84.0	85.0	88.6	85.7	85.5	86.4	91.1	88.5	85.8
Employed.....	910	926	966	961	929	929	971	938	909
Unemployed.....	135	107	102	97	89	50	61	70	68
Unemployment rate.....	12.9	10.3	9.6	9.2	8.7	5.1	5.9	7.0	6.9
Not in labor force.....	200	182	137	176	172	154	101	131	162

See footnotes at end of table.

Table 1. Employment status of male Vietnam Era war veterans and nonveterans 20 to 29 years old by age and race--Continued

Item	(Numbers in thousands)					1969				
	1971 1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	
<b>TOTAL, 20 TO 24 YEARS OLD</b>										
<u>War veterans 1/</u>										
Civilian noninstitutional population.....	1,902	1,869	1,819	1,774	1,719	1,688	1,594	1,525	1,486	
Civilian labor force.....	1,668	1,655	1,664	1,615	1,550	1,523	1,472	1,408	1,340	
Percent of population.....	87.7	88.5	91.5	91.0	90.2	90.2	92.3	92.3	90.2	
Employed.....	1,424	1,476	1,513	1,481	1,409	1,425	1,395	1,348	1,260	
Unemployed.....	244	179	151	134	141	98	77	60	80	
Unemployment rate.....	14.6	10.8	9.1	8.3	9.1	6.4	5.3	4.2	5.9	
Not in labor force.....	234	214	155	159	169	165	122	117	146	
<u>Nonveterans</u>										
Civilian noninstitutional population.....	5,327	5,199	5,069	4,947	4,879	4,772	4,743	4,720	4,672	
Civilian labor force.....	4,158	4,135	4,373	3,982	3,741	3,693	4,071	3,789	3,541	
Percent of population.....	78.0	79.5	86.3	80.5	76.7	77.4	85.8	80.3	75.8	
Employed.....	3,709	3,759	4,011	3,688	3,469	3,525	3,882	3,593	3,336	
Unemployed.....	449	376	362	294	272	168	189	196	205	
Unemployment rate.....	10.8	9.1	8.3	7.4	7.3	4.6	4.7	5.2	5.8	
Not in labor force.....	1,169	1,064	696	965	1,138	1,079	672	931	1,131	
<b>WHITE</b>										
<u>War veterans 1/</u>										
Civilian noninstitutional population.....	1,699	1,677	1,636	1,610	1,541	1,511	1,444	1,389	1,351	
Civilian labor force.....	1,489	1,490	1,498	1,464	1,394	1,367	1,340	1,287	1,229	
Percent of population.....	87.6	88.8	91.6	91.0	90.5	90.5	92.8	92.7	91.0	
Employed.....	1,282	1,341	1,377	1,349	1,270	1,287	1,279	1,236	1,158	
Unemployed.....	207	149	121	115	124	80	61	51	71	
Unemployment rate.....	13.9	10.0	8.0	7.8	8.9	5.9	4.5	4.0	5.7	
Not in labor force.....	210	187	138	146	147	144	104	102	122	
<u>Nonveterans</u>										
Civilian noninstitutional population.....	4,616	4,501	4,381	4,247	4,218	4,144	4,108	4,083	4,040	
Civilian labor force.....	3,604	3,573	3,781	3,414	3,209	3,177	3,508	3,254	3,035	
Percent of population.....	78.1	79.4	86.3	80.4	76.1	76.7	85.4	79.7	75.1	
Employed.....	3,252	3,274	3,493	3,184	2,990	3,041	3,361	3,111	2,874	
Unemployed.....	352	299	288	230	219	136	147	143	161	
Unemployment rate.....	9.8	8.4	7.6	6.7	6.8	4.3	4.2	4.4	5.3	
Not in labor force.....	1,012	928	600	833	1,009	967	600	829	1,005	
<b>NEGRO AND OTHER RACES</b>										
<u>War veterans 1/</u>										
Civilian noninstitutional population.....	203	192	183	164	178	177	150	136	135	
Civilian labor force.....	179	165	166	151	156	156	133	121	111	
Percent of population.....	88.3	86.1	90.7	92.1	87.6	87.9	88.4	89.2	82.0	
Employed.....	142	135	136	132	139	138	116	113	102	
Unemployed.....	37	30	30	19	17	18	17	8	9	
Unemployment rate.....	20.9	18.1	18.3	12.8	11.1	11.3	12.6	6.9	8.1	
Not in labor force.....	24	27	17	13	22	21	17	15	24	
<u>Nonveterans</u>										
Civilian noninstitutional population.....	711	698	688	700	661	628	635	637	632	
Civilian labor force.....	554	562	592	568	532	516	563	535	506	
Percent of population.....	77.9	80.5	86.0	81.1	80.4	82.2	88.7	84.1	80.1	
Employed.....	457	485	518	504	479	484	521	482	463	
Unemployed.....	97	77	74	64	53	32	42	53	43	
Unemployment rate.....	17.4	13.7	12.5	11.3	9.9	6.2	7.5	10.0	8.6	
Not in labor force.....	157	136	96	132	129	112	72	102	126	

See footnotes at end of table.



Table 1. Employment status of male Vietnam Era war veterans and nonveterans 20 to 29 years old by age and race--Continued

Item	(Numbers in thousands)									
	1971 1st	4th	3rd	1970		1969		2nd	1st	
<b>TOTAL, 25 TO 29 YEARS OLD</b>										
<u>War veterans 1/</u>										
Civilian noninstitutional population.....	1,907	1,826	1,703	1,580	1,455	1,302	1,184	1,072	970	
Civilian labor force.....	1,791	1,728	1,639	1,512	1,386	1,229	1,139	1,020	918	
Percent of population.....	93.9	94.6	96.2	95.7	95.3	94.4	96.3	95.2	94.7	
Employed.....	1,663	1,639	1,577	1,450	1,328	1,196	1,103	990	878	
Unemployed.....	128	89	62	62	58	33	36	30	40	
Unemployment rate.....	7.2	5.2	3.8	4.1	4.2	2.7	3.2	2.9	4.3	
Not in labor force.....	116	98	64	68	69	73	45	52	52	
<u>Nonveterans</u>										
Civilian noninstitutional population.....	3,882	3,869	3,874	3,867	3,835	3,817	3,789	3,803	3,772	
Civilian labor force.....	3,686	3,674	3,695	3,688	3,656	3,641	3,644	3,641	3,598	
Percent of population.....	95.0	95.0	95.4	95.4	95.3	95.4	96.2	95.7	95.4	
Employed.....	3,479	3,521	3,554	3,553	3,521	3,564	3,578	3,578	3,517	
Unemployed.....	207	153	141	135	135	77	77	63	81	
Unemployment rate.....	5.6	4.2	3.8	3.7	3.7	2.1	2.1	1.7	2.3	
Not in labor force.....	196	195	179	179	179	176	145	162	174	
<b>WHITE</b>										
<u>War veterans 1/</u>										
Civilian noninstitutional population.....	1,747	1,651	1,541	1,451	1,352	1,196	1,087	994	900	
Civilian labor force.....	1,646	1,568	1,483	1,390	1,291	1,129	1,044	947	852	
Percent of population.....	94.2	95.0	96.2	95.8	95.5	94.4	96.1	95.3	94.7	
Employed.....	1,529	1,495	1,431	1,337	1,237	1,101	1,011	920	814	
Unemployed.....	117	73	52	53	54	28	33	27	38	
Unemployment rate.....	7.1	4.7	3.5	3.9	4.2	2.4	3.2	2.8	4.4	
Not in labor force.....	101	83	58	61	61	67	43	47	48	
<u>Nonveterans</u>										
Civilian noninstitutional population.....	3,348	3,352	3,356	3,333	3,307	3,312	3,291	3,301	3,265	
Civilian labor force.....	3,195	3,203	3,218	3,198	3,170	3,178	3,175	3,168	3,127	
Percent of population.....	95.4	95.6	95.9	95.9	95.9	96.0	96.5	96.0	95.8	
Employed.....	3,026	3,080	3,105	3,096	3,071	3,119	3,117	3,122	3,070	
Unemployed.....	169	123	113	102	99	59	58	46	57	
Unemployment rate.....	5.3	3.8	3.5	3.2	3.1	1.9	1.8	1.4	1.8	
Not in labor force.....	153	149	138	135	137	134	116	133	138	
<b>NEGRO AND OTHER RACES</b>										
<u>War veterans 1/</u>										
Civilian noninstitutional population.....	160	175	162	129	103	106	97	78	70	
Civilian labor force.....	145	160	156	122	95	100	95	73	66	
Percent of population.....	90.8	91.4	96.3	94.3	91.9	94.4	97.9	92.8	(2)	
Employed.....	133	144	146	113	91	95	92	70	64	
Unemployed.....	12	16	10	9	4	5	3	3	2	
Unemployment rate.....	8.0	10.0	6.6	7.1	4.6	5.3	3.2	(2)	(2)	
Not in labor force.....	15	15	6	7	8	6	2	5	4	
<u>Nonveterans</u>										
Civilian noninstitutional population.....	534	517	518	534	528	505	498	502	507	
Civilian labor force.....	491	471	477	490	486	463	469	473	471	
Percent of population.....	92.0	91.2	92.1	91.7	92.0	91.7	94.1	94.1	92.8	
Employed.....	453	441	449	457	450	445	450	456	447	
Unemployed.....	38	30	28	33	36	18	19	17	24	
Unemployment rate.....	7.8	6.3	5.9	6.8	7.4	3.8	4.0	3.6	5.2	
Not in labor force.....	43	46	41	44	42	42	29	29	36	

1/ War veterans are defined by the dates of their service in the U. S. Armed Forces. War veterans 20 to 29 years old are all veterans of the Vietnam Era, (service at any time after August 4, 1964), and they account for about 85 percent of the Vietnam Era war veterans of all ages. See footnote 1, Table 2 for service dates of other wars.

2/ Percent not shown where base is less than 75,000.

NOTE: Because of rounding, sums of individual items may not equal totals. Rates are based on unrounded numbers.

Table 2. Employment status of men 16 years old and over by veteran status <sup>1/</sup> and age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force		Labor force participation rate		Employed		Unemployed		Unemployment rate	
	1st 1971	1st 1970	1st 1971	1st 1970	1st 1971	1st 1970	1st 1971	1st 1970	1st 1971	1st 1970	1st 1971	1st 1970
ALL MEN												
Total, 16 years old and over.....	65,184	63,700	50,950	50,172	78.2	78.8	47,783	48,107	3,166	2,066	6.2	4.1
16 to 19 years.....	7,331	7,021	3,634	3,519	49.6	50.1	2,968	3,035	666	484	18.2	13.8
20 to 29 years.....	13,783	12,924	12,046	11,334	87.4	87.7	10,969	10,685	1,077	650	8.9	5.7
20 to 24 years.....	7,246	6,642	5,842	5,333	80.6	80.3	5,147	4,918	695	415	11.9	7.8
25 to 29 years.....	6,537	6,282	6,204	6,001	94.9	95.5	5,822	5,767	382	235	6.2	3.9
30 to 34 years.....	5,424	5,294	5,277	5,158	97.3	97.4	5,044	5,013	233	146	4.4	2.8
35 to 39 years.....	5,131	5,158	4,968	5,023	96.8	97.4	4,781	4,884	187	138	3.8	2.7
40 to 44 years.....	5,598	5,683	5,385	5,479	96.2	96.4	5,185	5,349	200	130	3.7	2.4
45 to 54 years.....	11,109	11,017	10,467	10,396	94.2	94.4	10,077	10,151	390	245	3.7	2.4
55 to 64 years.....	8,654	8,550	7,152	7,116	82.6	83.2	6,830	6,914	321	202	4.5	2.8
65 years and over.....	8,154	8,053	2,021	2,147	24.8	26.7	1,929	2,076	92	71	4.6	3.3
WAR VETERANS												
Total, 16 years old and over.....	23,787	23,234	20,980	20,613	88.2	88.7	19,964	19,999	1,016	614	4.8	3.0
16 to 19 years.....	34	28	29	20	(2)	(2)	20	17	9	3	(2)	(2)
20 to 29 years.....	3,809	3,174	3,459	2,936	90.8	92.5	3,087	2,737	372	199	10.8	6.8
20 to 24 years.....	1,902	1,719	1,668	1,550	87.7	90.2	1,424	1,409	244	141	14.6	9.1
25 to 29 years.....	1,907	1,455	1,791	1,386	93.9	95.3	1,663	1,328	128	58	7.2	4.2
30 to 34 years.....	629	715	613	694	97.5	97.1	584	678	29	17	4.7	2.4
35 to 39 years.....	2,353	2,766	2,293	2,717	97.4	98.2	2,214	2,658	79	58	3.4	2.1
40 to 44 years.....	3,826	4,040	3,699	3,921	96.7	97.1	3,564	3,835	135	86	3.7	2.2
45 to 54 years.....	8,556	8,200	8,138	7,795	95.1	95.1	7,856	7,624	282	171	3.5	2.2
55 to 64 years.....	2,816	2,506	2,385	2,131	84.7	85.1	2,284	2,060	101	71	4.2	3.3
65 years and over.....	1,764	1,805	364	399	20.7	22.1	355	390	9	9	2.6	2.2
POST-KOREAN PEACETIME VETERANS												
Total, 20 to 49 years old.....	2,992	3,001	2,934	2,940	98.0	98.0	2,790	2,849	144	91	4.9	3.1
20 to 24 years.....	17	44	16	42	(2)	(2)	14	40	2	2	(2)	(2)
25 to 29 years.....	748	992	727	959	97.1	96.7	680	917	47	42	6.4	4.4
30 to 34 years.....	1,621	1,559	1,597	1,540	98.5	98.8	1,524	1,501	73	39	4.6	2.5
35 to 39 years.....	566	381	556	375	98.2	98.3	535	367	21	8	5.8	2.1
40 to 44 years.....	34	21	33	20	(2)	(2)	32	20	1	--	(2)	--
45 to 49 years.....	6	4	5	4	(2)	(2)	5	4	--	--	--	--
NONVETERANS												
Total, 16 years old and over.....	38,405	37,465	27,036	26,619	70.4	71.1	25,029	25,259	2,006	1,361	7.4	5.1
16 to 19 years.....	7,297	6,993	3,605	3,499	49.4	50.0	2,948	3,018	657	481	18.2	13.8
20 to 29 years.....	9,209	8,714	7,844	7,397	85.2	84.9	7,188	6,991	656	407	8.4	5.5
20 to 24 years.....	5,327	4,879	4,158	3,741	78.0	76.7	3,709	3,469	449	272	10.8	7.3
25 to 29 years.....	3,882	3,835	3,686	3,656	95.0	95.3	3,479	3,522	207	135	5.6	3.7
30 to 34 years.....	3,174	3,020	3,067	2,924	96.6	96.8	2,936	2,834	131	90	4.3	3.1
35 to 39 years.....	2,212	2,011	2,119	1,931	95.8	96.0	2,032	1,859	87	72	4.1	3.7
40 to 44 years.....	1,738	1,622	1,653	1,538	95.1	94.8	1,589	1,494	64	44	3.9	2.8
45 to 54 years.....	2,547	2,813	2,324	2,597	91.3	92.3	2,216	2,523	108	74	4.6	2.8
55 to 64 years.....	5,838	6,044	4,767	4,985	81.6	82.5	4,546	4,854	220	131	4.6	2.6
65 years and over.....	6,390	6,248	1,657	1,748	25.9	28.0	1,574	1,686	83	62	5.0	3.5

<sup>1/</sup> War veterans are defined by the dates of their service in the U. S. Armed Forces as follows: Vietnam Era--served after August 4, 1964; Korean Conflict--served at any time between June 27, 1950 and January 31, 1955; World War II--served at any time from September 16, 1940 to July 25, 1947; World War I--served at any time between April 6, 1917 and November 11, 1918. A Post-Korean Peacetime veteran served in the Armed Forces between February 1, 1955 and August 4, 1964, inclusive. A person who served in more than one period is classified according to his latest period of service. A Nonveteran never served in the Armed Forces, or served only in peacetime prior to June 27, 1950.

<sup>2/</sup> Percent not shown where base is less than 75,000.

NOTE: Because of rounding, sums of individual items may not equal totals. Rates are based on unrounded numbers.

# Shifting Patterns in Employment, 1939-70

\*John M. Kelly and  
Kenneth W. Shipp

One of the most effective methods of evaluating a country's technological progress is to study the occupational composition of its labor force. Usually an industrially advanced nation will employ most of its workers in service-producing industries. Relatively small amounts of labor can produce sufficient goods for an expanding population, and more workers are able to provide services. The United States is a primary example of such a country. From 1939 to 1970,<sup>1</sup> employment on the Nation's non-agricultural payrolls rose by over 40 million to 70.7 million—a 130.8 percent increase. Nearly three-fourths of this gain occurred in the service-producing industries. (See table 1.)

## Service-producing industries

For the 1939-70 period, service-producing industries expanded their employment by 158.0

percent. Trade, services, and government employment each gained over 8 million workers. These three industries accounted for nearly nine-tenths of the growth in the entire sector.

Employment in transportation and public utilities grew a moderate 53.2 percent from 2.9 million in 1939 to 4.5 million in 1970. For the same period finance, insurance, and real estate employment rose by more than one and a half times to 3.7 million. Employment in

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<sup>1</sup> The 1939-70 period is used because 1939 is the first year that data are available for all States, except Alaska and Hawaii, under the Current Employment Statistics Program.

SOURCE: Historical State and area data upon which this article is based will appear in the bulletin Employment and Earnings, States and Areas, 1939-70. BLS Bulletin 1370-8, scheduled for release in the fall of 1971.

**Table 1. Nonagricultural employment in the United States by major industry division, 1939 and 1970**

(Employment in thousands)

Industry	1939	1970	Change	Percent change
Total .....	30,618	70,664	40,046	130.8
Goods-producing .....	12,282	23,362	11,080	90.2
Mining .....	854	622	-232	-27.2
Contract construction .....	1,150	3,347	2,197	191.0
Manufacturing .....	10,278	19,393	9,115	88.7
Durable goods .....	4,715	11,203	6,488	137.6
Nondurable goods .....	5,564	8,190	2,626	47.2
Service-producing .....	18,336	47,301	28,965	158.0
Transportation and public utilities .....	2,936	4,498	1,562	53.2
Wholesale and retail trade ...	6,426	14,950	8,524	132.6
Finance, insurance and real estate .....	1,462	3,679	2,217	151.6
Services .....	3,517	11,577	8,060	229.2
Government .....	3,995	12,597	8,602	215.3
Federal .....	905	2,705	1,800	198.9
State and local .....	3,090	9,891	6,801	220.1

trade rose 132.6 percent from 6.4 million in 1939 to 15.0 million in 1970. The percent advance in the wholesale and retail trade components were practically the same.

Services had the largest percentage increase, 229.2 percent, of all the major industry divisions and the fourth largest absolute gain in employment. Government employment more than tripled during the 1939-70 period from 4.0 million to 12.6 million. State and local government employment accounted for four-fifths of the increase.

**Goods-producing industries**

Manufacturing led the advance in the goods-producing sector; over two-thirds of its increase occurred in the durable goods industries. Manufacturing employment expanded from 10.3 million in 1939 to 19.4 million in 1970—an 88.7 percent gain. Machinery, except electrical; electrical equipment and supplies; and transportation equipment all showed vigorous growth

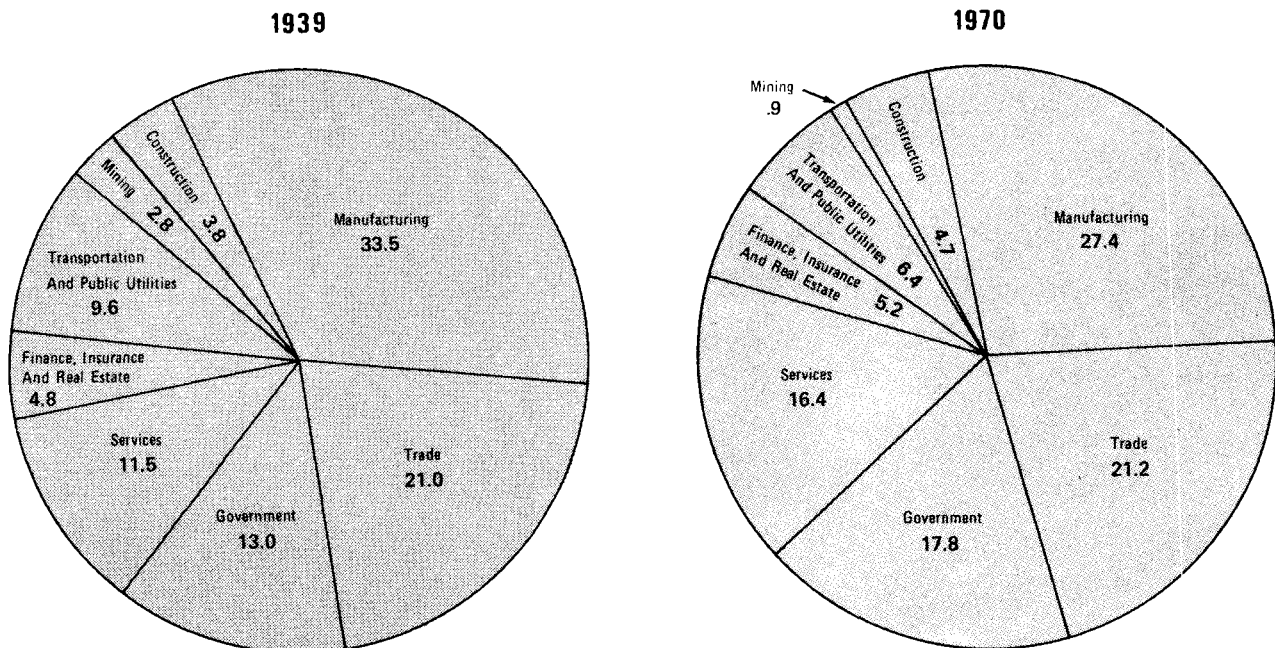
and accounted for almost two-thirds of the increase in durable goods employment.

Employment growth in nondurable manufacturing industries, at 47.2 percent, lagged far behind the durable goods component. The strongest areas of growth were in paper and allied products, printing and publishing, chemicals and allied products, and rubber and plastic products. All other nondurable industries showed moderate employment rises, except textile mill products which experienced a decline.

Although contract construction accounted for only 5.5 percent of the overall employment increase for the 1939-70 period, the number of employees within the industry almost tripled.

Mining was the only major industry division in which employment declined. In 1939 mining employment averaged 854 thousand, but by 1970 it had dropped to 622 thousand, a reduction of nearly three-tenths. A major reason for this decline had been technological changes that resulted in a high capital-labor input ratio.

**Chart 1. Percent distribution of employees on nonagricultural payrolls, by major divisions, 1939 and 1970**



### Composition of nonfarm employment

In 1939 goods-producing industries represented two-fifths of total nonagricultural payroll employment while service-producing accounted for three-fifths. The gap between the two widened considerably by 1970 as the proportion employed in the service-producing industries increased to two-thirds. The relative decrease in goods-producing industries occurred in manufacturing and mining; manufacturing as a portion of nonagricultural employment declined from 33.5 to 27.4 percent over the 1939-70 period and mining declined from 2.8 to .9 percent. (See chart 1.)

The decrease in manufacturing's portion of employment took place mostly in the nondurable goods industries. In 1939 nondurables accounted for 54.1 percent of manufacturing employment and durables accounted for the remaining 45.9 percent. By 1970 their positions were reversed; durables represented 57.8 percent of manufacturing employment. The rapid rise in employment in machinery, electrical equipment and supplies, and transportation equipment was a major cause for durables overtaking nondurables. The decrease in textile mill products employment and the slow growth in food and apparel employment also contributed to the rise of employment in durables over nondurables.

Urban areas also have experienced a re-composition of their employment structure with increases in service-producing industries exceeding gains in goods-producing industries. The 10 largest States and areas have all witnessed far bigger gains in services employment than in manufacturing. (See table 2.)

### Regional and State employment gains

The States in the South and West experienced employment growth at a higher rate than did the already populous Northeast and Midwest. Nevada, Arizona, and Florida had fivefold expansions in employment. The number of employees in California, Texas, New Mexico, Colorado, and Utah more than tripled. States in the Northeast and Midwest lagged behind other regions in the percent increase of employees. West Virginia's employment has risen

only 37.6 percent since 1939. Employment in Pennsylvania has increased 61.0 percent and Massachusetts 64.0 percent. In the Midwest only Minnesota had an employment gain above the national average. (See chart 2.)

Geographic employment shifts in the 1939-70 period have been substantial. (See chart 3.) The New England, Middle Atlantic, and East North Central regions accounted for 57.6 percent of total nonagricultural employment and 68.0 percent of manufacturing employment in 1939. In 1970 these regions accounted for 47.2 percent of the total and 55.0 percent

**Table 2. Percent change in nonagricultural, manufacturing, and services employment in the United States and 10 largest States, 1939-70**

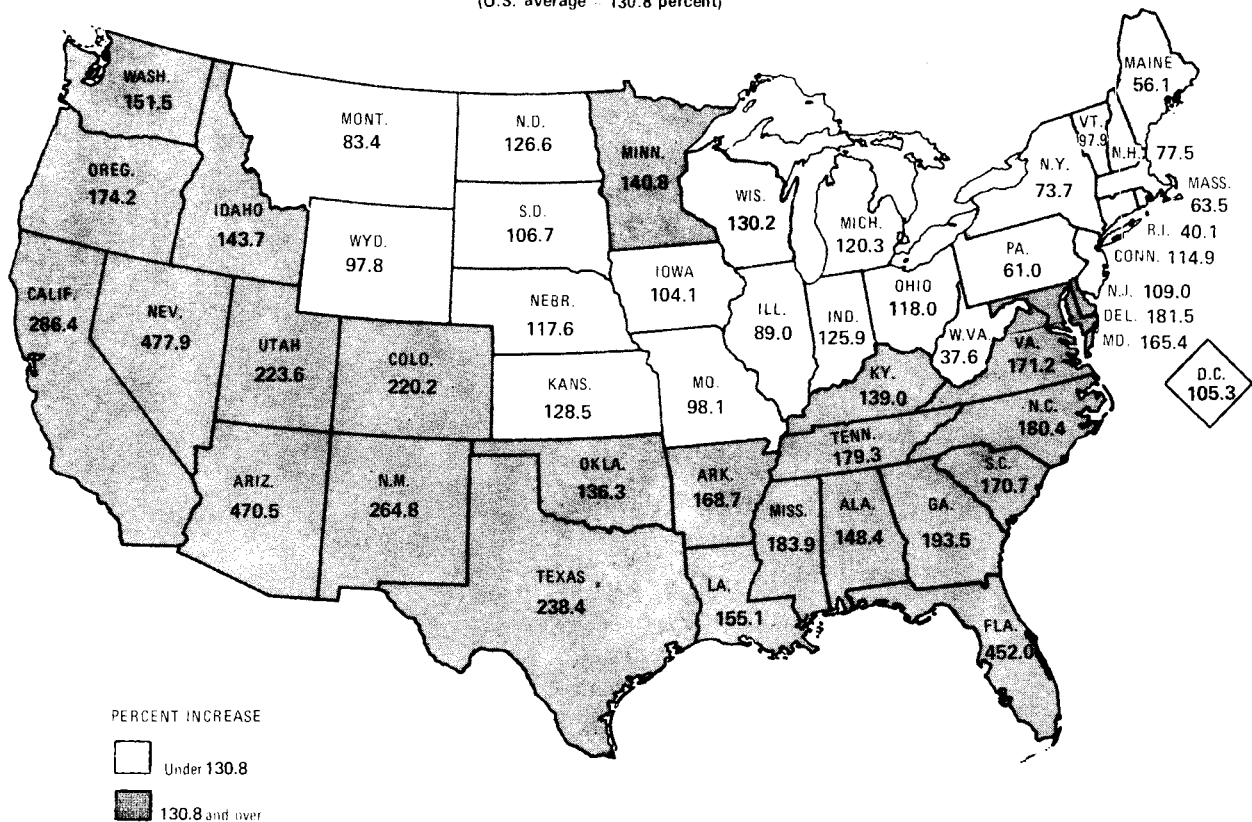
United States and States	Percent change 1939-70		
	Nonagricultural employment	Manufacturing employment	Services employment
United States . . . . .	130.8	88.7	229.2
California . . . . .	286.4	307.9	367.0
New York . . . . .	73.7	30.5	169.6
Pennsylvania . . . . .	61.0	44.2	150.6
Illinois . . . . .	89.0	67.1	154.5
Texas . . . . .	238.4	305.6	321.7
Ohio . . . . .	118.0	83.2	220.1
Michigan . . . . .	120.3	72.1	249.4
New Jersey . . . . .	109.0	48.3	244.0
Florida . . . . .	452.0	354.1	642.1
Massachusetts . . . . .	63.5	11.4	195.9

**Table 2a. Percent change in nonagricultural, manufacturing, and services employment in the United States and 10 largest areas, 1960-70**

United States and areas	Percent change 1960-70		
	Nonagricultural employment	Manufacturing employment	Services employment
United States . . . . .	30.3	15.5	56.0
New York . . . . .	14.3	-12.9	37.0
Los Angeles— Long Beach . . . . .	32.3	10.4	65.5
Chicago . . . . .	20.6	8.3	37.8
Philadelphia . . . . .	19.5	-0.9	52.3
Detroit . . . . .	23.6	8.2	50.7
San Francisco— Oakland . . . . .	31.9	3.2	64.1
Boston . . . . .	20.1	-8.6	60.0
Washington . . . . .	27.9	-7.9	47.3
Pittsburgh . . . . .	12.6	-4.6	39.0
St. Louis . . . . .	21.9	4.3	52.3

Chart 2. Percent increase in nonagricultural employment by State, 1939 to 1970

(U.S. average = 130.8 percent)



of manufacturing employment. (See table 3.) The shift of employment to the South and West has been influenced by factors such as lower costs of construction, land, and labor; new and improved transportation strengthened by a network of interstate highways; new sources of cheaper power such as electricity, gas, and oil; manufacturers' desire for proximity to raw materials; and more agreeable climates.

Coal-producing States like Pennsylvania and West Virginia have had declines in mining employment while Texas and Louisiana, rich in petroleum and natural gas, have experienced growth in this sector.

Increased employment in construction; transportation and public utilities; finance, insurance, and real estate; services; and government has been concentrated in States of the West and South, particularly in growth States like California, Texas, and Florida. Although population shifts accounted for some of this gain, much of it was due to movement of employers from the North and East to the West and South.

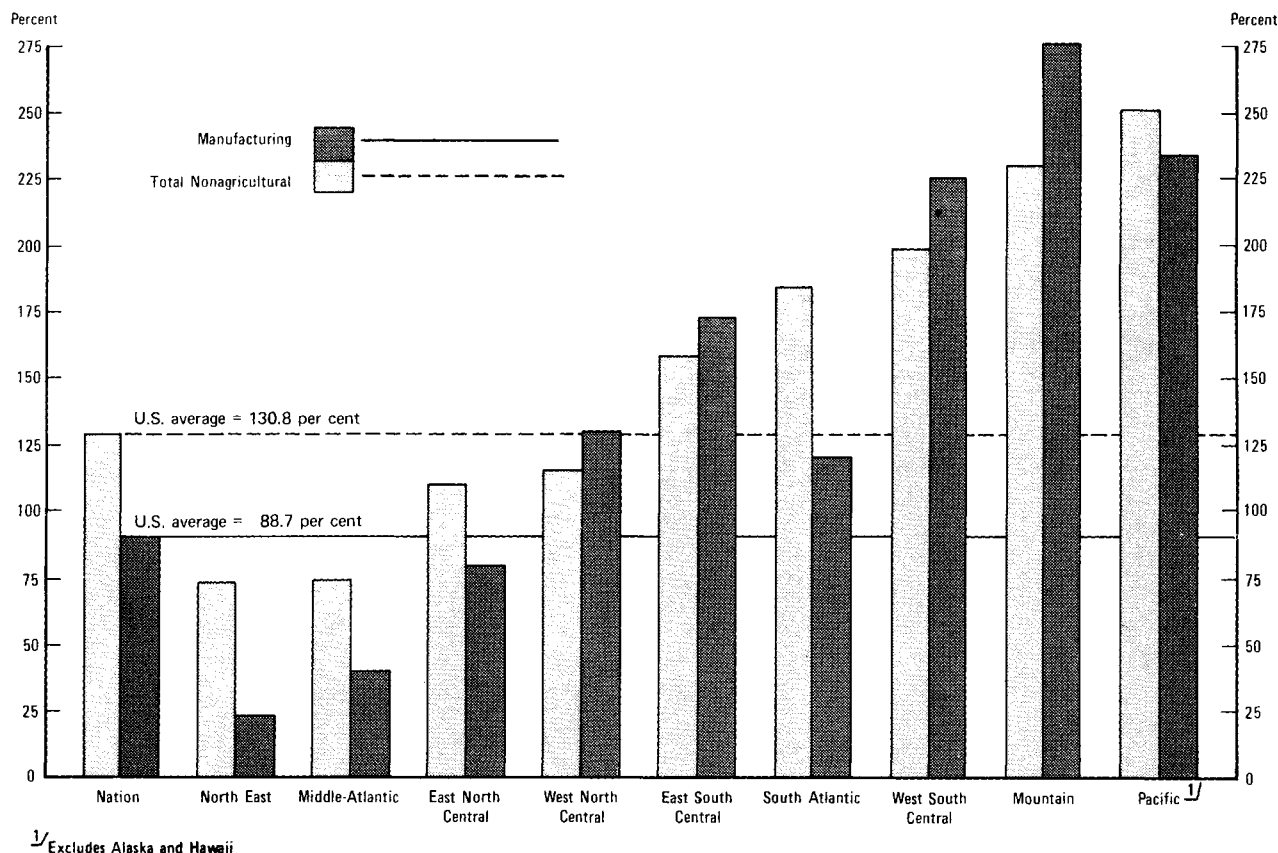
Sizable advances in manufacturing and service employment in California, Florida, and Texas exceeded the other States listed in table 2

Table 3. Percent distribution of nonagricultural and manufacturing employment in the United States by region, 1939 and 1970

United States and regions	Percent distribution			
	Nonagricultural employment		Manufacturing employment	
	1939	1970	1939	1970
United States . . . . .	100.0	100.0	100.0	100.0
New England . . . . .	8.6	6.4	11.5	7.5
Middle Atlantic . . . . .	26.4	20.1	29.2	21.5
East North Central . . . . .	22.6	20.8	27.4	26.0
West North Central . . . . .	8.1	7.6	5.2	6.3
South Atlantic . . . . .	12.0	14.9	11.8	13.9
East South Central . . . . .	4.8	5.4	4.4	6.3
West South Central . . . . .	6.6	8.5	3.7	6.3
Mountain . . . . .	2.7	3.8	1.0	1.9
Pacific <sup>1</sup> . . . . .	8.2	12.5	5.8	10.3

<sup>1</sup> Excludes Alaska and Hawaii.

**Chart 3. Percent increase-total nonagricultural and manufacturing employment, United States and regions, 1939 to 1970**



and illustrate the employment shift to the South and West as well as signifying larger employment increases in services than in manufacturing.

#### Employment changes, 1960-70

Of the total employment gain during the 1939-70 period, 41.0 percent occurred between 1960 and 1970. The number of workers on non-agricultural payrolls increased by 16.4 million during this 10-year period. Goods-producing and service-producing sectors grew by 3.0 and 13.5 million workers, respectively. These numbers indicate that 46.5 percent of the employment growth in service-producing industries that occurred over the past 31 years took place in the 1960's, whereas the increase in goods-producing was a moderate 26.8 percent. (See table 4.)

Services and government registered the most notable employment advances as each gained over 4 million workers. These workers were over half of the employment rise between 1939 and 1970 for services and nearly half the rise for government. The increase in government employment came mostly in State and local governments. Employment in State and local education was a major factor in this gain.

Trade and finance, insurance, and real estate also grew vigorously during the 1960's; employment increased 31.2 and 37.8 percent, respectively. Trade employment jumped from 11.4 million to 15.0 million and finance, insurance, and real estate from 2.7 million to 3.7 million. Transportation and public utilities showed a moderate 12.3 percent growth during this period, a gain of only 494 thousand workers.

Manufacturing employment rose by 2.6 million to reach 19.4 million, an increase of 15.5 percent. Durable goods industries accounted

**Table 4. Nonagricultural employment in the United States by major industry division, 1960 and 1970**

(Employment in thousands)

Industry	1960	1970	Change	Percent change
Total .....	54,234	70,664	16,430	30.3
Goods-producing .....	20,393	23,362	2,969	14.6
Mining .....	712	622	-90	-12.6
Contract construction .....	2,885	3,347	462	16.0
Manufacturing .....	16,796	19,393	2,597	15.5
Durable goods .....	9,459	11,203	1,744	18.4
Nondurable good .....	7,336	8,190	854	11.6
Service-producing .....	33,840	47,301	13,461	39.8
Transportation and public utilities .....	4,004	4,498	494	12.3
Wholesale and retail trade ...	11,391	14,950	3,559	31.2
Finance, insurance and real estate .....	2,669	3,679	1,010	37.8
Services .....	7,423	11,577	4,154	56.0
Government .....	8,353	12,597	4,244	50.8
Federal .....	2,270	2,705	435	19.2
State and local .....	6,083	9,891	3,808	62.6

for over two-thirds of this rise. Electrical equipment and supplies; machinery, except electrical; transportation equipment; and fabricated metal products experienced the largest rises in manufacturing employment. These four industries alone accounted for more than half of the employment gain in manufacturing for the 1960-70 period.

#### Hours and earnings in manufacturing

Average weekly hours of manufacturing production workers from 1939 to 1970 showed minor changes except for the World War II period of increased production which resulted in higher hours. There was less divergence between regions in the basic workweek than in regional earnings. States with a predominance of durable goods industries appeared to have a slightly longer workweek than States engaged mostly in nondurable manufacturing. The longer workweek was reflected in higher earnings in durable goods-producing States like Ohio and Michigan.

Geographic differences in earnings of production workers on manufacturers' payrolls were large. In 1970 average weekly earnings of workers in Michigan were highest in the Nation at \$168.33,<sup>2</sup> while workers in North Carolina earned \$97.17. Trailing Michigan in high earnings were Nevada, Washington, Ohio,

and California; Mississippi, Arkansas, South Carolina, and New Mexico were just ahead of North Carolina at the lower end of the scale.

Durable goods industries located in Western (aircraft and missile manufacturing) and North Central States (automobile production) paid significantly higher wages than nondurable goods industries located in the Southern States (textiles and apparel). This difference partially accounted for the wide divergence in regional earnings. The difference has been narrowing as the earnings of Southern workers have increased relatively more than the earnings of workers in other regions over the past 10 years. (See following tabulation.)

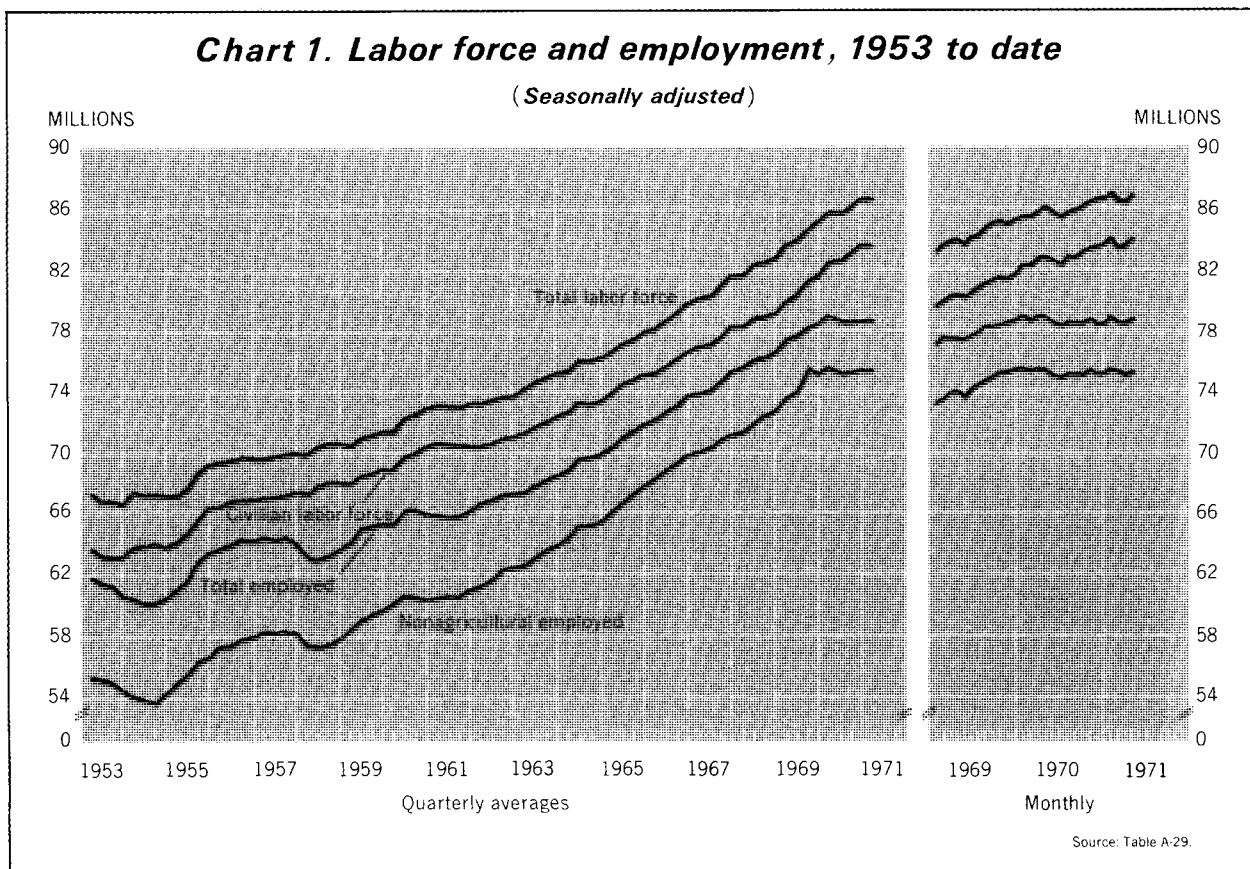
Nation and States	<u>Gross average weekly earnings</u>		Percent change
	1960	1970	
United States.....	\$ 89.72	\$ 133.73	49.1
Michigan .....	112.00	168.33	50.3
Ohio .....	104.13	154.69	48.6
California.....	104.28	150.48	44.3
Louisiana.....	86.71	137.10	58.1
New York .....	89.61	134.59	50.2
Florida.....	76.07	118.78	56.1
Georgia .....	65.40	106.27	62.5
Mississippi.....	60.50	97.69	61.5
North Carolina.....	61.14	97.17	58.9

<sup>2</sup> In continental United States only.



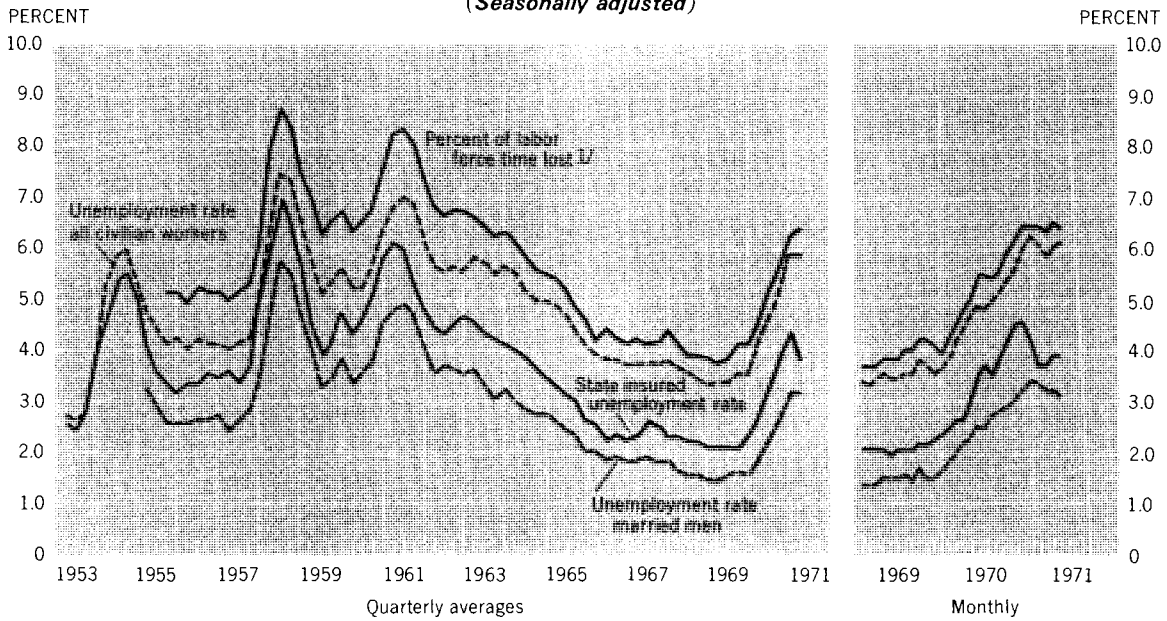
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**Chart 2. Major unemployment indicators  
1953 to date**

(Seasonally adjusted)

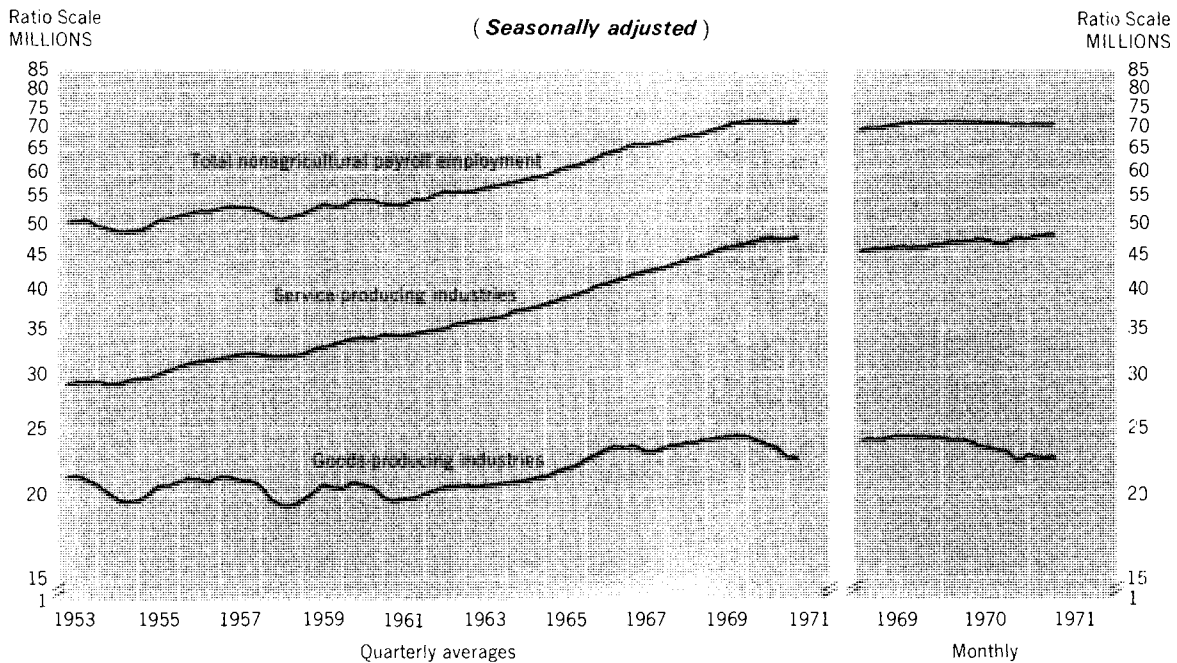


<sup>1/</sup> Series revised beginning 1963 to reflect whether unemployed persons sought full- or part-time jobs.

Source: Table A 33.

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

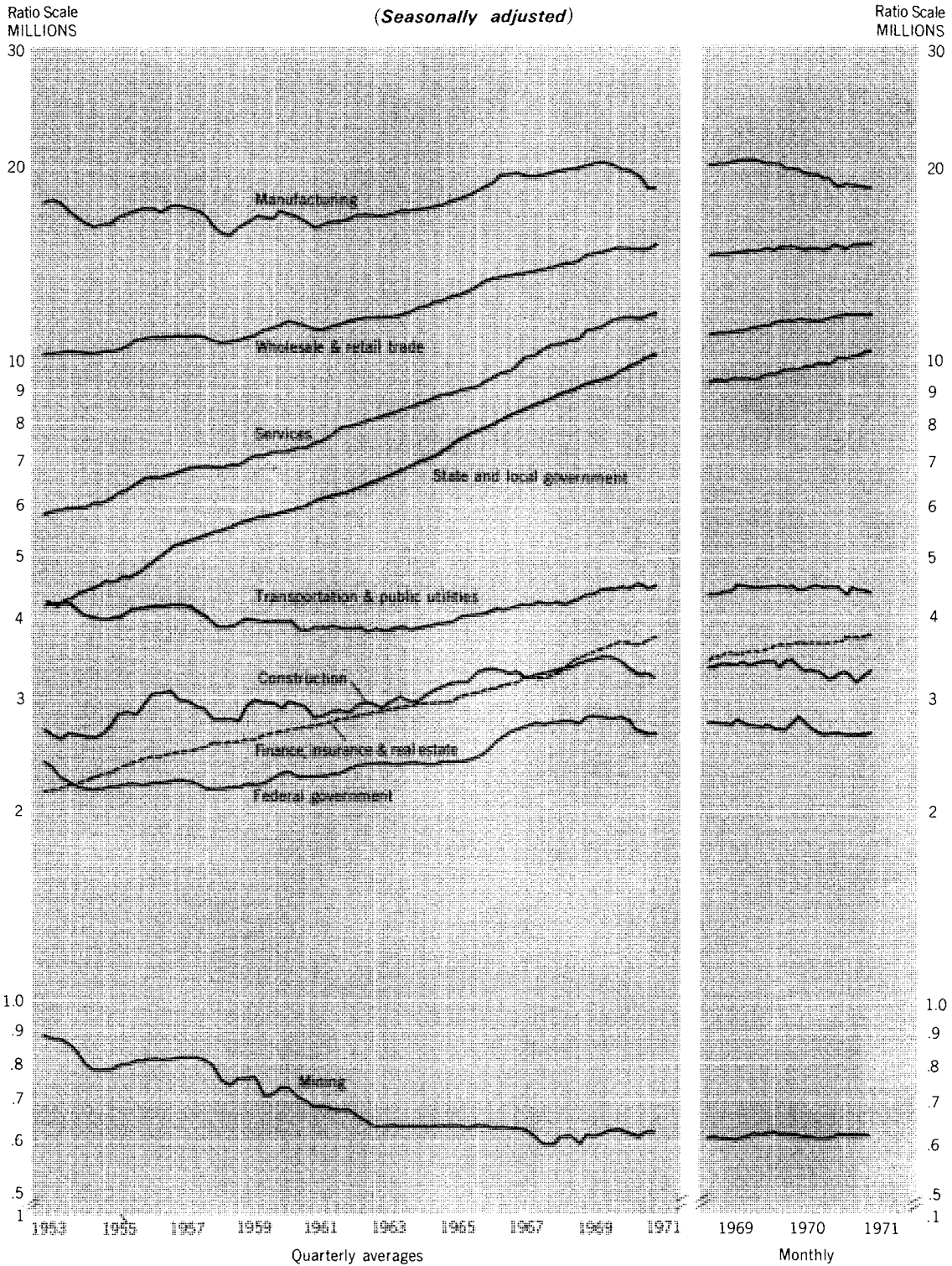
(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

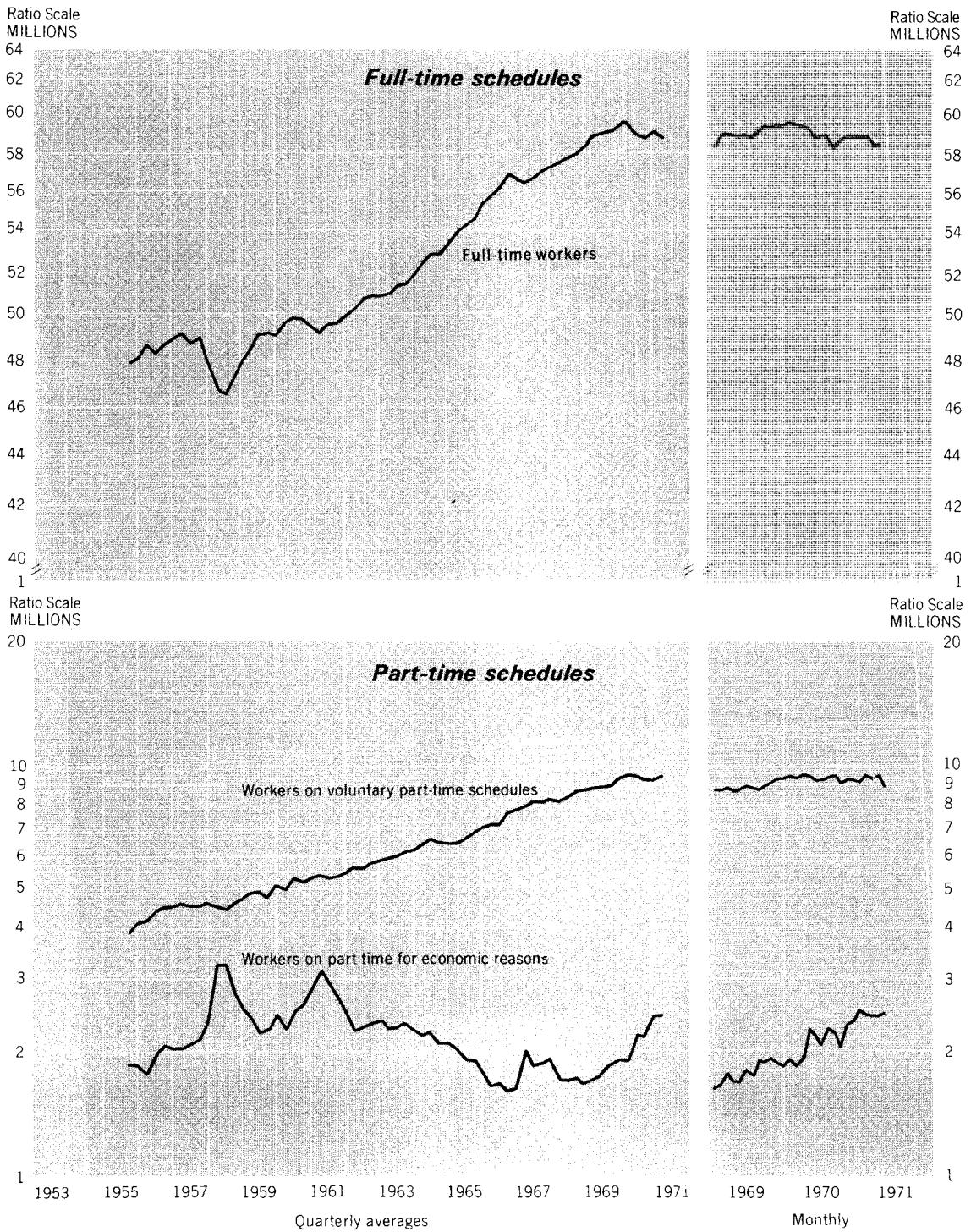
### Chart 4. Nonagricultural payroll employment by industry 1953 to date



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)

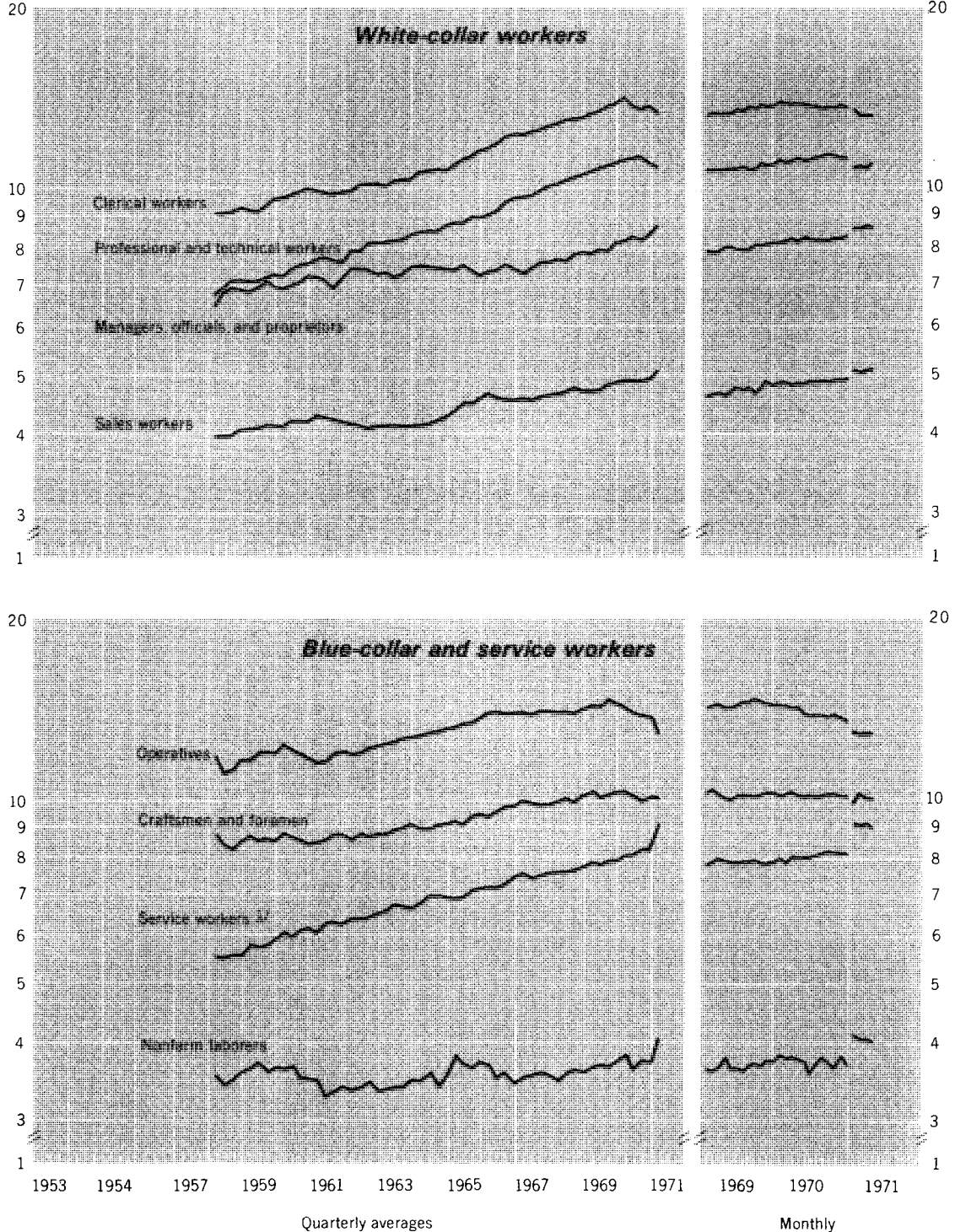


Source: Table A-29 and unpublished data.

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

Ratio Scale  
MILLIONS

Ratio Scale  
MILLIONS

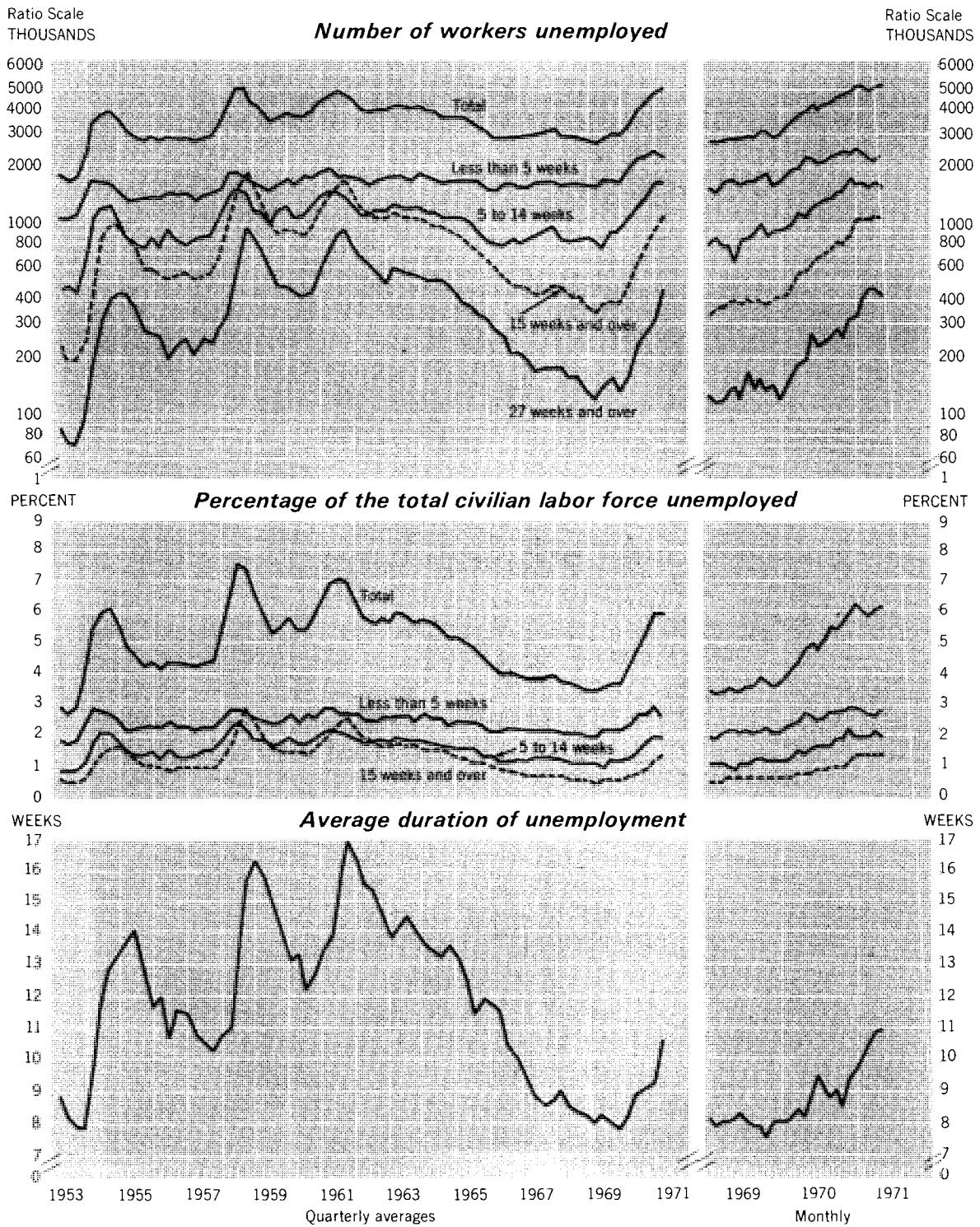


⌋ Excludes private household workers.

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.

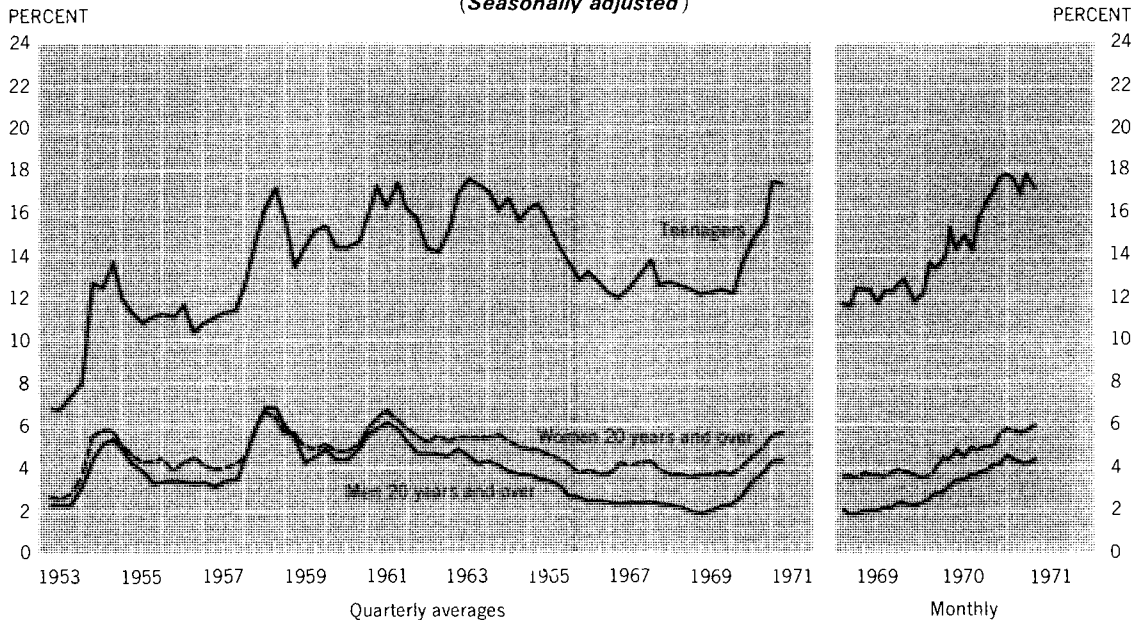
Source: Table A.37.

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



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

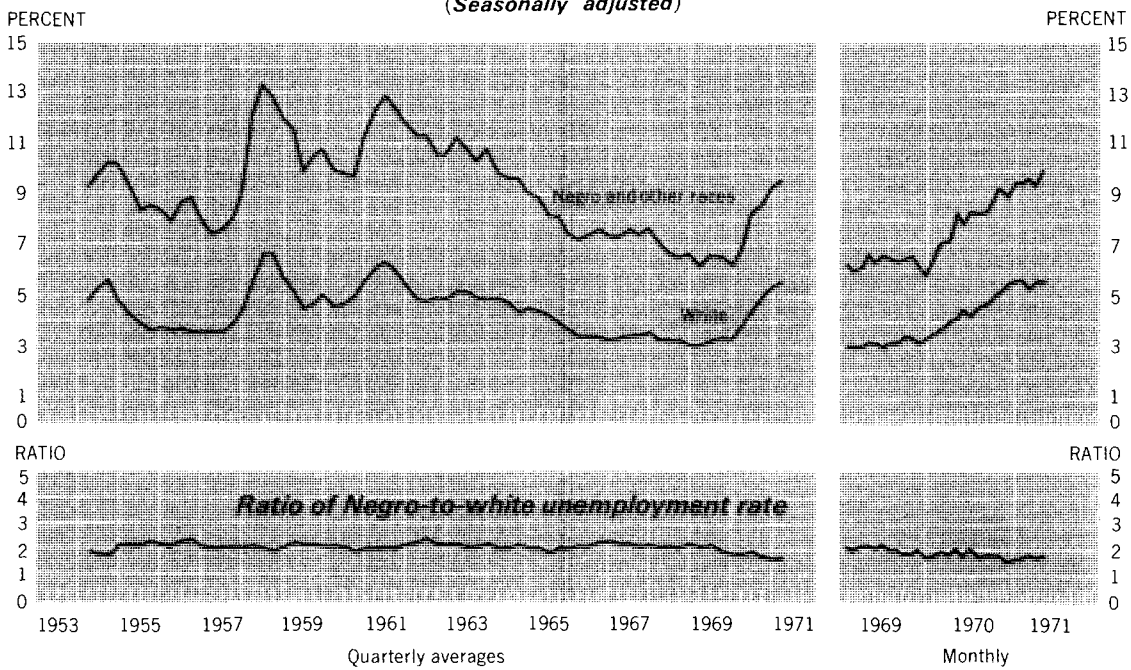
(Seasonally adjusted)



Source: Table A-33.

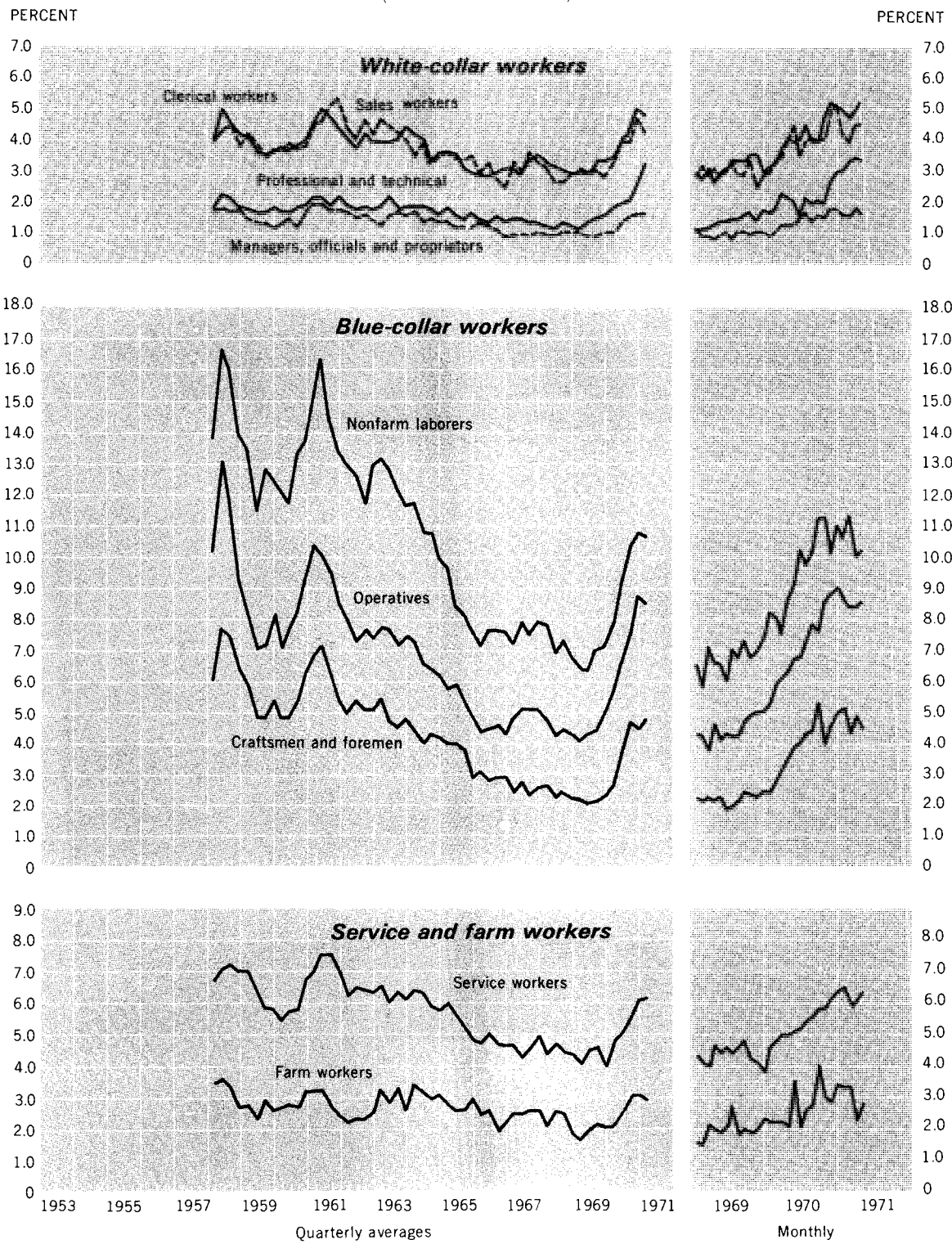
**Chart 9. Unemployment rates by color  
1954 to date**

(Seasonally adjusted)



Source: Table A-31.

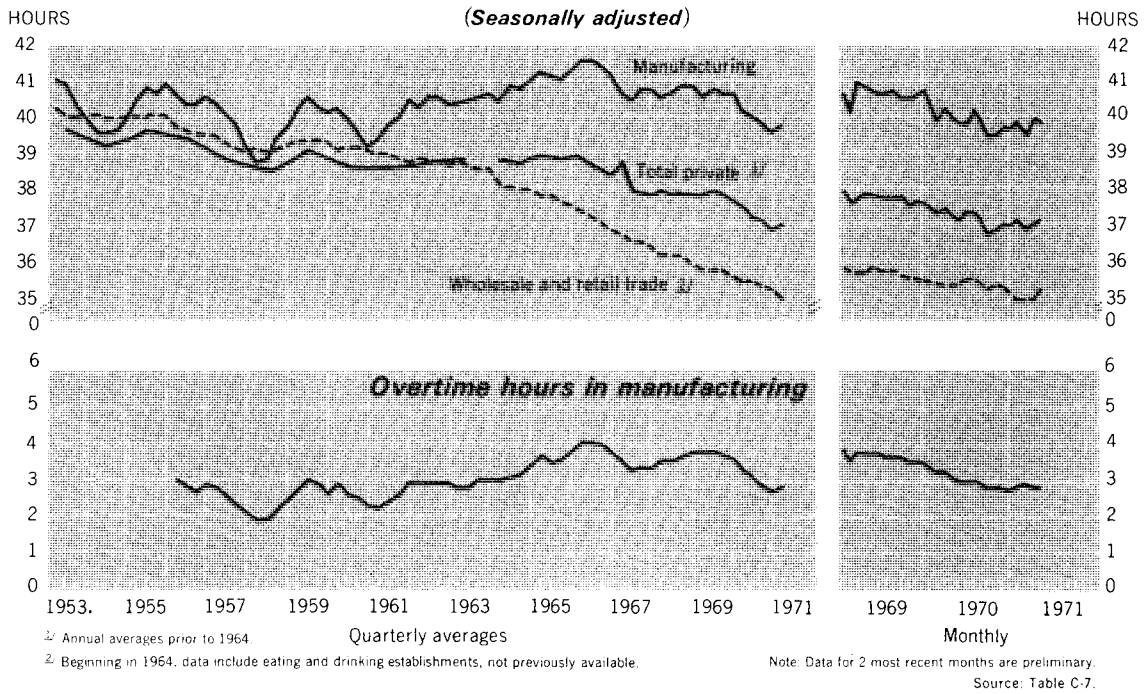
**Chart 10. Unemployment rates by occupation**  
**1958 to date**  
*(Seasonally adjusted)*



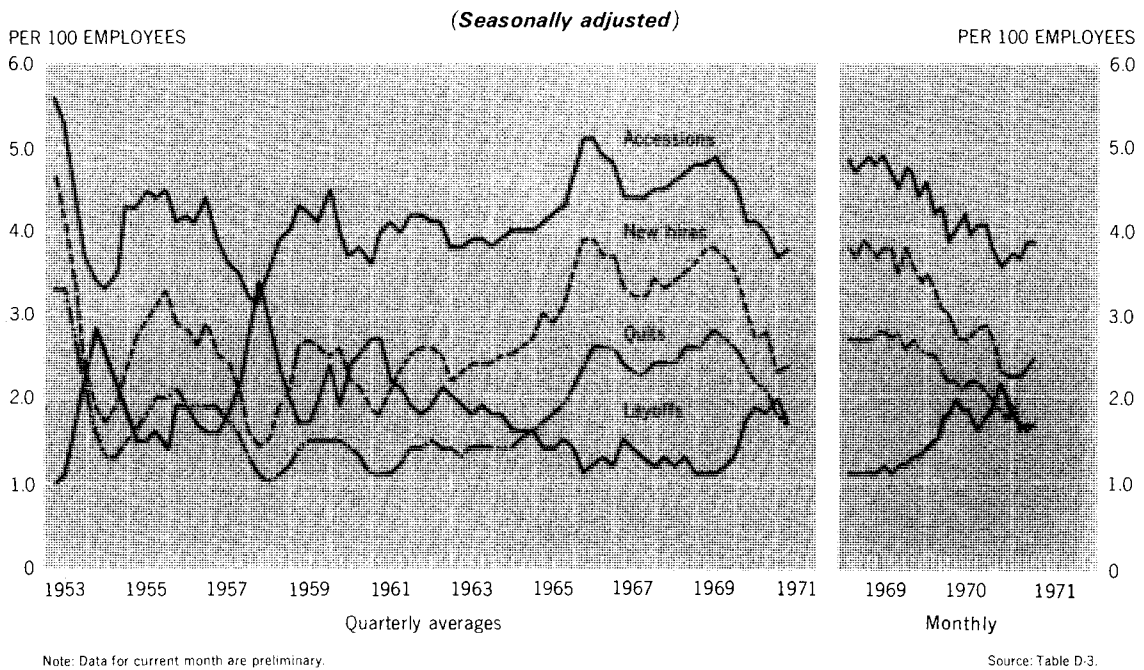
Source: Table A 33



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



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



### Chart 13. 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

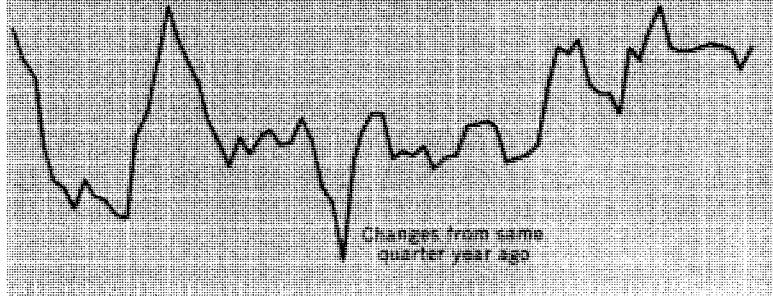
3.0

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

Changes from previous quarter

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

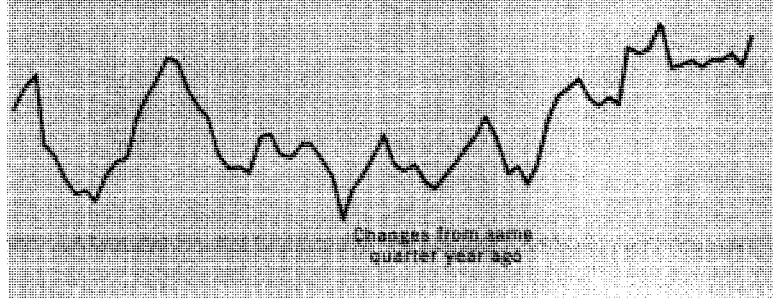
3.0

2.0

1.0

0

**Changes in average hourly 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

Changes from previous quarter

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

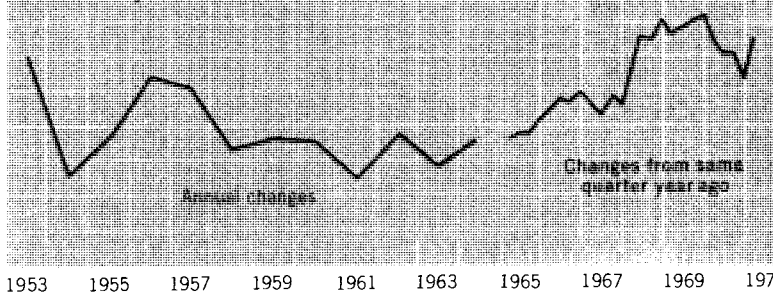
3.0

2.0

1.0

0

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



11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

0

6-month changes (monthly data)

1953

1955

1957

1959

1961

1963

1965

1967

1969

1971

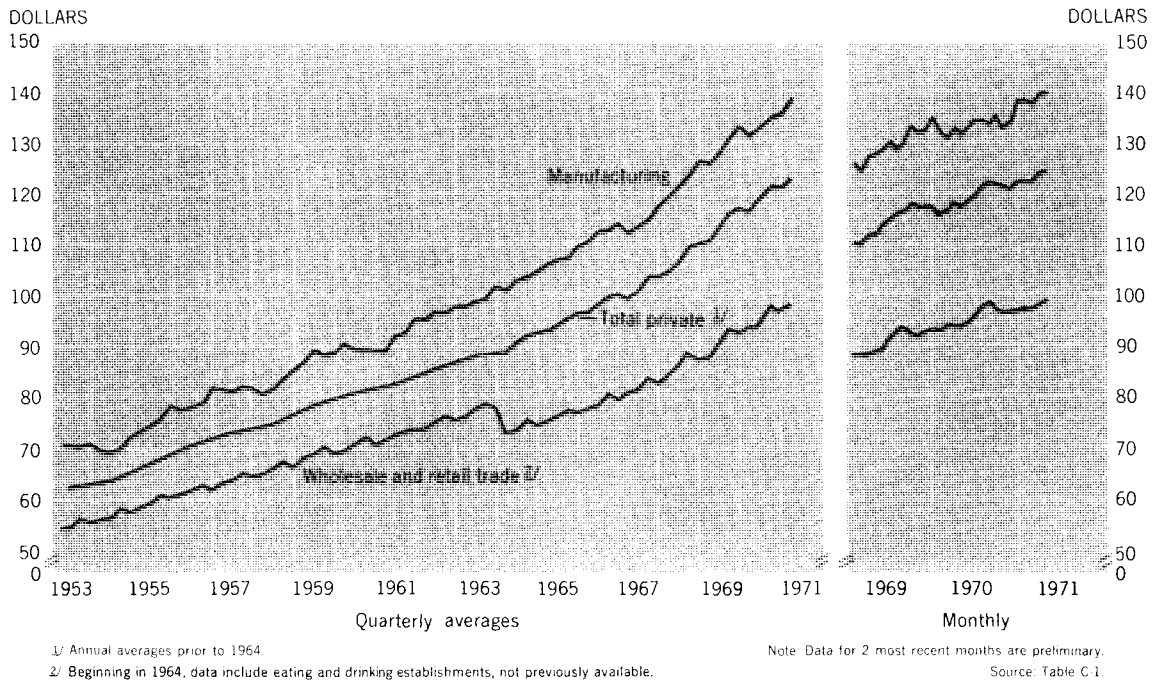
1969

1970

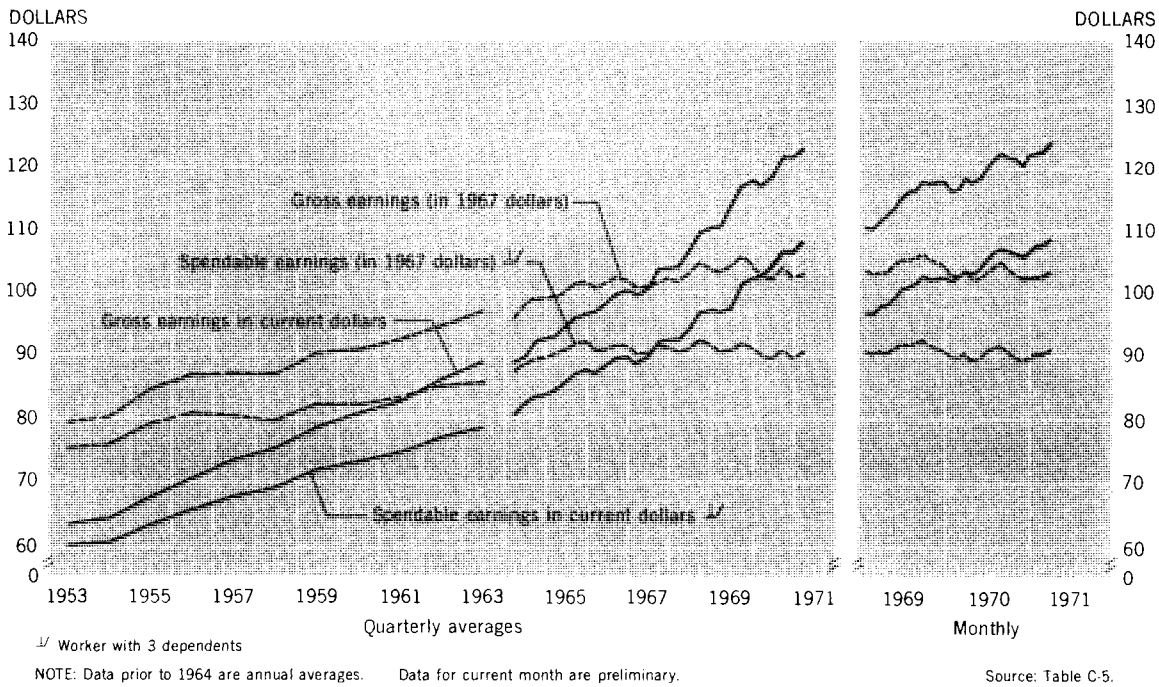
1971

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

**Chart 14. Average weekly earnings in private nonagricultural establishments, manufacturing, and trade 1953 to date**



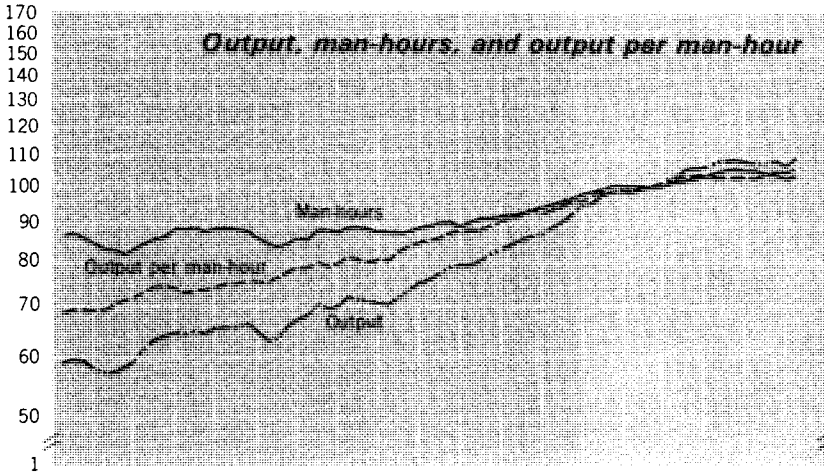
**Chart 15. Average weekly and spendable earnings of production or nonsupervisory workers on private nonagricultural payrolls 1953 to date**



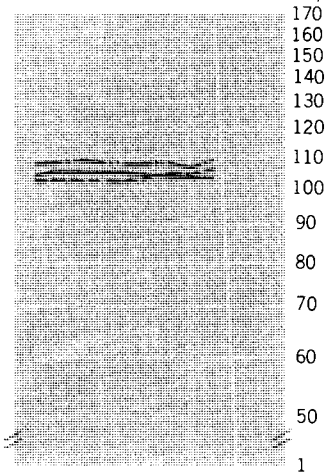
**Chart 16. Indexes of output per man-hour, hourly compensation, and unit labor costs in the private nonfarm economy  
1953 to date**

(Seasonally adjusted quarterly averages)

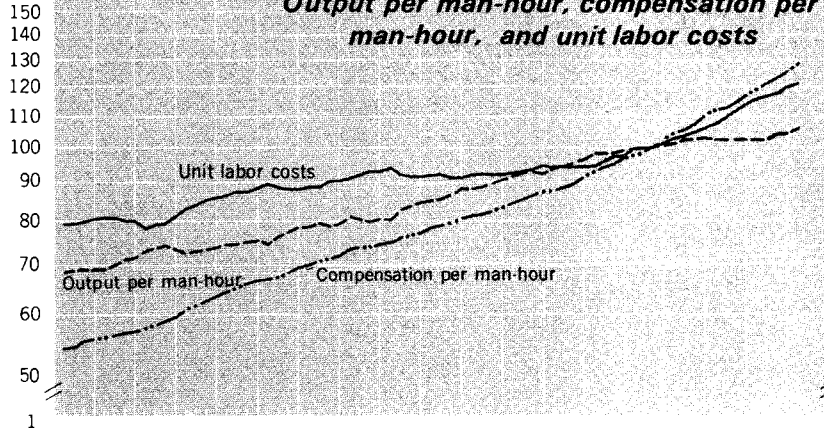
RATIO SCALE  
INDEX (1967 = 100)



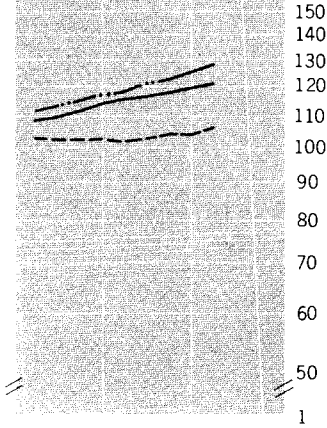
RATIO SCALE  
INDEX (1967 = 100)



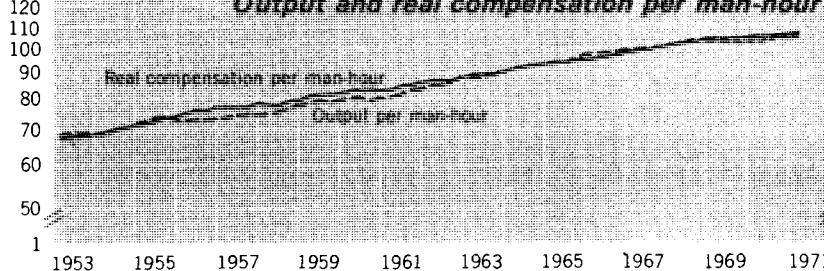
RATIO SCALE  
INDEX (1967 = 100)



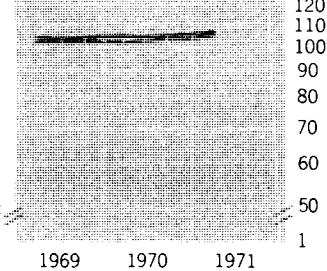
RATIO SCALE  
INDEX (1967 = 100)



RATIO SCALE  
INDEX (1967 = 100)



RATIO SCALE  
INDEX (1967 = 100)



Source: Table C-10.

MONTHLY TABLES

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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			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
Persons 16 years of age and over											
1947.....	103,418	60,941	58.9	59,350	57,039	7,891	49,148	2,311	3.9	-	42,477
1948.....	104,527	62,080	59.4	60,621	58,344	7,629	50,713	2,276	3.8	-	42,447
1949.....	105,611	62,903	59.6	61,286	57,649	7,656	49,990	3,637	5.9	-	42,708
1950.....	106,645	63,858	59.9	62,208	58,920	7,160	51,760	3,288	5.3	-	42,787
1951.....	107,721	65,117	60.4	62,017	59,962	6,726	53,239	2,055	3.3	-	42,604
1952.....	108,823	65,730	60.4	62,138	60,254	6,501	53,753	1,883	3.0	-	43,093
1953.....	110,601	66,560	60.2	63,015	61,181	6,261	54,922	1,834	2.9	-	44,041
1954.....	111,671	66,993	60.0	63,643	60,110	6,206	53,903	3,532	5.5	-	44,678
1955.....	112,732	68,072	60.4	65,023	62,171	6,449	54,724	2,852	4.4	-	44,660
1956.....	113,811	69,409	61.0	66,552	63,802	6,283	57,517	2,750	4.1	-	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	-	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	-	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	-	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	-	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	-	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	-	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	-	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	-	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	-	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	-	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	-	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	-	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	-	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	-	54,280
1970: April.....	139,687	85,231	61.0	81,960	78,408	3,531	74,877	3,552	4.3	4.7	54,456
August.....	140,468	87,249	62.1	84,115	79,895	3,783	76,112	4,220	5.0	5.1	53,220
September.....	140,675	85,655	60.9	82,546	78,254	3,525	74,729	4,292	5.2	5.4	55,019
October.....	140,886	86,254	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	78,740	3,226	75,514	4,607	5.5	5.9	54,705
December.....	141,301	86,165	61.0	83,152	78,515	2,952	75,563	4,637	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
March.....	141,885	85,598	60.3	82,668	77,493	3,042	74,452	5,175	6.3	6.0	56,286
April.....	142,088	85,780	60.4	82,898	78,204	3,505	74,699	4,694	5.7	6.1	56,308

<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	Agri-culture	Nonagri-cultural indus-tries	Number	Percent of labor force		
									Not season-ally adjusted	Season-ally adjusted	
<b>MALE</b>											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,814	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	-	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	-	13,066
1970: April.....	67,183	53,899	80.2	50,667	48,686	2,978	45,708	1,981	3.9	4.1	13,284
December.....	67,920	54,089	79.6	51,116	48,340	2,505	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
March.....	68,185	53,875	79.0	50,987	47,979	2,595	45,383	3,008	5.9	5.3	14,310
April.....	68,278	54,218	79.4	51,376	48,734	2,920	45,814	2,642	5.1	5.3	14,060
<b>FEMALE</b>											
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	-	35,767
1948.....	53,088	17,351	32.7	17,335	16,618	1,271	15,347	717	4.1	-	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0	-	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7	-	35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4	-	35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6	-	36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	632	3.3	-	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	-	37,247
1955.....	57,610	20,584	35.7	20,548	19,550	1,184	18,367	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8	-	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	-	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	-	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	-	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	-	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	-	38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	-	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	-	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	-	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	-	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	-	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	-	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	-	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	-	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	-	41,214
1970: April.....	72,504	31,332	43.2	31,293	29,722	553	29,169	1,571	5.0	5.6	41,172
December.....	73,381	32,076	43.7	32,036	30,175	447	29,728	1,861	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
March.....	73,700	31,723	43.0	31,682	29,515	447	29,068	2,167	6.8	7.2	41,977
April.....	73,810	31,562	42.8	31,521	29,469	585	28,885	2,052	6.5	7.3	42,248



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

April 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 .....	54,218	79.4	51,376	48,734	2,642	5.1	14,060	296	4,600	1,626	7,537
16 to 21 years .....	6,880	61.2	5,791	5,004	787	13.6	4,360	11	3,856	37	456
16 to 19 years .....	4,126	53.6	3,812	3,240	572	15.0	3,572	6	3,206	20	340
16 and 17 years .....	1,729	43.7	1,703	1,406	296	17.4	2,225	1	2,055	4	165
18 and 19 years .....	2,397	64.0	2,109	1,834	275	13.0	1,348	5	1,151	16	175
20 to 64 years .....	47,965	91.5	45,438	43,446	1,991	4.4	4,444	103	1,394	1,020	1,927
20 to 24 years .....	7,434	84.1	5,957	5,383	574	9.6	1,403	12	1,113	50	228
25 to 54 years .....	33,358	95.6	32,311	31,173	1,138	3.5	1,537	53	277	535	672
25 to 29 years .....	6,582	94.8	6,213	5,922	290	4.7	358	13	199	51	95
30 to 34 years .....	5,538	97.1	5,280	5,101	179	3.4	168	8	37	54	69
35 to 39 years .....	5,213	97.1	4,968	4,795	173	3.5	158	6	16	74	62
40 to 44 years .....	5,475	96.1	5,362	5,212	150	2.8	221	4	11	91	115
45 to 49 years .....	5,566	95.1	5,524	5,353	171	3.1	286	9	8	124	145
50 to 54 years .....	4,984	93.5	4,965	4,790	176	3.5	345	13	6	141	186
55 to 64 years .....	7,173	82.7	7,170	6,890	280	3.9	1,503	38	3	435	1,027
55 to 59 years .....	4,244	89.3	4,241	4,085	156	3.7	510	11	2	196	300
60 to 64 years .....	2,929	74.7	2,929	2,805	124	4.2	993	27	1	239	727
65 years and over .....	2,127	26.0	2,127	2,048	79	3.7	6,044	188	1	586	5,270
65 to 69 years .....	1,258	40.5	1,258	1,192	66	5.2	1,851	54	1	160	1,636
70 years and over .....	869	17.2	869	856	13	1.5	4,193	134	-	426	3,634
<b>White</b>											
16 years and over .....	48,760	79.9	46,237	44,011	2,225	4.8	12,272	263	3,929	1,285	6,795
16 to 21 years .....	6,087	62.4	5,119	4,488	631	12.3	3,660	11	3,256	27	365
16 to 19 years .....	3,700	55.5	3,419	2,950	468	13.7	2,969	7	2,682	17	264
16 and 17 years .....	1,573	46.1	1,550	1,306	244	15.8	1,842	1	1,716	4	121
18 and 19 years .....	2,126	65.4	1,869	1,645	224	12.0	1,127	6	966	13	142
20 to 64 years .....	43,117	92.0	40,874	39,190	1,684	4.1	3,768	78	1,247	793	1,651
20 to 24 years .....	6,515	84.0	5,192	4,736	456	8.8	1,238	11	1,007	33	188
25 to 54 years .....	30,034	96.2	29,117	28,136	982	3.4	1,197	33	237	400	527
25 to 34 years .....	10,799	96.2	10,250	9,843	407	4.0	424	12	203	74	135
35 to 44 years .....	9,613	97.1	9,302	9,031	271	2.9	283	6	22	124	130
45 to 54 years .....	9,622	95.1	9,565	9,262	303	3.2	491	15	12	202	262
55 to 64 years .....	6,568	83.1	6,564	6,318	247	3.8	1,334	34	3	360	937
55 to 59 years .....	3,876	89.7	3,873	3,734	138	3.6	444	10	2	161	271
60 to 64 years .....	2,692	75.2	2,692	2,583	108	4.0	889	24	1	199	665
65 years and over .....	1,944	26.0	1,944	1,871	73	3.8	5,534	178	-	475	4,880
<b>Negro and other races</b>											
16 years and over .....	5,458	75.3	5,140	4,723	417	8.1	1,788	34	671	341	742
16 to 21 years .....	793	53.1	672	516	156	23.2	700	-	600	9	91
16 to 19 years .....	427	41.4	393	290	103	26.3	603	-	524	3	77
16 and 17 years .....	155	28.9	153	101	52	34.2	383	-	339	-	44
18 and 19 years .....	271	55.2	240	189	51	21.2	220	-	185	3	33
20 to 64 years .....	4,848	87.8	4,564	4,256	308	6.7	674	25	147	227	275
20 to 24 years .....	919	84.8	765	647	118	15.4	165	1	107	17	40
25 to 54 years .....	3,323	90.7	3,194	3,038	156	4.9	340	19	41	135	145
25 to 34 years .....	1,321	92.8	1,242	1,181	61	4.9	102	9	32	31	29
35 to 44 years .....	1,075	91.7	1,028	976	52	5.0	97	3	6	41	47
45 to 54 years .....	928	86.8	923	880	43	4.7	141	7	3	63	69
55 to 64 years .....	606	78.1	605	572	34	5.5	169	5	-	75	90
55 to 59 years .....	369	84.9	368	350	18	4.9	65	2	-	35	29
60 to 64 years .....	237	69.5	237	222	16	6.6	104	3	-	40	61
65 years and over .....	183	26.4	183	177	6	3.1	511	10	-	111	390

**A-3: Employment status of the noninstitutional population by sex, age, and color--Continued**  
 April 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 <sup>1</sup>	Unable to work	Other reasons
					Number	Percent of labor force					
<b>FEMALE</b>											
16 years and over .....	31,562	42.8	31,521	29,469	2,052	6.5	42,248	35,109	4,565	956	1,619
16 to 21 years .....	4,881	44.2	4,861	4,197	664	13.7	6,162	1,719	4,140	24	279
16 to 19 years .....	2,959	39.2	2,949	2,491	459	15.5	4,586	786	3,553	17	230
16 and 17 years .....	1,156	29.9	1,156	964	193	16.6	2,710	225	2,335	9	142
18 and 19 years .....	1,802	49.0	1,793	1,527	266	14.8	1,876	561	1,219	9	88
20 to 64 years .....	27,546	49.9	27,515	25,961	1,553	5.6	27,612	25,572	1,005	338	697
20 to 24 years .....	4,927	56.1	4,907	4,461	447	9.1	3,849	2,955	776	16	102
25 to 54 years .....	18,373	50.2	18,361	17,397	965	5.3	18,223	17,400	218	172	433
25 to 29 years .....	3,189	45.3	3,185	2,954	230	7.2	3,851	3,667	95	30	58
30 to 34 years .....	2,653	45.0	2,651	2,485	165	6.2	3,236	3,112	41	10	73
35 to 39 years .....	2,771	49.7	2,769	2,631	138	5.0	2,804	2,679	26	21	77
40 to 44 years .....	3,208	53.4	3,206	3,042	164	5.1	2,794	2,672	25	28	68
45 to 49 years .....	3,492	55.5	3,491	3,324	167	4.8	2,797	2,662	20	35	80
50 to 54 years .....	3,060	52.8	3,060	2,960	100	3.3	2,741	2,608	11	47	76
55 to 64 years .....	4,246	43.4	4,246	4,104	142	3.3	5,541	5,216	11	151	163
55 to 59 years .....	2,544	48.4	2,544	2,449	95	3.7	2,716	2,576	7	68	65
60 to 64 years .....	1,702	37.6	1,702	1,655	47	2.8	2,824	2,641	4	83	97
65 years and over .....	1,057	9.5	1,057	1,017	40	3.8	10,050	8,751	7	600	692
65 to 69 years .....	643	17.0	643	618	25	3.9	3,132	2,864	3	77	188
70 years and over .....	414	5.6	414	399	15	3.6	6,918	5,887	4	523	504
<b>White</b>											
16 years and over .....	27,553	42.1	27,517	25,898	1,619	5.9	37,956	31,955	3,827	749	1,425
16 to 21 years .....	4,338	45.7	4,321	3,815	506	11.7	5,158	1,433	3,484	20	222
16 to 19 years .....	2,673	41.2	2,665	2,296	368	13.8	3,812	640	2,971	15	185
16 and 17 years .....	1,060	32.0	1,060	898	162	15.3	2,256	182	1,955	8	111
18 and 19 years .....	1,613	50.9	1,605	1,398	207	12.9	1,556	458	1,016	7	75
20 to 64 years .....	23,908	49.0	23,880	22,666	1,214	5.1	24,884	23,195	851	237	601
20 to 24 years .....	4,284	56.2	4,267	3,945	322	7.5	3,342	2,588	665	12	77
25 to 54 years .....	15,781	48.9	15,770	15,004	766	4.9	16,506	15,844	175	113	374
25 to 29 years .....	4,883	43.2	4,877	4,588	289	5.9	6,429	6,180	106	27	116
30 to 34 years .....	5,095	50.2	5,092	4,848	244	4.8	5,054	4,848	42	39	125
35 to 44 years .....	5,802	53.6	5,800	5,567	233	4.0	5,023	4,816	27	47	133
55 to 64 years .....	3,843	43.3	3,843	3,717	126	3.3	5,037	4,764	11	112	151
55 to 59 years .....	2,295	48.3	2,295	2,211	84	3.7	2,456	2,341	7	49	59
60 to 64 years .....	1,548	37.5	1,548	1,506	42	2.7	2,581	2,423	4	63	91
65 years and over .....	972	9.5	972	935	37	3.8	9,260	8,120	6	497	638
<b>Negro and other races</b>											
16 years and over .....	4,009	48.3	4,004	3,572	433	10.8	4,292	3,153	738	207	194
16 to 21 years .....	542	35.1	540	382	158	29.2	1,004	286	656	4	57
16 to 19 years .....	286	27.0	285	194	90	31.7	774	145	583	2	44
16 and 17 years .....	97	17.6	97	66	31	31.8	454	43	380	1	31
18 and 19 years .....	189	37.1	188	128	59	31.7	320	103	203	1	13
20 to 64 years .....	3,638	57.2	3,634	3,296	339	9.3	2,728	2,376	155	101	96
20 to 24 years .....	642	55.9	640	516	124	19.5	507	367	112	4	25
25 to 54 years .....	2,592	60.2	2,591	2,393	199	7.7	1,717	1,557	43	58	59
25 to 29 years .....	959	59.3	958	852	106	11.1	658	599	30	13	16
30 to 34 years .....	883	61.9	883	825	58	6.6	544	504	9	11	20
35 to 44 years .....	751	59.3	751	716	34	4.6	515	454	5	34	23
55 to 64 years .....	403	44.5	403	387	16	4.0	503	452	-	59	12
55 to 59 years .....	249	48.9	249	238	11	4.5	260	234	-	20	6
60 to 64 years .....	154	38.8	154	149	5	3.2	243	218	-	20	6
65 years and over .....	85	9.7	85	81	3	3.9	790	632	-	104	54

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	
	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
<b>MALE</b>								
16 years and over .....	54,218	53,899	79.4	80.2	51,376	50,667	78.5	79.2
16 to 19 years .....	4,126	4,039	53.6	54.0	3,812	3,640	51.6	51.4
16 and 17 years .....	1,729	1,670	43.7	43.3	1,703	1,643	43.4	42.9
18 and 19 years .....	2,397	2,368	64.0	65.2	2,109	1,997	61.0	61.3
20 to 24 years .....	7,434	7,166	84.1	84.9	5,957	5,428	80.9	81.0
25 to 54 years .....	33,358	33,277	95.6	96.1	32,311	32,185	95.5	96.0
25 to 34 years .....	12,120	11,910	95.8	96.6	11,492	11,240	95.6	96.4
35 to 44 years .....	10,688	10,884	96.6	97.3	10,330	10,532	96.5	97.3
45 to 54 years .....	10,550	10,483	94.4	94.4	10,489	10,413	94.3	94.4
55 to 64 years .....	7,173	7,175	82.7	83.7	7,170	7,171	82.7	83.7
55 to 59 years .....	4,244	4,234	89.3	89.9	4,241	4,231	89.3	89.9
60 to 64 years .....	2,929	2,941	74.7	76.1	2,929	2,940	74.7	76.1
65 years and over .....	2,127	2,242	26.0	27.8	2,127	2,242	26.0	27.8
<b>White</b>								
16 years and over .....	48,760	48,484	79.9	80.6	46,237	45,576	79.0	79.6
16 to 19 years .....	3,700	3,582	55.5	55.2	3,419	3,216	53.5	52.5
16 and 17 years .....	1,573	1,523	46.1	45.6	1,550	1,497	45.7	45.2
18 and 19 years .....	2,126	2,059	65.4	65.3	1,869	1,719	62.4	61.1
20 to 24 years .....	6,515	6,308	84.0	84.9	5,192	4,730	80.7	80.9
25 to 54 years .....	30,034	29,965	96.2	96.6	29,117	29,003	96.1	96.5
25 to 34 years .....	10,799	10,620	96.2	96.9	10,250	10,033	96.0	96.7
35 to 44 years .....	9,613	9,785	97.1	97.7	9,302	9,476	97.1	97.7
45 to 54 years .....	9,622	9,561	95.1	95.1	9,565	9,494	95.1	95.1
55 to 64 years .....	6,568	6,575	83.1	84.2	6,564	6,571	83.1	84.2
55 to 59 years .....	3,876	3,869	89.7	90.4	3,873	3,866	89.7	90.4
60 to 64 years .....	2,692	2,706	75.2	76.7	2,692	2,706	75.2	76.7
65 years and over .....	1,944	2,055	26.0	27.8	1,944	2,055	26.0	27.8
<b>Negro and other races</b>								
16 years and over .....	5,458	5,414	75.3	76.8	5,140	5,092	74.2	75.6
16 to 19 years .....	427	457	41.4	46.0	393	423	39.5	44.1
16 and 17 years .....	155	147	28.9	28.5	153	146	28.5	28.3
18 and 19 years .....	271	309	55.2	64.8	240	278	52.1	62.4
20 to 24 years .....	919	858	84.8	84.7	765	699	82.3	81.8
25 to 54 years .....	3,323	3,312	90.7	92.1	3,194	3,182	90.4	91.8
25 to 34 years .....	1,321	1,290	92.8	94.0	1,242	1,208	92.4	93.6
35 to 44 years .....	1,075	1,099	91.7	93.9	1,028	1,056	91.4	93.7
45 to 54 years .....	928	923	86.8	87.5	923	918	86.7	87.4
55 to 64 years .....	606	600	78.1	78.2	605	600	78.1	78.2
55 to 59 years .....	369	365	84.9	84.8	368	365	84.9	84.8
60 to 64 years .....	237	235	69.5	69.8	237	234	69.5	69.8
65 years and over .....	183	188	26.4	27.5	183	188	26.4	27.5

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	
	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
<b>FEMALE</b>								
16 years and over .....	31,562	31,332	42.8	43.2	31,521	31,293	42.7	43.2
16 to 19 years .....	2,959	2,921	39.2	39.8	2,949	2,912	39.1	39.8
16 and 17 years .....	1,156	1,159	29.9	30.7	1,156	1,159	29.9	30.7
18 and 19 years .....	1,802	1,762	49.0	49.5	1,793	1,753	48.9	49.3
20 to 24 years .....	4,927	4,768	56.1	56.8	4,907	4,750	56.0	56.7
25 to 54 years .....	18,373	18,378	50.2	50.6	18,361	18,366	50.2	50.6
25 to 34 years .....	5,842	5,809	45.2	46.1	5,835	5,803	45.2	46.0
35 to 44 years .....	5,978	6,056	51.6	51.7	5,975	6,053	51.6	51.7
45 to 54 years .....	6,553	6,512	54.2	54.3	6,551	6,510	54.2	54.3
55 to 64 years .....	4,246	4,190	43.4	43.6	4,246	4,190	43.4	43.6
55 to 59 years .....	2,544	2,577	48.4	49.7	2,544	2,577	48.4	49.7
60 to 64 years .....	1,702	1,614	37.6	36.4	1,702	1,614	37.6	36.4
65 years and over .....	1,057	1,075	9.5	9.9	1,057	1,075	9.5	9.9
<b>White</b>								
16 years and over .....	27,553	27,333	42.1	42.4	27,517	27,299	42.0	42.4
16 to 19 years .....	2,673	2,635	41.2	41.7	2,665	2,627	41.1	41.7
16 and 17 years .....	1,060	1,056	32.0	32.6	1,060	1,056	32.0	32.6
18 and 19 years .....	1,613	1,578	50.9	51.4	1,605	1,570	50.8	51.3
20 to 24 years .....	4,284	4,159	56.2	56.8	4,267	4,143	56.1	56.7
25 to 54 years .....	15,781	15,811	48.9	49.3	15,770	15,800	48.9	49.3
25 to 34 years .....	4,883	4,867	43.2	44.0	4,877	4,862	43.1	44.0
35 to 44 years .....	5,095	5,182	50.2	50.4	5,092	5,179	50.2	50.4
45 to 54 years .....	5,802	5,761	53.6	53.6	5,800	5,759	53.6	53.6
55 to 64 years .....	3,843	3,770	43.3	43.2	3,843	3,770	43.3	43.2
55 to 59 years .....	2,295	2,290	48.3	48.9	2,295	2,290	48.3	48.9
60 to 64 years .....	1,548	1,479	37.5	36.6	1,548	1,479	37.5	36.6
65 years and over .....	972	959	9.5	9.6	972	959	9.5	9.6
<b>Negro and other races</b>								
16 years and over .....	4,009	3,999	48.3	49.6	4,004	3,995	48.3	49.6
16 to 19 years .....	286	286	27.0	28.0	285	285	26.9	27.9
16 and 17 years .....	97	103	17.6	19.4	97	103	17.6	19.4
18 and 19 years .....	189	184	37.1	37.2	188	183	37.0	37.1
20 to 24 years .....	642	609	55.9	56.6	640	607	55.8	56.5
25 to 54 years .....	2,592	2,568	60.2	60.8	2,591	2,567	60.1	60.8
25 to 34 years .....	959	942	59.3	60.4	958	942	59.3	60.4
35 to 44 years .....	883	874	61.9	61.4	883	874	61.9	61.4
45 to 54 years .....	751	751	59.3	60.6	751	751	59.3	60.6
55 to 64 years .....	403	421	44.5	47.6	403	421	44.5	47.6
55 to 59 years .....	249	286	48.9	57.4	249	286	48.9	57.4
60 to 64 years .....	154	134	38.8	34.9	154	134	38.8	34.9
65 years and over .....	85	116	9.7	13.6	85	116	9.7	13.6

**A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex**  
 April 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	22,283	11,240	11,043	19,243	9,747	9,496	3,040	1,494	1,546
Total labor force	11,761	6,880	4,881	10,425	6,087	4,338	1,336	793	542
Percent of population	52.8	61.2	44.2	54.2	62.4	45.7	43.9	53.1	35.1
Civilian labor force	10,652	5,791	4,861	9,440	5,119	4,321	1,212	672	540
Employed	9,200	5,004	4,197	8,302	4,488	3,815	898	516	382
Agriculture	560	500	60	524	470	54	36	30	6
Nonagricultural industries	8,640	4,503	4,137	7,778	4,017	3,761	862	486	376
Unemployed	1,452	787	664	1,138	631	506	314	156	158
Percent of labor force	13.6	13.6	13.7	12.1	12.3	11.7	25.9	23.2	29.2
Looking for full-time work	856	457	399	643	352	291	213	105	107
Looking for part-time work	596	330	266	495	280	215	101	50	50
Not in labor force	10,522	4,360	6,162	8,818	3,660	5,158	1,704	700	1,004
Major activity: going to school									
Civilian labor force	3,220	1,870	1,350	2,955	1,714	1,241	265	155	109
Employed	2,623	1,510	1,113	2,456	1,408	1,047	168	102	66
Agriculture	218	196	21	210	189	21	7	7	--
Nonagricultural industries	2,406	1,314	1,092	2,245	1,219	1,026	160	95	66
Unemployed	597	359	237	499	306	193	97	53	44
Percent of labor force	18.5	19.2	17.6	16.9	17.8	15.6	36.7	34.3	40.1
Looking for full-time work	106	63	42	89	57	32	17	7	10
Looking for part-time work	491	296	195	410	249	161	80	46	34
Not in labor force	7,997	3,856	4,140	6,740	3,256	3,484	1,256	600	656
Major activity: other									
Civilian labor force	7,432	3,921	3,511	6,485	3,405	3,081	947	517	430
Employed	6,577	3,493	3,084	5,847	3,079	2,767	730	414	316
Agriculture	343	304	39	314	281	32	29	22	7
Nonagricultural industries	6,235	3,190	3,045	5,533	2,798	2,735	702	392	310
Unemployed	855	428	427	639	325	313	216	103	114
Percent of labor force	11.5	10.9	12.2	9.8	9.6	10.2	22.9	19.9	26.4
Looking for full-time work	750	394	356	554	295	259	196	99	97
Looking for part-time work	105	34	71	85	30	54	20	4	16
Not in labor force	2,525	504	2,022	2,078	404	1,674	448	100	347

**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	
	April 1971	April 1970	April 1971	April 1970	April 1971	April 1970	April 1971	April 1970
<b>Total</b>								
Total noninstitutional population	142,088	139,687	60,580	59,698	66,265	65,170	15,244	14,819
Total labor force	85,780	85,231	50,092	49,860	28,603	28,411	7,085	6,959
Percent of population	60.4	61.0	82.7	83.5	43.2	43.6	46.5	47.0
Civilian labor force	82,898	81,960	47,565	47,027	28,572	28,381	6,761	6,552
Employed	78,204	78,408	45,494	45,529	26,978	27,210	5,731	5,669
Agriculture	3,505	3,531	2,518	2,636	535	521	452	374
Nonagricultural industries	74,699	74,877	42,976	42,893	26,444	26,689	5,279	5,295
Unemployed	4,694	3,552	2,070	1,498	1,593	1,171	1,030	883
Percent of labor force	5.7	4.3	4.4	3.2	5.6	4.1	15.2	13.5
Not in labor force	56,308	54,456	10,488	9,837	37,662	36,759	8,159	7,860
<b>White</b>								
Total noninstitutional population	126,541	124,578	54,363	53,638	59,024	58,137	13,154	12,803
Total labor force	76,313	75,817	45,061	44,903	24,880	24,699	6,372	6,216
Percent of population	60.3	60.9	82.9	83.7	42.2	42.5	48.4	48.6
Civilian labor force	73,753	72,875	42,818	42,360	24,852	24,672	6,083	5,843
Employed	69,909	70,013	41,061	41,108	23,601	23,765	5,247	5,140
Agriculture	3,190	3,200	2,268	2,377	497	483	425	340
Nonagricultural industries	66,719	66,812	38,793	38,730	23,105	23,282	4,821	4,799
Unemployed	3,844	2,862	1,757	1,252	1,251	907	837	703
Percent of labor force	5.2	3.9	4.1	3.0	5.0	3.7	13.8	12.0
Not in labor force	50,228	48,760	9,302	8,735	34,144	33,439	6,781	6,587
<b>Negro and other races</b>								
Total noninstitutional population	15,547	15,109	6,216	6,060	7,240	7,033	2,090	2,016
Total labor force	9,467	9,414	5,031	4,958	3,723	3,713	713	743
Percent of population	60.9	62.3	80.9	81.8	51.4	52.8	34.1	36.9
Civilian labor force	9,144	9,085	4,747	4,667	3,719	3,710	678	708
Employed	8,295	8,395	4,433	4,421	3,377	3,445	484	529
Agriculture	314	331	250	259	38	38	27	34
Nonagricultural industries	7,980	8,065	4,184	4,162	3,339	3,408	458	495
Unemployed	849	690	314	246	342	265	194	179
Percent of labor force	9.3	7.6	6.6	5.3	9.2	7.1	28.6	25.3
Not in labor force	6,080	5,695	1,485	1,102	3,518	3,320	1,377	1,273

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

April 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 .....	70,211	64,063	2,449	3,699	5.3	12,687	11,692	995	7.8
16 to 21 years .....	5,903	4,641	407	856	14.5	4,749	4,153	596	12.5
16 to 19 years .....	2,883	2,132	247	504	17.5	3,878	3,352	526	13.6
16 and 17 years .....	510	298	68	144	28.1	2,349	2,004	345	14.7
18 and 19 years .....	2,373	1,834	179	361	15.2	1,529	1,348	180	11.8
20 years and over .....	67,327	61,931	2,202	3,194	4.7	8,809	8,340	459	5.3
20 to 24 years .....	9,196	7,962	340	894	9.7	1,669	1,542	126	7.6
25 years and over .....	58,131	53,969	1,862	2,300	4.0	7,140	6,798	343	4.8
25 to 54 years .....	46,113	42,809	1,415	1,889	4.1	4,559	4,346	214	4.7
55 years and over .....	12,019	11,160	448	411	3.4	2,581	2,452	129	5.0
<b>MALE</b>									
16 years and over .....	46,715	43,234	1,293	2,188	4.7	4,661	4,208	454	9.7
16 to 21 years .....	3,235	2,561	218	457	14.1	2,556	2,225	330	12.9
16 to 19 years .....	1,664	1,264	134	266	16.0	2,148	1,843	305	14.2
20 years and over .....	45,051	41,971	1,159	1,922	4.3	2,514	2,365	149	5.9
20 to 24 years .....	5,162	4,458	183	521	10.1	795	742	53	6.6
25 years and over .....	39,889	37,513	976	1,401	3.5	1,719	1,623	96	5.6
25 to 54 years .....	31,731	29,901	725	1,103	3.5	580	547	34	5.9
55 years and over .....	8,159	7,611	251	297	3.6	1,138	1,076	62	5.4
<b>FEMALE</b>									
16 years and over .....	23,496	20,829	1,156	1,510	6.4	8,025	7,484	541	6.7
16 to 21 years .....	2,668	2,080	189	399	14.9	2,193	1,928	266	12.1
16 to 19 years .....	1,219	869	113	238	19.5	1,730	1,509	221	12.8
20 years and over .....	22,276	19,960	1,043	1,273	5.7	6,296	5,975	321	5.1
20 to 24 years .....	4,034	3,504	157	373	9.2	874	800	74	8.4
25 years and over .....	18,242	16,456	886	900	4.9	5,422	5,175	247	4.6
25 to 54 years .....	14,382	12,908	690	784	5.5	3,979	3,799	180	4.5
55 years and over .....	3,861	3,549	196	115	3.0	1,443	1,376	67	4.6

<sup>1</sup> Employed persons with a job but not at work are distributed proportionately among full-time 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	
	April 1971	April 1970	April 1971	April 1970	April 1971	April 1970	April 1971	April 1970
<b>Total, 16 years and over</b> .....	2,642	1,981	5.1	3.9	2,052	1,571	6.5	5.0
16 to 19 years .....	572	483	15.0	13.3	459	400	15.5	13.7
16 and 17 years .....	296	255	17.4	15.5	193	194	16.6	16.7
18 and 19 years .....	275	228	13.0	11.4	266	206	14.8	11.8
20 years and over .....	2,070	1,498	4.4	3.2	1,593	1,171	5.6	4.1
20 to 24 years .....	574	389	9.6	7.2	447	316	9.1	6.7
25 years and over .....	1,497	1,109	3.6	2.7	1,147	856	4.8	3.6
25 to 34 years .....	469	354	4.1	3.1	395	288	6.8	5.0
35 to 44 years .....	323	238	3.1	2.3	302	224	5.0	3.7
45 to 54 years .....	346	244	3.3	2.3	267	201	4.1	3.1
55 to 64 years .....	280	209	3.9	2.9	142	108	3.3	2.6
55 to 59 years .....	156	133	3.7	3.2	95	65	3.7	2.5
60 to 64 years .....	124	76	4.2	2.6	47	43	2.8	2.7
65 years and over .....	79	63	3.7	2.8	40	34	3.8	3.2
<b>Household head, 16 years and over</b> .....	1,467	1,078	3.5	2.6	361	259	5.3	3.9
16 to 24 years .....	229	150	6.6	4.7	62	54	8.9	8.2
25 to 54 years .....	911	670	3.0	2.2	222	133	5.8	3.7
55 years and over .....	328	257	3.7	2.8	77	72	3.4	3.1

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	
	April 1971	April 1970	April 1971	April 1970	April 1971	April 1970	April 1971	April 1970
<b>Total, 16 years and over</b> .....	2,642	1,981	5.1	3.9	2,052	1,571	6.5	5.0
Married, spouse present .....	1,259	941	3.2	2.4	1,030	791	5.5	4.3
Widowed, divorced, or separated .....	235	152	8.2	5.6	339	254	5.8	4.4
Single (never married) .....	1,148	888	12.1	10.0	683	527	9.6	7.6
<b>Total, 20 to 64 years of age</b> .....	1,991	1,435	4.4	3.2	1,553	1,137	5.6	4.2
Married, spouse present .....	1,169	886	3.2	2.4	954	725	5.3	4.0
Widowed, divorced, or separated .....	215	137	8.3	5.7	304	216	5.9	4.3
Single (never married) .....	607	413	10.4	7.6	295	197	6.7	4.6
<b>White, 16 years and over</b> .....	2,225	1,639	4.8	3.6	1,619	1,223	5.9	4.5
Married, spouse present .....	1,117	816	3.1	2.3	885	633	5.3	3.8
Widowed, divorced, or separated .....	181	115	7.8	5.3	239	189	5.1	4.1
Single (never married) .....	928	708	11.2	9.1	494	400	8.0	6.5
<b>White, 20 to 64 years of age</b> .....	1,684	1,192	4.1	3.0	1,214	879	5.1	3.7
Married, spouse present .....	1,031	762	3.0	2.3	818	580	5.1	3.6
Widowed, divorced, or separated .....	167	102	8.0	5.4	207	158	5.0	3.9
Single (never married) .....	487	328	9.8	7.0	189	139	5.1	3.7
<b>Negro and other races, 16 years and over</b> .....	417	341	8.1	6.7	433	349	10.8	8.7
Married, spouse present .....	142	124	4.2	3.7	144	158	7.2	7.7
Widowed, divorced, or separated .....	54	37	9.8	6.7	100	65	9.1	5.7
Single (never married) .....	221	180	18.0	15.3	188	127	20.6	15.6
<b>Negro and other races, 20 to 64 years of age</b> .....	308	243	6.7	5.4	339	260	9.3	7.2
Married, spouse present .....	138	123	4.3	3.8	136	144	7.0	7.3
Widowed, divorced, or separated .....	48	35	9.5	6.9	97	58	9.4	5.6
Single (never married) .....	121	85	14.2	11.2	106	57	16.1	9.9

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

Occupation	Thousands of persons		Unemployment rates					
	April 1971	April 1970	Total		Male		Female	
			April 1971	April 1970	April 1971	April 1970	April 1971	April 1970
Total.....	4,694	3,552	5.7	4.3	5.1	3.9	6.5	5.0
White-collar workers.....	1,295	967	3.3	2.5	2.5	1.8	4.1	3.2
Professional and technical.....	284	182	2.5	1.6	2.6	1.5	2.3	1.6
Managers, officials, and proprietors.....	133	93	1.5	1.1	1.3	1.1	2.4	1.4
Clerical workers.....	639	499	4.6	3.5	4.1	3.3	4.8	3.5
Sales workers.....	239	193	4.5	3.9	3.4	2.4	6.0	5.9
Blue-collar workers.....	2,176	1,672	7.6	5.7	6.7	5.2	12.0	8.4
Craftsmen and foremen.....	519	397	5.0	3.8	4.9	3.8	6.3	2.6
Carpenters and other construction craftsmen.....	235	215	7.5	7.3	7.4	7.4	(1)	(1)
All other.....	284	182	3.9	2.4	3.8	2.4	5.8	2.9
Operatives.....	1,220	940	8.8	6.4	7.0	5.3	12.7	8.6
Drivers and deliverymen.....	149	114	5.5	4.4	5.7	4.3	1.5	6.2
All other.....	1,071	826	9.6	6.8	7.5	5.7	13.0	8.7
Nonfarm laborers.....	436	335	10.1	8.5	10.2	8.4	8.8	12.0
Construction laborers.....	170	106	18.0	12.0	18.1	12.0	(1)	(1)
All other.....	266	229	7.9	7.5	7.8	7.3	9.1	12.5
Service workers.....	667	471	5.9	4.6	5.7	4.4	6.1	4.7
Private household.....	86	67	5.6	4.1	--	(1)	5.8	4.1
All other.....	581	404	6.0	4.7	5.7	4.5	6.2	4.9
Farmers and farm laborers.....	58	67	1.8	2.1	1.5	1.6	3.4	4.6
No previous work experience.....	499	376	--	--	--	--	--	--
16 to 19 years.....	403	294	--	--	--	--	--	--
20 to 24 years.....	64	47	--	--	--	--	--	--
25 years and over.....	32	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					
	Apr. 1971	Apr. 1970	Total		Male		Female	
			Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
Total.....	100.0	100.0	5.7	4.3	5.1	3.9	6.5	5.0
Private wage and salary workers.....	79.6	79.1	6.2	4.7	5.7	4.3	7.1	5.3
Mining.....	.3	.7	2.2	4.6	1.7	4.3	7.2	(1)
Construction.....	9.1	10.3	11.0	9.5	11.2	9.5	6.5	8.5
Manufacturing.....	30.4	28.6	7.0	4.8	5.5	3.8	10.9	7.2
Durable goods.....	18.5	16.9	7.3	4.8	6.2	4.1	11.4	7.4
Primary metal industries.....	1.2	.7	4.5	1.9	3.9	1.9	11.3	1.7
Fabricated metal products.....	2.1	2.3	7.0	4.8	5.0	3.5	15.1	10.4
Machinery.....	3.5	2.0	7.8	2.9	7.4	2.9	10.5	2.7
Electrical equipment.....	3.0	3.0	6.9	4.9	5.1	3.3	9.8	7.4
Motor vehicles and equipment.....	1.5	1.8	6.5	5.7	6.4	5.1	7.8	10.4
All other transportation equipment.....	2.5	2.8	10.7	8.1	9.4	6.9	18.4	15.7
Other durable goods industries.....	4.7	4.5	7.6	5.9	6.5	5.3	11.0	7.2
Nondurable goods.....	11.9	11.7	6.6	4.8	4.1	3.3	10.5	7.2
Food and kindred products.....	2.8	3.1	7.8	6.4	4.9	5.2	16.7	10.0
Textile mill products.....	1.0	1.4	4.6	4.8	2.4	2.9	6.9	6.6
Apparel and other finished textile products.....	3.5	2.7	11.5	7.0	11.9	6.0	11.3	7.3
Other nondurable goods industries.....	4.7	4.5	5.0	3.5	3.3	2.4	9.3	6.3
Transportation and public utilities.....	3.9	4.6	3.9	3.6	4.0	3.8	3.7	3.0
Railroads and railway express.....	.3	.4	1.8	2.1	1.8	2.0	2.7	(1)
Other transportation.....	2.5	3.2	6.1	5.7	6.4	6.0	4.1	4.4
Communication and other public utilities.....	1.0	1.1	2.5	2.0	1.9	1.8	3.6	2.3
Wholesale and retail trade.....	19.7	19.6	6.4	5.2	5.3	4.3	7.9	6.4
Finance, insurance, and real estate.....	2.0	2.1	2.6	2.0	2.2	1.4	3.0	2.5
Service industries.....	14.3	13.3	5.3	3.8	5.7	3.6	5.1	3.9
Professional services.....	4.5	4.8	3.3	2.7	3.1	2.4	3.4	2.9
All other service industries.....	9.7	8.5	7.5	4.9	7.7	4.6	7.3	5.2
Agricultural wage and salary workers.....	1.8	2.1	6.2	6.1	5.4	4.8	10.7	13.3
All other classes of workers.....	8.0	8.1	1.8	1.4	1.6	1.3	2.0	1.6
No previous work experience.....	10.6	10.6	--	--	--	--	--	--

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



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

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Negro and other races	
	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
<b>Unemployment level</b>												
Total unemployed, in thousands . . . . .	4,694	3,552	2,070	1,498	1,593	1,171	1,030	883	3,844	2,861	849	691
Lost last job . . . . .	2,413	1,669	1,462	988	745	497	207	184	2,026	1,375	387	294
Left last job . . . . .	557	507	223	214	231	188	103	104	448	411	109	95
Reentered labor force . . . . .	1,232	1,001	331	261	576	439	325	301	986	789	246	212
Never worked before . . . . .	491	375	54	34	42	47	395	293	383	285	108	89
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 . . . . .	51.5	47.0	70.6	66.0	46.7	42.4	20.1	20.9	52.7	48.1	45.5	42.6
Left last job . . . . .	11.9	14.3	10.8	14.3	14.5	16.1	10.0	11.8	11.7	14.4	12.8	13.8
Reentered labor force . . . . .	26.3	28.2	16.0	17.4	36.2	37.4	31.5	34.1	25.7	27.6	29.0	30.7
Never worked before . . . . .	10.5	10.5	2.6	2.3	2.6	4.0	38.4	33.2	10.0	10.0	12.7	12.9
<b>Unemployment rate</b>												
Total unemployment rate . . . . .	5.7	4.3	4.4	3.2	5.6	4.1	15.2	13.5	5.2	3.9	9.3	7.6
Job-loser rate <sup>1</sup> . . . . .	2.9	2.1	3.1	2.1	2.6	1.8	3.1	2.8	2.8	1.9	4.2	3.2
Job-leaver rate <sup>1</sup> . . . . .	.7	.6	.5	.5	.8	.7	1.5	1.6	.6	.6	1.2	1.1
Reentrant rate <sup>1</sup> . . . . .	1.5	1.2	.7	.6	2.0	1.5	4.8	4.6	1.3	1.1	2.7	2.3
New entrant rate <sup>1</sup> . . . . .	.6	.5	.1	.1	.1	.2	5.8	4.5	.5	.4	1.2	1.0

<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  
April 1971

(Percent distribution)

Reason, sex, and age	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over . . . . .	4,694	100.0	40.1	28.7	31.2	20.2	11.0
Lost last job . . . . .	2,413	100.0	32.1	29.0	38.9	26.3	12.6
Left last job . . . . .	557	100.0	40.6	36.8	22.6	15.4	7.2
Reentered labor force . . . . .	1,232	100.0	52.7	24.0	23.3	14.1	9.2
Never worked before . . . . .	491	100.0	47.3	29.4	23.3	11.0	12.2
Male, 20 years and over . . . . .	2,070	100.0	33.0	27.7	39.3	25.6	13.7
Lost last job . . . . .	1,462	100.0	30.0	27.7	42.3	28.9	13.4
Left last job . . . . .	223	100.0	40.2	33.9	25.9	16.5	9.4
Reentered labor force . . . . .	331	100.0	41.7	24.2	34.1	17.8	16.3
Never worked before . . . . .	54	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over . . . . .	1,593	100.0	43.2	29.0	27.8	18.3	9.5
Lost last job . . . . .	745	100.0	34.5	30.0	35.5	23.5	12.1
Left last job . . . . .	231	100.0	37.2	39.8	22.9	15.2	7.8
Reentered labor force . . . . .	576	100.0	55.6	24.8	19.6	12.3	7.3
Never worked before . . . . .	42	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years . . . . .	1,030	100.0	49.6	30.1	20.3	12.3	8.0
Lost last job . . . . .	207	100.0	38.0	35.1	26.9	17.8	9.1
Left last job . . . . .	103	100.0	48.5	36.9	14.6	13.6	1.0
Reentered labor force . . . . .	325	100.0	58.6	22.7	18.7	13.5	5.2
Never worked before . . . . .	395	100.0	48.0	32.6	19.4	8.1	11.4

<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	
	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
Total	4,694	3,552	100.0	100.0	1,828	1,337	100.0	100.0
Less than 5 weeks	1,882	1,836	40.1	51.7	641	590	35.1	44.1
5 to 14 weeks	1,346	944	28.7	26.6	499	370	27.3	27.7
5 to 10 weeks	951	659	20.3	18.6	341	236	18.7	17.7
11 to 14 weeks	395	285	8.4	8.0	158	134	8.6	10.0
15 weeks and over	1,466	772	31.2	21.7	688	377	37.6	28.2
15 to 26 weeks	948	537	20.2	15.1	453	261	24.8	19.5
27 weeks and over	518	235	11.0	6.6	235	116	12.9	8.7
Average (mean) duration	12.6	9.5	--	--	14.2	11.4	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status  
April 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		Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
16 to 21 years	1,452	688	453	201	111	10.3	47.4	59.7	21.4	15.9
16 to 19 years	1,030	510	311	127	82	10.2	49.5	59.6	20.3	15.7
20 to 24 years	1,020	401	328	203	88	11.1	39.3	57.9	28.5	16.1
25 to 44 years	1,488	571	403	339	176	13.1	38.4	49.5	34.5	22.6
45 years and over	1,155	399	304	279	173	15.6	34.6	41.4	39.1	31.5
Male	2,642	944	756	603	339	13.9	35.7	48.2	35.7	25.3
16 to 21 years	787	348	260	109	70	11.3	44.2	58.4	22.7	18.2
16 to 19 years	572	260	183	73	55	11.4	45.6	58.6	22.5	17.9
20 to 24 years	574	211	182	115	65	12.2	36.8	57.7	31.5	15.6
25 to 44 years	792	264	194	224	110	14.6	33.3	43.4	42.2	25.7
45 years and over	705	208	198	191	109	16.6	29.4	36.9	42.6	39.0
Female	2,052	938	590	345	179	11.0	45.7	56.0	25.5	17.3
16 to 21 years	664	339	193	92	40	9.2	51.1	61.2	19.9	13.2
16 to 19 years	459	250	128	54	27	8.6	54.5	60.8	17.5	13.1
20 to 24 years	447	190	146	87	23	9.7	42.6	58.2	24.6	16.7
25 to 44 years	697	306	210	116	66	11.4	43.9	56.3	26.0	18.8
45 years and over	449	192	106	88	64	14.0	42.6	48.1	33.8	20.4
White: Total	3,844	1,560	1,102	758	424	12.6	40.6	51.5	30.8	21.3
Male	2,225	803	645	500	277	13.7	36.1	47.6	34.9	25.9
Female	1,619	757	457	258	147	11.0	46.8	56.7	25.0	15.3
Negro and other races: Total	849	322	245	189	94	13.0	37.9	52.5	33.3	23.3
Male	417	141	111	103	62	15.2	33.7	51.3	39.6	22.4
Female	433	181	133	87	31	11.0	41.9	53.7	27.3	24.2
Male: Married, wife present	1,259	408	345	337	169	14.6	32.4	44.4	40.2	27.9
Widowed, divorced, or separated	235	91	50	59	35	2.1	38.5	37.6	40.1	32.3
Single (never married)	1,148	446	361	207	135	12.9	38.8	54.2	29.8	21.3
Female: Married, husband present	1,030	479	298	164	88	10.8	46.6	59.2	24.5	14.5
Widowed, divorced, or separated	339	129	94	75	41	2.2	38.0	49.0	34.3	21.3
Single (never married)	683	330	198	106	49	9.9	48.3	54.7	22.7	19.4

**A-16: Unemployed persons by duration, occupation, and industry of last job**  
April 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					
<b>OCCUPATION</b>										
White-collar workers . . . . .	1,295	497	419	245	134	12.7	38.4	50.0	29.2	17.7
Professional and managerial . . . . .	417	144	125	80	68	15.9	34.5	42.9	35.5	21.5
Clerical workers . . . . .	639	257	216	116	50	11.3	40.2	50.0	26.0	15.5
Sales workers . . . . .	239	96	78	48	16	10.8	40.3	59.9	26.9	18.1
Blue-collar workers . . . . .	2,176	790	603	514	268	13.5	36.3	49.2	36.0	25.7
Craftsmen and foremen . . . . .	519	182	143	136	57	14.4	35.1	44.7	37.3	31.4
Operatives . . . . .	1,220	448	348	265	159	13.1	36.8	50.3	34.7	22.8
Nonfarm laborers . . . . .	436	159	112	113	53	13.7	36.5	51.2	37.9	27.3
Service workers . . . . .	667	327	163	122	55	10.7	49.1	56.6	26.5	18.1
<b>INDUSTRY<sup>1</sup></b>										
Agriculture . . . . .	83	40	24	18	2	8.6	(2)	(2)	(2)	(2)
Construction . . . . .	446	156	105	150	35	12.8	35.0	42.2	41.4	33.1
Manufacturing . . . . .	1,435	500	432	314	188	14.0	34.9	46.3	35.0	24.2
Durable goods . . . . .	871	266	260	209	137	15.0	30.5	43.9	39.7	24.1
Nondurable goods . . . . .	564	235	173	106	51	12.5	41.7	49.9	27.7	24.4
Transportation and public utilities . . . . .	191	67	63	41	19	12.5	34.9	55.6	31.9	15.6
Wholesale and retail trade . . . . .	928	371	274	191	92	12.2	39.9	57.2	30.5	16.8
Finance and service industries . . . . .	913	423	244	148	99	11.8	46.3	53.6	26.9	19.7
Public administration . . . . .	105	40	41	13	11	12.5	38.5	(2)	22.1	(2)
No previous work experience . . . . .	491	240	144	54	60	11.6	48.1	62.0	23.0	16.7

<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	
	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
	<b>All industries</b> . . . . .	78,204	78,408	48,734	48,686	29,469
16 to 19 years . . . . .	5,731	5,669	3,240	3,157	2,491	2,512
16 and 17 years . . . . .	2,370	2,353	1,406	1,388	964	965
18 and 19 years . . . . .	3,361	3,316	1,834	1,769	1,527	1,547
20 to 24 years . . . . .	9,844	9,473	5,383	5,039	4,461	4,434
25 to 54 years . . . . .	48,569	49,002	31,173	31,349	17,397	17,653
25 to 34 years . . . . .	16,463	16,401	11,024	10,886	5,440	5,515
35 to 44 years . . . . .	15,680	16,123	10,007	10,294	5,673	5,829
45 to 54 years . . . . .	16,426	16,478	10,142	10,169	6,284	6,309
55 to 64 years . . . . .	10,994	11,044	6,890	6,962	4,104	4,082
55 to 59 years . . . . .	6,534	6,609	4,085	4,097	2,449	2,512
60 to 64 years . . . . .	4,460	4,434	2,805	2,864	1,655	1,570
65 years and over . . . . .	3,065	3,220	2,048	2,179	1,017	1,041
<b>Nonagricultural industries</b> . . . . .	74,699	74,877	45,814	45,708	28,885	29,169
16 to 19 years . . . . .	5,279	5,295	2,838	2,815	2,441	2,480
16 and 17 years . . . . .	2,117	2,131	1,179	1,185	937	947
18 and 19 years . . . . .	3,162	3,163	1,658	1,630	1,504	1,533
20 to 24 years . . . . .	9,560	9,241	5,141	4,831	4,419	4,410
25 to 54 years . . . . .	46,866	47,292	29,809	29,990	17,057	17,302
25 to 34 years . . . . .	16,002	15,932	10,656	10,500	5,346	5,432
35 to 44 years . . . . .	15,117	15,593	9,559	9,885	5,558	5,707
45 to 54 years . . . . .	15,747	15,767	9,594	9,605	6,153	6,163
55 to 64 years . . . . .	10,355	10,330	6,355	6,359	4,001	3,971
55 to 59 years . . . . .	6,195	6,215	3,808	3,781	2,387	2,434
60 to 64 years . . . . .	4,160	4,114	2,547	2,578	1,614	1,537
65 years and over . . . . .	2,638	2,719	1,671	1,713	967	1,007
<b>Agriculture</b> . . . . .	3,505	3,531	2,920	2,978	585	553
16 to 19 years . . . . .	452	374	402	342	50	32
16 and 17 years . . . . .	253	221	227	203	27	18
18 and 19 years . . . . .	198	153	175	139	23	14
20 to 24 years . . . . .	284	232	242	208	41	24
25 to 54 years . . . . .	1,704	1,709	1,364	1,359	340	350
25 to 34 years . . . . .	462	469	368	386	94	83
35 to 44 years . . . . .	563	530	448	409	115	121
45 to 54 years . . . . .	679	710	548	564	131	146
55 to 64 years . . . . .	639	714	535	603	104	112
55 to 59 years . . . . .	339	394	277	316	62	78
60 to 64 years . . . . .	300	320	258	286	42	34
65 years and over . . . . .	427	501	377	466	50	35

## HOUSEHOLD DATA

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## 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	
	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
<b>Total</b> .....	78,204	78,408	45,494	45,529	26,978	27,210	3,240	3,157	2,491	2,512
<b>White-collar workers</b> .....	37,988	38,068	19,406	19,375	16,690	16,658	571	632	1,320	1,402
Professional and technical .....	11,134	11,322	6,645	6,811	4,365	4,350	61	80	63	81
Medical and other health .....	1,803	1,716	662	638	1,122	1,050	2	8	16	20
Teachers, except college .....	2,855	2,636	844	826	1,989	1,800	5	5	17	5
Other professional and technical .....	6,477	6,970	5,138	5,346	1,254	1,500	53	66	31	57
Managers, officials, and proprietors .....	8,590	8,198	7,126	6,863	1,430	1,289	24	33	10	13
Salaried workers .....	6,428	6,038	5,374	5,080	1,023	918	21	28	10	11
Self-employed workers in retail trade .....	1,083	1,078	819	841	262	235	1	2	--	--
Self-employed workers, except retail trade .....	1,078	1,082	932	942	145	136	1	3	--	2
Clerical workers .....	13,236	13,834	2,961	3,216	9,090	9,329	254	281	931	1,008
Stenographers, typists, and secretaries .....	3,538	3,519	59	56	3,201	3,162	7	4	271	296
Other clerical workers .....	9,698	10,314	2,902	3,160	5,889	6,167	247	276	660	712
Sales workers .....	5,028	4,714	2,675	2,485	1,806	1,691	232	239	315	300
Retail trade .....	2,945	2,859	946	916	1,528	1,464	172	201	299	278
Other sales workers .....	2,084	1,856	1,729	1,569	278	226	60	38	16	22
<b>Blue-collar workers</b> .....	26,497	27,452	20,409	21,063	4,175	4,468	1,694	1,712	219	208
Craftsmen and foremen .....	9,899	10,027	9,266	9,523	357	283	260	214	16	7
Carpenters .....	877	821	832	804	6	4	37	13	2	--
Construction craftsmen, except carpenters .....	2,027	1,895	1,970	1,831	7	13	49	51	1	--
Mechanics and repairmen .....	2,298	2,790	2,190	2,683	25	17	79	90	4	--
Metal craftsmen, except mechanics .....	1,123	1,156	1,087	1,132	19	12	18	13	--	1
Other craftsmen and kindred workers .....	2,183	1,829	1,914	1,650	190	129	70	44	10	6
Foremen, not elsewhere classified .....	1,390	1,535	1,273	1,423	111	108	6	3	--	1
Operatives .....	12,707	13,811	8,233	8,801	3,618	4,085	678	738	177	187
Drivers and deliverymen .....	2,573	2,496	2,298	2,247	135	108	137	130	3	11
Other operatives .....	10,134	11,315	5,935	6,554	3,483	3,977	541	608	174	176
Durable goods manufacturing .....	4,465	4,749	3,133	3,236	1,142	1,286	137	162	51	65
Nonurable goods manufacturing .....	3,482	3,687	1,512	1,495	1,791	1,989	97	117	82	87
Other industries .....	2,187	2,880	1,290	1,824	550	701	307	330	42	24
Nonfarm laborers .....	3,891	3,614	2,909	2,738	200	101	757	761	25	14
Construction .....	772	779	669	668	5	2	97	108	1	2
Manufacturing .....	1,063	1,002	873	823	75	64	106	113	9	3
Other industries .....	2,056	1,833	1,367	1,248	120	35	553	540	16	10
<b>Service workers</b> .....	10,595	9,724	3,399	2,696	5,659	5,639	624	516	912	874
Private household workers .....	1,445	1,585	23	20	1,109	1,244	19	7	294	314
Service workers, except private household .....	9,150	8,139	3,376	2,677	4,550	4,394	606	509	619	560
Protective service workers .....	1,070	914	1,003	860	54	44	11	6	2	4
Waiters, cooks, and bartenders .....	2,195	2,231	440	409	1,310	1,395	133	141	311	285
Other service workers .....	5,885	4,994	1,932	1,407	3,186	2,955	461	362	306	271
<b>Farm workers</b> .....	3,123	3,164	2,280	2,395	454	445	350	297	39	27
Farmers and farm managers .....	1,693	1,809	1,595	1,718	82	74	17	17	--	--
Farm laborers and foremen .....	1,430	1,355	685	677	372	371	334	280	40	27
Paid workers .....	949	875	632	621	94	85	198	166	25	12
Unpaid family workers .....	481	473	53	56	278	286	135	115	14	16

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

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970	Apr. 1971	Apr. 1970
<b>Total</b>						
Total employed (thousands) .....	78,204	78,408	48,734	48,686	29,469	29,722
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	48.6	48.6	41.0	41.1	61.1	60.8
Professional and technical .....	14.2	14.4	13.8	14.2	15.0	14.9
Managers, officials, and proprietors .....	11.0	10.5	14.7	14.2	4.9	4.4
Clerical workers .....	16.9	17.6	6.6	7.2	34.0	34.8
Sales workers .....	6.4	6.0	6.0	5.6	7.2	6.7
<b>Blue-collar workers</b> .....	33.9	35.0	45.4	46.8	14.9	15.7
Craftsmen and foremen .....	12.7	12.8	19.5	20.0	1.3	1.0
Operatives .....	16.2	17.6	18.3	19.6	12.9	14.4
Nonfarm laborers .....	5.0	4.6	7.5	7.2	.8	.4
<b>Service workers</b> .....	13.5	12.4	8.3	6.6	22.3	21.9
Private household workers .....	1.8	2.0	.1	.1	4.8	5.2
Other service workers .....	11.7	10.4	8.2	6.5	17.5	16.7
<b>Farm workers</b> .....	4.0	4.0	5.4	5.5	1.7	1.6
Farmers and farm managers .....	2.2	2.3	3.3	3.6	.3	.2
Farm laborers and foremen .....	1.8	1.7	2.1	2.0	1.4	1.3
<b>White</b>						
Total employed (thousands) .....	69,909	70,013	44,011	43,937	25,898	26,076
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	50.9	51.0	43.0	43.2	64.3	64.3
Professional and technical .....	14.9	15.0	14.4	14.8	15.6	15.4
Managers, officials, and proprietors .....	11.8	11.3	15.7	15.2	5.3	4.8
Clerical workers .....	17.3	18.2	6.5	7.1	35.6	36.9
Sales workers .....	6.9	6.5	6.4	6.0	7.8	7.3
<b>Blue-collar workers</b> .....	33.2	34.2	44.1	45.4	14.6	15.3
Craftsmen and foremen .....	13.3	13.3	20.3	20.6	1.3	1.0
Operatives .....	15.6	16.9	17.4	18.7	12.6	14.0
Nonfarm laborers .....	4.3	3.9	6.4	6.1	.7	.3
<b>Service workers</b> .....	11.9	10.7	7.5	5.9	19.4	18.7
Private household workers .....	1.2	1.3	.1	(1)	3.1	3.5
Other service workers .....	10.7	9.4	7.4	5.9	16.3	15.2
<b>Farm workers</b> .....	4.1	4.1	5.5	5.5	1.7	1.7
Farmers and farm managers .....	2.3	2.5	3.5	3.8	.3	.3
Farm laborers and foremen .....	1.7	1.6	1.9	1.7	1.4	1.4
<b>Negro and other races</b>						
Total employed (thousands) .....	8,295	8,395	4,723	4,749	3,572	3,646
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	29.1	27.9	22.2	22.0	38.2	35.6
Professional and technical .....	9.1	9.5	7.6	7.9	11.1	11.5
Managers, officials, and proprietors .....	3.9	3.4	5.2	4.8	2.2	1.7
Clerical workers .....	13.9	12.8	7.7	7.5	22.2	19.7
Sales workers .....	2.2	2.1	1.8	1.7	2.7	2.7
<b>Blue-collar workers</b> .....	40.0	41.7	57.5	59.5	17.0	18.6
Craftsmen and foremen .....	7.7	8.3	12.8	14.1	.9	.8
Operatives .....	21.7	23.3	26.7	28.1	15.3	17.0
Nonfarm laborers .....	10.6	10.2	18.0	17.4	.9	.8
<b>Service workers</b> .....	27.6	26.8	15.5	13.0	43.6	44.9
Private household workers .....	7.4	7.9	.3	.2	16.8	18.0
Other service workers .....	20.2	18.9	15.2	12.8	26.8	26.9
<b>Farm workers</b> .....	3.3	3.5	4.8	5.5	1.2	1.0
Farmers and farm managers .....	.7	.9	1.0	1.5	.1	.1
Farm laborers and foremen .....	2.6	2.6	3.8	4.1	1.1	.8

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

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

**A-20: Employed persons by class of worker, sex, and age**  
 April 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> .....	68,940	1,642	12,645	54,654	5,237	521	1,250	1,764	491
16 to 19 years.....	5,187	369	413	4,404	52	40	280	22	151
16 and 17 years.....	2,057	284	137	1,636	32	28	139	13	101
18 and 19 years.....	3,130	85	276	2,769	21	11	141	8	50
20 to 24 years.....	9,343	80	1,640	7,622	194	23	172	63	48
25 to 34 years.....	15,153	137	2,797	12,219	797	52	216	192	53
35 to 44 years.....	13,894	204	2,651	11,039	1,111	113	187	302	74
45 to 54 years.....	14,205	287	2,969	10,949	1,388	153	168	434	77
55 to 64 years.....	9,114	349	1,827	6,938	1,129	113	140	436	63
55 to 59 years.....	5,454	178	1,093	4,183	666	75	81	226	32
60 to 64 years.....	3,660	171	734	2,755	463	37	59	210	31
65 years and over.....	2,045	215	347	1,483	565	28	87	315	25
<b>Male</b> .....	41,816	197	6,786	34,834	3,935	63	1,070	1,661	189
16 to 19 years.....	2,777	74	178	2,524	36	25	244	22	136
16 and 17 years.....	1,137	59	76	1,001	25	17	121	14	92
18 and 19 years.....	1,640	15	102	1,523	11	8	123	8	44
20 to 24 years.....	4,998	17	707	4,274	130	12	154	56	32
25 to 34 years.....	10,087	7	1,573	8,508	563	5	179	181	7
35 to 44 years.....	8,677	5	1,480	7,192	878	3	151	294	3
45 to 54 years.....	8,557	18	1,662	6,878	1,036	1	143	404	1
55 to 64 years.....	5,493	28	975	4,490	854	7	120	409	6
55 to 59 years.....	3,287	10	597	2,681	516	5	67	208	2
60 to 64 years.....	2,206	18	379	1,810	338	2	53	201	4
65 years and over.....	1,226	49	210	967	437	9	79	294	4
<b>Female</b> .....	27,124	1,445	5,859	19,820	1,302	458	180	103	302
16 to 19 years.....	2,410	295	235	1,880	16	15	35	--	14
16 and 17 years.....	920	225	61	635	6	11	18	--	9
18 and 19 years.....	1,490	70	175	1,246	10	4	18	--	6
20 to 24 years.....	4,344	63	933	3,348	64	11	18	7	16
25 to 34 years.....	5,065	130	1,224	3,711	234	47	37	11	46
35 to 44 years.....	5,216	199	1,171	3,846	233	109	36	8	71
45 to 54 years.....	5,648	269	1,308	4,071	352	152	25	30	76
55 to 64 years.....	3,621	322	851	2,448	274	105	20	27	57
55 to 59 years.....	2,167	168	497	1,502	150	70	14	17	30
60 to 64 years.....	1,454	154	355	945	125	35	6	9	27
65 years and over.....	820	167	137	516	128	19	8	21	21

## 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					
	April 1971	April 1970	Total		Wage and salary workers <sup>1</sup>			
			April 1971	April 1970	Paid absence <sup>2</sup>		Unpaid absence <sup>2</sup>	
					April 1971	April 1970	April 1971	April 1970
<b>Total</b> .....	4,138	3,040	4,075	2,930	1,977	1,119	1,711	1,487
Vacation .....	2,021	818	2,016	800	1,448	597	465	144
Illness .....	1,284	1,282	1,250	1,246	431	416	703	709
Bad weather .....	37	105	35	60	--	--	--	--
Industrial dispute .....	95	214	95	214	--	--	--	--
All other reasons .....	700	622	679	610	98	106	542	634
<b>Male</b> .....	2,095	1,829	2,037	1,728	1,073	736	759	802
Vacation .....	945	496	939	483	738	386	152	54
Illness .....	726	771	692	737	273	277	355	387
All other reasons .....	424	562	406	508	62	73	252	361
<b>Female</b> .....	2,043	1,211	2,038	1,201	903	382	951	684
Vacation .....	1,076	323	1,076	317	709	212	312	89
Illness .....	559	510	557	509	158	139	348	322
All other reasons .....	408	378	405	375	36	32	290	273

<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

April 1971

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
<b>Total at work</b> .....	74,065	70,624	3,441	100.0	100.0	100.0
1-34 hours .....	17,756	16,650	1,105	24.0	23.6	32.1
1-4 hours .....	794	756	37	1.1	1.1	1.1
5-14 hours .....	3,853	3,615	238	5.2	5.1	6.9
15-29 hours .....	8,196	7,564	632	11.1	10.7	18.4
30-34 hours .....	4,913	4,715	198	6.6	6.7	5.8
35 hours and over .....	56,310	53,974	2,335	76.0	76.4	67.9
35-39 hours .....	5,371	5,196	175	7.3	7.4	5.1
40 hours .....	30,945	30,571	374	41.8	43.3	10.9
41 hours and over .....	19,994	18,207	1,786	27.0	25.8	51.9
41 to 48 hours .....	7,999	7,782	217	10.8	11.0	6.3
49 to 59 hours .....	6,226	5,823	403	8.4	8.2	11.7
60 hours and over .....	5,769	4,602	1,166	7.8	6.5	33.9
Average hours, total at work .....	39.1	38.6	46.9	--	--	--
Average hours, workers on full-time schedules .....	43.5	42.9	58.0	--	--	--

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

April 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.....	17,756	5,962	11,794	16,651	5,725	10,926
Economic reasons.....	2,449	1,362	1,087	2,230	1,242	988
Slack work.....	1,377	1,023	354	1,225	918	307
Material shortages or repairs to plant and equipment.....	63	63	-	62	62	-
New job started during week.....	205	205	-	193	193	-
Job terminated during week.....	71	71	-	70	70	-
Could find only part-time work.....	733	-	733	681	-	681
Other reasons.....	15,306	4,599	10,707	14,421	4,483	9,937
Does not want, or unavailable for, full-time work.....	8,750	-	8,750	8,199	-	8,199
Vacation.....	657	657	-	650	650	-
Illness.....	1,635	1,359	276	1,540	1,333	207
Bad weather.....	196	196	-	149	149	-
Industrial dispute.....	60	60	-	60	60	-
Legal or religious holiday.....	1,173	1,173	-	1,171	1,171	-
Full time for this job.....	1,208	-	1,208	1,135	-	1,135
All other reasons.....	1,626	1,154	472	1,514	1,113	396
Average hours:						
Economic reasons.....	21.6	24.0	18.7	21.7	24.1	18.6
Other reasons.....	20.4	26.9	17.6	20.4	26.9	17.5
Worked 30 to 34 hours:						
Economic reasons.....	745	550	195	701	520	181
Other reasons.....	4,168	2,659	1,509	4,014	2,623	1,391

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

April 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	3.2	14.1	82.8	57.0	11.0	14.8	38.6	42.9
Wage and salary workers.....	100.0	3.1	13.8	83.2	59.5	11.0	12.7	38.2	42.2
Construction.....	100.0	6.8	3.9	89.3	69.2	10.1	10.0	38.6	41.0
Manufacturing.....	100.0	3.0	3.1	93.9	69.7	13.4	10.8	40.3	41.5
Durable goods.....	100.0	2.0	1.9	96.0	72.2	13.4	10.4	40.7	41.4
Nondurable goods.....	100.0	4.4	4.7	90.9	66.2	13.4	11.4	39.7	41.5
Transportation and public utilities.....	100.0	1.8	6.2	92.0	67.1	11.2	13.7	40.6	42.5
Wholesale and retail trade.....	100.0	3.5	25.3	71.2	42.8	12.6	15.8	36.8	44.0
Finance, insurance, and real estate.....	100.0	1.2	9.0	89.8	66.4	9.2	14.2	39.4	41.8
Service industries.....	100.0	3.3	23.9	72.8	52.2	8.2	12.5	35.3	42.1
Private households.....	100.0	11.7	58.8	29.6	19.9	4.2	5.4	22.0	42.8
All other service.....	100.0	2.4	20.4	77.2	55.4	8.6	13.2	36.6	42.1
Public administration.....	100.0	.9	5.6	93.6	74.4	8.4	10.7	40.2	41.7
Self-employed workers.....	100.0	4.6	15.2	80.3	27.6	11.0	41.7	44.8	51.7
Unpaid family workers.....	100.0	1.0	40.5	58.5	26.1	8.6	23.8	38.1	49.2

<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**

April 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.....	70,624	2,230	9,937	58,457	40,250	18,207	38.6	42.9
16 to 21 years .....	8,263	360	3,661	4,242	3,354	888	28.5	40.6
16 to 19 years .....	5,054	214	2,939	1,901	1,485	416	24.7	40.5
16 and 17 years .....	2,024	55	1,738	231	174	57	17.0	39.9
18 and 19 years .....	3,029	159	1,201	1,669	1,310	359	29.9	40.5
20 years and over .....	65,570	2,016	6,999	56,555	38,763	17,792	39.7	42.9
20 to 24 years .....	9,104	307	1,390	7,407	5,643	1,764	37.0	41.3
25 years and over .....	56,466	1,709	5,609	49,148	33,120	16,028	40.1	43.1
25 to 44 years .....	29,528	852	2,538	26,138	17,325	8,813	40.6	43.3
45 to 64 years .....	24,524	773	2,088	21,663	14,897	6,766	40.3	43.0
65 years and over .....	2,414	83	983	1,348	899	449	31.5	43.5
<b>Males, 16 years and over</b> .....	43,777	1,122	3,395	39,260	24,377	14,883	41.5	44.2
16 to 21 years .....	4,340	178	1,893	2,269	1,619	650	29.6	41.9
16 to 19 years .....	2,741	106	1,552	1,083	778	305	25.9	41.4
16 and 17 years .....	1,137	31	939	167	124	43	18.5	40.5
18 and 19 years .....	1,604	75	613	916	654	262	31.2	41.6
20 years and over .....	41,036	1,015	1,843	38,178	23,600	14,578	42.6	44.3
20 to 24 years .....	4,929	156	668	4,105	2,760	1,345	38.8	42.9
25 years and over .....	36,107	859	1,175	34,073	20,840	13,233	43.1	44.5
25 to 44 years .....	19,432	431	310	18,691	11,134	7,557	43.8	44.7
45 to 64 years .....	15,141	370	323	14,448	9,108	5,340	43.1	44.2
65 years and over .....	1,533	58	542	933	596	337	33.4	44.1
<b>Females, 16 years and over</b> .....	26,847	1,107	6,542	19,198	15,872	3,326	33.9	40.1
16 to 21 years .....	3,923	182	1,768	1,973	1,735	238	27.3	39.1
16 to 19 years .....	2,313	107	1,387	819	708	111	23.2	39.2
16 and 17 years .....	888	24	799	65	50	15	14.9	38.3
18 and 19 years .....	1,425	84	587	754	657	97	28.4	39.2
20 years and over .....	24,534	1,001	5,156	18,377	15,163	3,214	34.9	40.1
20 to 24 years .....	4,175	151	722	3,302	2,883	419	34.9	39.3
25 years and over .....	20,359	850	4,434	15,075	12,280	2,795	34.9	40.3
25 to 44 years .....	10,095	422	2,227	7,446	6,189	1,257	34.5	39.9
45 to 64 years .....	9,383	405	1,765	7,213	5,787	1,426	35.9	40.6
65 years and over .....	881	24	441	416	304	112	28.3	42.2
<b>COLOR</b>								
White .....	63,169	1,766	9,044	52,359	35,285	17,074	38.8	43.1
Male .....	39,573	891	3,136	35,546	21,498	14,048	41.8	44.5
Female .....	23,596	874	5,908	16,814	13,789	3,025	33.9	40.2
Negro and other races .....	7,455	464	893	6,098	4,963	1,135	36.7	40.7
Male .....	4,204	231	259	3,714	2,879	835	39.1	41.7
Female .....	3,251	233	634	2,384	2,084	300	33.7	39.1
<b>MARITAL STATUS</b>								
Male:								
Married, wife present .....	34,176	738	1,072	32,366	19,504	12,862	43.3	44.6
Widowed, divorced, or separated .....	2,352	96	145	2,111	1,410	701	40.8	43.2
Single (never married) .....	7,249	287	2,177	4,785	3,466	1,319	33.5	42.2
Female:								
Married, husband present .....	15,872	657	3,840	11,375	9,501	1,874	34.1	39.8
Widowed, divorced, or separated .....	5,011	260	803	3,948	3,132	816	36.2	40.9
Single (never married) .....	5,964	192	1,899	3,873	3,239	634	31.3	39.9

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

April 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	3.2	14.1	82.8	57.0	25.8
16 to 21 years .....	100.0	4.4	44.3	51.3	40.6	10.7
16 to 19 years .....	100.0	4.2	58.2	37.6	29.4	8.2
16 and 17 years .....	100.0	2.7	85.9	11.4	8.6	2.8
18 and 19 years .....	100.0	5.2	39.7	55.1	43.2	11.9
20 years and over .....	100.0	3.1	10.7	86.3	59.1	27.1
20 to 24 years .....	100.0	3.4	15.3	81.4	62.0	19.4
25 years and over .....	100.0	3.0	9.9	87.0	58.7	28.4
25 to 44 years .....	100.0	2.9	8.6	88.5	58.7	29.8
45 to 64 years .....	100.0	3.2	8.5	88.3	60.7	27.6
65 years and over .....	100.0	3.4	40.7	55.8	37.2	18.6
<b>Males, 16 years and over .....</b>	<b>100.0</b>	<b>2.6</b>	<b>7.8</b>	<b>89.7</b>	<b>55.7</b>	<b>34.0</b>
16 to 21 years .....	100.0	4.1	43.6	52.3	37.3	15.0
16 to 19 years .....	100.0	3.9	56.6	39.5	28.4	11.1
16 and 17 years .....	100.0	2.7	82.6	14.7	10.9	3.8
18 and 19 years .....	100.0	4.7	38.2	57.1	40.8	16.3
20 years and over .....	100.0	2.5	4.5	93.0	57.5	35.5
20 to 24 years .....	100.0	3.2	13.6	83.3	56.0	27.3
25 years and over .....	100.0	2.4	3.3	94.4	57.7	36.6
25 to 44 years .....	100.0	2.2	1.6	96.2	57.3	38.9
45 to 64 years .....	100.0	2.4	2.1	95.4	60.2	35.3
65 years and over .....	100.0	3.8	35.4	60.9	38.9	22.0
<b>Females, 16 years and over .....</b>	<b>100.0</b>	<b>4.1</b>	<b>24.4</b>	<b>71.5</b>	<b>59.1</b>	<b>12.4</b>
16 to 21 years .....	100.0	4.6	45.1	50.3	44.2	6.1
16 to 19 years .....	100.0	4.6	60.0	35.4	30.6	4.8
16 and 17 years .....	100.0	2.7	90.0	7.3	5.6	1.7
18 and 19 years .....	100.0	5.9	41.2	52.9	46.1	6.8
20 years and over .....	100.0	4.1	21.0	74.9	61.8	13.1
20 to 24 years .....	100.0	3.6	17.3	79.1	69.1	10.0
25 years and over .....	100.0	4.2	21.8	74.0	60.3	13.7
25 to 44 years .....	100.0	4.2	22.1	73.8	61.3	12.5
45 to 64 years .....	100.0	4.3	18.8	76.9	61.7	15.2
65 years and over .....	100.0	2.7	50.1	47.2	34.5	12.7
<b>COLOR</b>						
White .....	100.0	2.8	14.3	82.9	55.9	27.0
Male .....	100.0	2.3	7.9	89.8	54.3	35.5
Female .....	100.0	3.7	25.0	71.3	58.4	12.8
Negro and other races .....	100.0	6.2	12.0	81.8	66.6	15.2
Male .....	100.0	5.5	6.2	88.3	68.5	19.9
Female .....	100.0	7.2	19.5	73.3	64.1	9.2
<b>MARITAL STATUS</b>						
Male:						
Married, wife present .....	100.0	2.2	3.1	94.7	57.1	37.6
Widowed, divorced, or separated .....	100.0	4.1	6.2	89.8	59.9	29.8
Single (never married) .....	100.0	4.0	30.0	66.0	47.8	18.2
Female:						
Married, husband present .....	100.0	4.1	24.2	71.7	59.9	11.8
Widowed, divorced, or separated .....	100.0	5.2	16.0	78.8	62.5	16.3
Single (never married) .....	100.0	3.2	31.8	64.9	54.3	10.6

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

April 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.....	35,805	531	5,083	30,191	19,983	3,676	6,532	39.6	43.6
Professional and technical.....	10,190	108	1,196	8,886	5,810	1,138	1,938	39.9	43.3
Managers, officials, and proprietors.....	8,227	91	341	7,795	3,410	1,203	3,182	47.0	48.5
Clerical workers.....	12,605	204	2,290	10,111	8,748	839	524	35.6	39.7
Sales workers.....	4,784	128	1,256	3,400	2,016	496	888	36.6	44.4
Blue-collar workers.....	25,188	1,246	1,768	22,174	15,898	3,301	2,975	39.3	42.0
Craftsmen and foremen.....	9,441	353	278	8,810	6,105	1,405	1,300	40.9	42.4
Operatives.....	12,007	634	773	10,600	7,625	1,554	1,421	39.6	42.0
Nonfarm laborers.....	3,740	259	716	2,765	2,170	342	253	34.4	40.6
Service workers.....	10,003	486	3,177	6,340	4,514	839	987	33.3	42.7
Private household.....	1,373	158	809	406	278	58	70	22.0	42.1
Other service workers.....	8,630	329	2,368	5,933	4,235	781	917	35.1	42.8
<b>MALE</b>									
White-collar workers.....	19,138	199	1,362	17,577	9,512	2,552	5,514	43.7	46.0
Professional and technical.....	6,336	52	418	5,866	3,558	759	1,549	42.5	44.5
Managers, officials, and proprietors.....	6,896	69	183	6,644	2,742	1,027	2,875	48.0	49.1
Clerical workers.....	3,088	40	393	2,655	2,009	350	296	38.3	41.6
Sales workers.....	2,817	38	368	2,411	1,203	416	793	41.8	46.0
Blue-collar workers.....	21,068	866	1,336	18,866	13,002	2,980	2,883	40.0	42.5
Craftsmen and foremen.....	9,094	335	231	8,528	5,862	1,381	1,285	41.1	42.5
Operatives.....	8,452	279	452	7,721	5,098	1,269	1,354	41.2	43.1
Nonfarm laborers.....	3,522	252	652	2,618	2,044	330	244	34.5	40.7
Service workers.....	3,854	87	756	3,011	1,960	424	626	38.6	44.6
Private household.....	36	3	23	10	5	1	4	20.3	46.9
Other service workers.....	3,818	84	733	3,001	1,956	423	622	38.8	44.6
<b>FEMALE</b>									
White-collar workers.....	16,668	332	3,721	12,615	10,473	1,124	1,018	34.8	40.1
Professional and technical.....	3,854	55	779	3,020	2,253	379	388	35.6	40.9
Managers, officials, and proprietors.....	1,331	22	158	1,151	669	176	306	41.7	45.2
Clerical workers.....	9,516	165	1,897	7,454	6,737	489	229	34.7	39.0
Sales workers.....	1,966	91	888	987	813	80	94	29.2	40.3
Blue-collar workers.....	4,120	380	432	3,308	2,895	321	92	35.5	38.9
Craftsmen and foremen.....	347	17	47	283	243	24	16	35.8	39.6
Operatives.....	3,555	355	320	2,880	2,529	284	67	35.7	38.8
Nonfarm laborers.....	217	7	64	146	125	12	9	33.0	40.1
Service workers.....	6,149	399	2,421	3,329	2,552	415	362	30.0	41.0
Private household.....	1,337	154	786	397	273	57	66	22.0	42.0
Other service workers.....	4,812	245	1,635	2,932	2,279	358	295	32.2	40.9

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

April 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	1.5	14.2	84.3	55.8	10.3	18.2
Professional and technical .....	100.0	1.1	11.7	87.2	57.0	11.2	19.0
Managers, officials, and proprietors .....	100.0	1.1	4.1	94.7	41.4	14.6	38.7
Clerical workers .....	100.0	1.6	18.2	80.2	69.4	6.7	4.2
Sales workers .....	100.0	2.7	26.3	71.1	42.1	10.4	18.6
Blue-collar workers .....	100.0	4.9	7.0	88.0	63.1	13.1	11.8
Craftsmen and foremen .....	100.0	3.7	2.9	93.3	64.7	14.9	13.8
Operatives .....	100.0	5.3	6.4	88.3	63.5	12.9	11.8
Nonfarm laborers .....	100.0	6.9	19.1	73.9	58.0	9.1	6.8
Service workers .....	100.0	4.9	31.8	63.4	45.1	8.4	9.9
Private household .....	100.0	11.5	58.9	29.6	20.2	4.2	5.1
Other service workers .....	100.0	3.8	27.4	68.7	49.1	9.0	10.6
<b>MALE</b>							
White-collar workers .....	100.0	1.0	7.1	91.8	49.7	13.3	28.8
Professional and technical .....	100.0	.8	6.6	92.6	56.2	12.0	24.4
Managers, officials, and proprietors .....	100.0	1.0	2.7	96.3	39.8	14.9	41.7
Clerical workers .....	100.0	1.3	12.7	86.0	65.1	11.3	9.6
Sales workers .....	100.0	1.3	13.1	85.6	42.7	14.8	28.2
Blue-collar workers .....	100.0	4.1	6.3	89.5	61.7	14.1	13.7
Craftsmen and foremen .....	100.0	3.7	2.5	93.8	64.5	15.2	14.1
Operatives .....	100.0	3.3	5.3	91.4	60.3	15.0	16.0
Nonfarm laborers .....	100.0	7.2	18.5	74.3	58.0	9.4	6.9
Service workers .....	100.0	2.3	19.6	78.1	50.9	11.0	16.2
Private household .....	100.0	8.3	63.9	27.8	13.9	2.8	11.1
Other service workers .....	100.0	2.2	19.2	78.6	51.2	11.1	16.3
<b>FEMALE</b>							
White-collar workers .....	100.0	2.0	22.3	75.7	62.8	6.7	6.1
Professional and technical .....	100.0	1.4	20.2	78.4	58.5	9.8	10.1
Managers, officials, and proprietors .....	100.0	1.7	11.9	86.5	50.3	13.2	23.0
Clerical workers .....	100.0	1.7	19.9	78.3	70.8	5.1	2.4
Sales workers .....	100.0	4.6	45.2	50.2	41.4	4.1	4.8
Blue-collar workers .....	100.0	9.2	10.5	80.3	70.3	7.8	2.2
Craftsmen and foremen .....	100.0	4.9	13.5	81.6	70.0	6.9	4.6
Operatives .....	100.0	10.0	9.0	81.0	71.1	8.0	1.9
Nonfarm laborers .....	100.0	3.2	29.5	67.3	57.6	5.5	4.1
Service workers .....	100.0	6.5	39.4	54.1	41.5	6.7	5.9
Private household .....	100.0	11.5	58.8	29.7	20.4	4.3	4.9
Other service workers .....	100.0	5.1	34.0	60.9	47.4	7.4	6.1

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

April 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.....	8,090	4,099	3,991	6,940	3,528	3,412	1,149	571	579
Civilian labor force.....	1,370	803	567	1,296	759	537	73	44	29
Employed.....	1,213	708	505	1,168	676	492	45	32	13
Agriculture.....	146	128	18	137	120	17	9	8	1
Nonagricultural industries.....	1,067	580	487	1,031	556	475	36	24	12
Unemployed.....	157	95	62	129	83	45	28	12	16
Not in labor force.....	6,720	3,296	3,424	5,644	2,769	2,875	1,076	527	549
Keeping house.....	59	10	50	43	7	36	16	3	13
Going to school.....	6,339	3,139	3,200	5,318	2,630	2,687	1,021	509	512
Unable to work.....	10	6	4	8	5	4	2	2	--
All other reasons.....	311	141	171	275	128	147	37	13	24

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

April 1971

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
<b>CLASS OF WORKER</b>						
Total.....	1,213	708	505	100.0	100.0	100.0
Nonagricultural industries.....	1,067	581	487	88.0	81.9	96.4
Wage and salary workers.....	976	502	475	80.5	70.8	94.1
Private household workers.....	440	92	348	36.3	13.0	68.9
Government workers.....	30	17	13	2.5	2.4	2.6
Other wage and salary workers.....	506	392	115	41.7	55.3	22.8
Self-employed workers.....	78	69	9	6.4	9.7	1.8
Unpaid family workers.....	13	10	3	1.1	1.4	.6
Agriculture.....	146	128	18	12.0	18.1	3.6
Wage and salary workers.....	48	40	8	4.0	5.6	1.6
Self-employed workers.....	10	10	--	.8	1.4	--
Unpaid family workers.....	88	78	10	7.3	11.0	2.0
<b>OCCUPATION</b>						
Total.....	1,213	708	505	100.0	100.0	100.0
White-collar workers.....	282	232	50	23.2	32.8	9.9
Professional and technical.....	13	7	6	1.1	1.0	1.2
Managers, officials, and proprietors.....	3	1	2	.2	.1	.4
Clerical workers.....	40	20	21	3.3	2.8	4.2
Sales workers.....	225	204	21	18.5	28.8	4.2
Blue-collar workers.....	210	198	12	17.3	28.0	2.4
Craftsmen and foremen.....	10	10	--	.8	1.4	--
Operatives.....	34	29	4	2.8	4.1	.8
Nonfarm laborers.....	166	158	8	13.7	22.3	1.6
Service workers.....	584	159	426	48.1	22.5	84.4
Private household workers.....	379	30	349	31.2	4.2	69.1
Other service workers.....	206	129	77	17.0	18.2	15.2
Farm workers.....	137	119	17	11.3	16.8	3.4
Farmers and farm managers.....	5	5	--	.4	.7	--
Farm laborers and foremen.....	131	114	18	10.8	16.1	3.6

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

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

(In thousands)

Employment status, sex, and age	1971					1970							
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>Total</b>													
Total labor force	86,665	86,405	86,334	86,873	86,622	86,512	86,379	86,084	85,904	85,865	85,392	85,849	86,031
Civilian labor force	83,783	83,475	83,384	83,897	83,609	83,473	83,300	82,975	82,770	82,711	82,213	82,621	82,760
Employed	78,698	78,475	78,537	78,864	78,463	78,550	78,691	78,479	78,508	78,574	78,299	78,601	78,886
Agriculture	3,558	3,396	3,329	3,413	3,408	3,353	3,293	3,436	3,435	3,508	3,536	3,570	3,569
Nonagricultural industries	75,140	75,079	75,208	75,451	75,055	75,197	75,398	75,043	75,073	75,066	74,763	75,031	75,317
On part time for economic reasons	2,494	2,455	2,458	2,484	2,533	2,413	2,409	2,075	2,259	2,306	2,124	2,228	2,336
Usually work full time	1,309	1,242	1,227	1,377	1,382	1,249	1,347	1,005	1,292	1,248	1,145	1,235	1,378
Usually work part time	1,185	1,213	1,231	1,107	1,151	1,164	1,062	1,070	967	1,058	979	993	958
Unemployed	5,085	5,000	4,847	5,033	5,146	4,923	4,609	4,496	4,262	4,137	3,914	4,020	3,874
<b>Men, 20 years and over</b>													
Total labor force	50,230	49,994	49,811	50,074	50,158	50,184	50,134	50,098	49,970	49,975	49,906	49,999	49,994
Civilian labor force	47,703	47,425	47,239	47,480	47,531	47,548	47,463	47,401	47,243	47,245	47,154	47,205	47,161
Employed	45,625	45,411	45,237	45,425	45,365	45,531	45,531	45,530	45,472	45,507	45,546	45,616	45,657
Agriculture	2,476	2,439	2,347	2,435	2,458	2,472	2,444	2,518	2,528	2,576	2,586	2,605	2,592
Nonagricultural industries	43,149	42,972	42,890	42,990	42,907	43,059	43,087	43,012	42,944	42,931	42,960	43,011	43,065
Unemployed	2,078	2,014	2,002	2,055	2,166	2,017	1,932	1,871	1,771	1,738	1,608	1,589	1,504
<b>Women, 20 years and over</b>													
Civilian labor force	28,489	28,594	28,645	28,855	28,644	28,580	28,520	28,249	28,413	28,394	28,057	28,006	28,267
Employed	26,791	26,938	27,051	27,211	26,988	26,967	27,084	26,829	27,044	26,996	26,794	26,626	27,019
Agriculture	583	539	551	544	538	519	507	533	521	550	568	562	568
Nonagricultural industries	26,208	26,399	26,500	26,667	26,450	26,448	26,577	26,296	26,523	26,446	26,226	26,064	26,451
Unemployed	1,698	1,656	1,594	1,644	1,656	1,613	1,436	1,420	1,369	1,398	1,263	1,380	1,248
<b>Both sexes, 16-19 years</b>													
Civilian labor force	7,591	7,456	7,500	7,562	7,434	7,345	7,317	7,325	7,114	7,072	7,002	7,410	7,332
Employed	6,282	6,126	6,249	6,228	6,110	6,052	6,076	6,120	5,992	6,071	5,959	6,359	6,210
Agriculture	499	418	431	434	412	362	342	385	386	382	382	403	409
Nonagricultural industries	5,783	5,708	5,818	5,794	5,698	5,690	5,734	5,735	5,606	5,689	5,577	5,956	5,801
Unemployed	1,309	1,330	1,251	1,334	1,324	1,293	1,241	1,205	1,122	1,001	1,043	1,051	1,122

**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							
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>Full time</b>													
Total, 16 years and over:													
Civilian labor force	71,810	71,351	71,627	71,710	71,937	71,815	71,560	71,422	71,084	71,157	70,772	71,005	70,808
Employed	67,896	67,410	67,765	67,766	67,805	67,789	67,914	67,881	67,754	67,903	67,691	67,726	67,830
Unemployed	3,914	3,941	3,862	3,944	4,132	4,026	3,646	3,541	3,330	3,254	3,081	3,279	2,978
Unemployment rate	5.5	5.5	5.4	5.5	5.7	5.6	5.1	5.0	4.7	4.6	4.4	4.6	4.2
Men, 20 years and over:													
Civilian labor force	45,326	45,055	45,048	45,138	45,300	45,268	45,172	45,118	44,958	45,050	44,958	45,013	44,846
Employed	43,434	43,217	43,202	43,272	43,318	43,402	43,361	43,403	43,339	43,445	43,476	43,554	43,487
Unemployed	1,892	1,838	1,846	1,866	1,982	1,866	1,811	1,715	1,619	1,605	1,482	1,459	1,359
Unemployment rate	4.2	4.1	4.1	4.1	4.4	4.1	4.0	3.8	3.6	3.6	3.3	3.2	3.0
Women, 20 years and over:													
Civilian labor force	22,448	22,349	22,599	22,575	22,512	22,514	22,481	22,286	22,328	22,303	22,100	21,895	22,069
Employed	21,130	21,013	21,331	21,269	21,191	21,178	21,324	21,144	21,245	21,211	21,088	20,716	21,085
Unemployed	1,318	1,336	1,268	1,306	1,321	1,336	1,157	1,142	1,083	1,092	1,012	1,179	984
Unemployment rate	5.9	6.0	5.6	5.8	5.9	5.9	5.1	5.1	4.9	4.9	4.6	5.4	4.5
<b>Part time</b>													
Total, 16 years and over:													
Civilian labor force	11,853	12,092	11,747	12,291	11,640	11,736	11,665	11,682	11,793	11,696	11,536	11,488	11,831
Employed	10,739	11,038	10,727	11,156	10,637	10,746	10,701	10,702	10,866	10,816	10,740	10,721	10,976
Unemployed	1,114	1,054	1,020	1,135	1,003	990	964	980	927	880	796	767	855
Unemployment rate	9.4	8.7	8.7	9.2	8.6	8.4	8.3	8.4	7.9	7.5	6.9	6.7	7.2

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

## HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Characteristics	1971					1970							
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	Jul.	Jun.	May	Apr.
<b>White</b>													
<b>Total:</b>													
Civilian labor force .....	74,498	74,217	74,169	74,803	74,340	74,333	74,211	73,747	73,409	73,473	72,929	73,357	73,550
Employed .....	70,349	70,083	70,204	70,626	70,186	70,215	70,386	70,067	69,910	70,068	69,787	70,059	70,445
Unemployed .....	4,149	4,134	3,965	4,177	4,154	4,118	3,825	3,680	3,499	3,405	3,142	3,298	3,105
Unemployment rate .....	5.6	5.6	5.3	5.6	5.6	5.5	5.2	5.0	4.8	4.6	4.3	4.5	4.2
<b>Males, 20 years and over:</b>													
Civilian labor force .....	42,942	42,705	42,576	42,732	42,666	42,807	42,782	42,616	42,463	42,473	42,440	42,495	42,484
Employed .....	41,185	40,973	40,881	41,011	40,983	41,086	41,117	41,061	40,963	41,015	41,079	41,164	41,232
Unemployed .....	1,757	1,732	1,695	1,721	1,683	1,721	1,665	1,555	1,500	1,458	1,361	1,331	1,252
Unemployment rate .....	4.1	4.1	4.0	4.0	3.9	4.0	3.9	3.6	3.5	3.4	3.2	3.1	2.9
<b>Females, 20 years and over:</b>													
Civilian labor force .....	24,800	24,873	24,869	25,246	25,020	24,922	24,871	24,567	24,650	24,731	24,331	24,284	24,588
Employed .....	23,437	23,535	23,605	23,899	23,618	23,589	23,705	23,416	23,535	23,560	23,325	23,185	23,600
Unemployed .....	1,363	1,338	1,264	1,347	1,402	1,333	1,166	1,151	1,115	1,171	1,006	1,099	988
Unemployment rate .....	5.5	5.4	5.1	5.3	5.6	5.3	4.7	4.7	4.5	4.7	4.1	4.5	4.0
<b>Both sexes, 16 to 19 years:</b>													
Civilian labor force .....	6,756	6,639	6,724	6,825	6,654	6,604	6,558	6,564	6,296	6,269	6,158	6,578	6,478
Employed .....	5,727	5,575	5,718	5,716	5,585	5,540	5,564	5,590	5,412	5,493	5,383	5,710	5,613
Unemployed .....	1,029	1,064	1,006	1,109	1,069	1,064	994	974	884	776	775	868	865
Unemployment rate .....	15.2	16.0	15.0	16.2	16.1	16.1	15.2	14.8	14.0	12.4	12.6	13.2	13.4
<b>Negro and other races</b>													
<b>Total:</b>													
Civilian labor force .....	9,257	9,335	9,268	9,243	9,223	9,181	9,132	9,185	9,245	9,233	9,220	9,245	9,197
Employed .....	8,332	8,456	8,382	8,367	8,347	8,358	8,283	8,378	8,469	8,470	8,443	8,512	8,438
Unemployed .....	925	879	886	876	876	823	849	807	776	763	777	733	759
Unemployment rate .....	10.0	9.4	9.6	9.5	9.5	9.0	9.3	8.8	8.4	8.3	8.4	7.9	8.3
<b>Males, 20 years and over:</b>													
Civilian labor force .....	4,751	4,746	4,705	4,786	4,784	4,742	4,732	4,766	4,770	4,778	4,721	4,716	4,669
Employed .....	4,429	4,454	4,388	4,436	4,425	4,458	4,412	4,460	4,494	4,490	4,444	4,451	4,417
Unemployed .....	322	292	317	350	359	284	320	306	276	288	277	265	252
Unemployment rate .....	6.8	6.2	6.7	7.3	7.5	6.0	6.8	6.4	5.8	6.0	5.9	5.6	5.4
<b>Females, 20 years and over:</b>													
Civilian labor force .....	3,706	3,754	3,800	3,708	3,654	3,655	3,606	3,647	3,680	3,661	3,684	3,692	3,696
Employed .....	3,360	3,437	3,470	3,419	3,388	3,372	3,346	3,383	3,416	3,416	3,429	3,427	3,428
Unemployed .....	346	317	330	289	266	283	260	264	264	245	255	265	268
Unemployment rate .....	9.3	8.4	8.7	7.8	7.3	7.7	7.2	7.2	7.2	6.7	6.9	7.2	7.3
<b>Both sexes, 16 to 19 years:</b>													
Civilian labor force .....	800	835	763	749	785	784	794	772	795	794	815	837	832
Employed .....	543	565	524	512	534	528	525	535	559	564	570	634	593
Unemployed .....	257	270	239	237	251	256	269	237	236	230	245	203	239
Unemployment rate .....	32.1	32.3	31.3	31.6	32.0	32.7	33.9	30.7	29.7	29.0	30.1	24.3	28.7

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

(In thousands)

Duration of unemployment	1971					1970							
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	Jul.	Jun.	May	Apr.
Less than 5 weeks .....	2,276	2,116	2,154	2,322	2,456	2,333	2,373	2,271	2,217	2,080	2,001	2,145	2,220
5 to 14 weeks .....	1,560	1,649	1,595	1,624	1,612	1,758	1,490	1,470	1,340	1,322	1,276	1,205	1,095
15 weeks and over .....	1,071	1,107	1,069	1,079	1,084	880	754	788	727	694	661	606	564
15 to 26 weeks .....	641	651	614	666	750	555	496	507	475	458	427	346	369
27 weeks and over .....	430	456	455	413	334	325	258	281	252	236	234	260	195
Average (mean) duration .....	10.9	10.8	10.4	10.4	9.7	9.3	8.5	9.0	8.8	9.0	9.4	8.8	8.2

# HOUSEHOLD DATA SEASONALLY ADJUSTED

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**A-33: Major unemployment indicators, seasonally adjusted**

Selected categories	(Unemployment rates)												
	1971				1970								
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>Total (all civilian workers)</b> . . . . .	6.1	6.0	5.8	6.0	6.2	5.9	5.5	5.4	5.1	5.0	4.8	4.9	4.7
Men, 20 years and over . . . . .	4.4	4.2	4.2	4.3	4.6	4.2	4.1	3.9	3.7	3.7	3.4	3.4	3.2
Women, 20 years and over . . . . .	6.0	5.8	5.6	5.7	5.8	5.6	5.0	5.0	4.8	4.9	4.5	4.9	4.4
Both sexes, 16-19 years . . . . .	17.2	17.8	16.7	17.6	17.8	17.6	17.0	16.5	15.8	14.2	14.9	14.2	15.3
<b>White</b> . . . . .	5.6	5.6	5.3	5.6	5.6	5.5	5.2	5.0	4.8	4.6	4.3	4.5	4.2
<b>Negro and other races</b> . . . . .	10.0	9.4	9.6	9.5	9.5	9.0	9.3	8.8	8.4	8.3	8.4	7.9	8.3
<b>Married men</b> . . . . .	3.1	3.2	3.2	3.3	3.4	3.2	3.0	2.9	2.8	2.7	2.5	2.5	2.3
Full-time workers . . . . .	5.5	5.5	5.4	5.5	5.7	5.6	5.1	5.0	4.7	4.6	4.4	4.6	4.2
Part-time workers . . . . .	9.4	8.7	8.7	9.2	8.6	8.4	8.3	8.4	7.9	7.5	6.9	6.7	7.2
Unemployed 15 weeks and over <sup>1</sup> . . . . .	1.3	1.3	1.3	1.3	1.3	1.1	.9	.9	.9	.8	.8	.7	.7
State insured <sup>2</sup> . . . . .	3.9	3.9	3.7	3.7	4.2	4.6	4.5	4.2	3.7	3.5	3.7	3.6	3.0
Labor force time lost <sup>3</sup> . . . . .	6.4	6.5	6.3	6.4	6.4	6.4	6.1	5.9	5.5	5.4	4.9	5.5	5.0
<b>Occupation</b>													
<b>White-collar workers</b> . . . . .	3.8	3.7	3.5	3.5	3.8	3.6	3.0	2.9	2.8	3.0	2.6	2.8	2.8
Professional and technical . . . . .	3.3	3.4	3.3	3.0	2.9	2.6	1.9	2.0	1.9	2.1	1.5	2.0	2.1
Managers, officials, and proprietors . . . . .	1.6	1.7	1.5	1.5	1.7	1.7	1.4	1.5	1.3	1.6	1.4	1.2	1.2
Clerical workers . . . . .	5.2	4.9	4.7	4.9	5.3	5.0	4.3	4.0	3.9	4.3	4.0	3.9	3.9
Sales workers . . . . .	4.5	4.4	3.9	4.1	5.1	4.9	4.0	3.9	4.0	3.9	3.4	4.3	3.9
<b>Blue-collar workers</b> . . . . .	7.4	7.4	7.4	7.6	7.8	7.4	7.3	7.3	6.9	6.5	6.3	6.0	5.6
Craftsmen and foremen . . . . .	4.5	4.9	4.3	5.1	5.0	4.5	4.0	5.3	4.4	4.3	4.0	3.9	3.5
Operatives . . . . .	8.6	8.4	8.4	8.6	9.0	8.8	8.5	7.6	7.8	7.2	6.8	6.7	6.3
Nonfarm laborers . . . . .	10.2	10.0	11.3	10.6	11.0	10.1	11.2	11.2	10.1	9.7	10.2	9.1	8.6
<b>Service workers</b> . . . . .	6.3	6.0	5.9	6.4	6.2	6.0	5.7	5.7	5.5	5.3	5.1	5.0	4.9
<b>Farm workers</b> . . . . .	1.8	2.2	3.2	3.2	3.3	2.7	2.9	3.9	2.6	2.5	1.9	3.4	2.0
<b>Industry</b>													
<b>Private wage and salary workers<sup>4</sup></b> . . . . .	6.3	6.4	6.1	6.4	6.6	6.2	6.0	5.8	5.5	5.5	5.2	5.2	4.8
Construction . . . . .	9.6	10.9	11.0	11.2	11.8	9.1	11.7	12.7	11.8	10.8	10.6	12.0	8.3
Manufacturing . . . . .	7.0	6.9	6.8	7.2	7.6	7.3	6.7	6.1	5.8	5.8	5.3	5.2	4.7
Durable goods . . . . .	7.5	7.3	7.1	7.2	8.0	8.2	7.3	6.3	5.7	5.7	5.2	4.9	4.9
Nondurable goods . . . . .	6.3	6.4	6.4	7.1	7.2	6.1	5.8	5.8	5.9	6.0	5.5	5.6	4.6
Transportation and public utilities . . . . .	4.0	3.3	4.0	4.6	4.1	3.6	3.5	3.0	3.1	3.3	3.3	3.1	3.7
Wholesale and retail trade . . . . .	6.5	6.7	6.2	6.1	6.7	6.1	5.8	5.7	5.5	5.3	5.3	5.2	5.3
Finance and service industries . . . . .	5.3	5.3	4.8	5.0	4.9	5.1	4.5	4.8	4.4	4.6	4.1	4.2	3.9
<b>Government wage and salary workers</b> . . . . .	2.8	2.8	2.6	2.9	3.0	2.8	2.5	2.0	2.2	2.0	2.0	2.2	2.1
<b>Agricultural wage and salary workers</b> . . . . .	6.1	6.5	9.4	9.0	9.6	8.8	8.4	9.1	8.0	7.9	5.5	9.5	5.9

<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								
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>Total, 16 years and over</b> .....	6.1	6.0	5.8	6.0	6.2	5.9	5.5	5.4	5.1	5.0	4.8	4.9	4.7
16 to 19 years .....	17.2	17.8	16.7	17.6	17.8	17.6	17.0	16.5	15.8	14.2	14.9	14.2	15.3
16 and 17 years .....	18.3	18.8	17.4	20.3	19.8	18.6	19.7	19.0	17.3	15.5	16.4	15.9	17.2
18 and 19 years .....	15.8	17.2	16.1	16.0	16.5	16.6	15.1	14.6	14.5	13.4	13.6	13.5	13.3
20 to 24 years .....	10.4	10.0	9.4	9.7	10.2	10.0	9.1	9.3	8.4	8.5	7.6	8.1	7.7
25 years and over .....	4.0	4.0	3.9	4.0	4.2	3.9	3.7	3.5	3.4	3.4	3.2	3.3	3.0
25 to 54 years .....	4.2	4.2	4.0	4.1	4.4	4.2	3.9	3.6	3.6	3.6	3.3	3.3	3.1
55 years and over .....	3.6	3.3	3.6	3.6	3.5	3.3	3.0	3.1	2.8	2.9	2.9	3.2	2.7
<b>Males, 16 years and over</b> .....	5.3	5.3	5.2	5.4	5.6	5.2	5.1	4.9	4.7	4.5	4.3	4.3	4.1
16 to 19 years .....	16.5	17.0	16.2	17.6	17.2	16.5	17.0	16.4	15.7	14.2	15.2	14.8	14.6
16 and 17 years .....	18.5	18.4	17.3	19.8	20.0	17.7	19.8	19.4	17.0	15.4	16.7	16.3	16.5
18 and 19 years .....	14.9	16.0	15.3	15.7	15.0	15.1	14.9	14.2	14.5	13.7	13.5	13.8	13.1
20 to 24 years .....	10.5	10.0	9.7	10.4	10.9	10.4	10.6	10.1	8.7	9.0	7.4	7.7	7.8
25 years and over .....	3.5	3.4	3.4	3.5	3.7	3.4	3.2	3.0	3.0	2.9	2.9	2.8	2.6
25 to 54 years .....	3.4	3.4	3.2	3.4	3.6	3.5	3.3	3.0	3.0	2.9	2.9	2.7	2.5
55 years and over .....	3.7	3.5	3.9	3.8	3.7	3.5	3.0	3.1	3.0	2.8	2.8	3.0	2.7
<b>Females, 16 years and over</b> .....	7.3	7.2	6.8	6.9	7.1	7.0	6.3	6.2	5.9	5.8	5.5	5.8	5.6
16 to 19 years .....	18.2	18.8	17.2	17.7	18.6	19.0	16.9	16.5	15.8	14.1	14.5	13.5	16.1
16 and 17 years .....	17.9	19.4	17.5	21.0	19.4	19.8	19.5	18.6	17.6	15.7	15.9	15.3	18.0
18 and 19 years .....	16.9	18.5	17.0	16.4	18.2	18.4	15.3	14.9	14.6	13.1	13.6	13.0	13.5
20 to 24 years .....	10.3	10.1	9.1	9.0	9.3	9.6	7.4	8.2	8.1	8.0	7.9	8.6	7.6
25 years and over .....	5.0	5.0	4.8	4.9	5.1	4.8	4.6	4.3	4.2	4.3	3.8	4.1	3.8
25 to 54 years .....	5.5	5.6	5.3	5.2	5.7	5.4	5.0	4.7	4.6	4.7	4.2	4.3	4.1
55 years and over .....	3.4	3.1	3.1	3.3	3.1	2.9	3.0	3.0	2.6	3.0	3.0	3.5	2.7

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

(Numbers in thousands)

Reason for unemployment	1971				1970								
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>Number of unemployed</b>													
Lost last job .....	2,281	2,185	2,288	2,281	2,536	2,385	2,208	2,099	1,974	1,824	1,845	1,796	1,578
Left last job .....	606	594	652	643	614	607	590	540	563	600	559	543	552
Reentered labor force .....	1,460	1,537	1,296	1,497	1,472	1,397	1,214	1,335	1,269	1,283	1,086	1,168	1,186
Never worked before .....	688	678	589	644	594	607	553	538	492	429	482	475	525
<b>Percent distribution</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lost last job .....	45.3	43.8	47.4	45.0	48.6	47.7	48.4	46.5	45.9	44.1	46.5	45.1	41.1
Left last job .....	12.0	11.9	13.5	12.7	11.8	12.1	12.9	12.0	13.1	14.5	14.1	13.6	14.4
Reentered labor force .....	29.0	30.8	26.9	29.6	28.2	28.0	26.6	29.6	29.5	31.0	27.3	29.3	30.9
Never worked before .....	13.7	13.6	12.2	12.7	11.4	12.1	12.1	11.9	11.4	10.4	12.1	11.9	13.7
<b>Unemployed as a percent of the civilian labor force</b>													
Lost last job .....	2.7	2.6	2.7	2.7	3.0	2.9	2.7	2.5	2.4	2.2	2.2	2.2	1.9
Left last job .....	.7	.7	.8	.8	.7	.7	.7	.7	.7	.7	.7	.7	.7
Reentered labor force .....	1.7	1.8	1.6	1.8	1.8	1.7	1.5	1.6	1.5	1.6	1.3	1.4	1.4
Never worked before .....	.8	.8	.7	.8	.7	.7	.7	.6	.6	.5	.6	.6	.6

NOTE: Seasonally adjusted data for unemployed persons who never worked before have been changed as a result of a revision in the seasonal adjustment procedures affecting this series.

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

(In thousands)

Sex and age	1971					1970							
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>Total</b>													
16 years and over .....	78,698	78,475	78,537	78,864	78,463	78,550	78,691	78,479	78,508	78,574	78,299	78,601	78,886
16 to 19 years .....	6,282	6,126	6,249	6,228	6,110	6,052	6,076	6,120	5,992	6,071	5,959	6,359	6,210
16 and 17 years .....	2,660	2,627	2,709	2,684	2,544	2,541	2,531	2,586	2,540	2,556	2,505	2,688	2,642
18 and 19 years .....	3,619	3,517	3,555	3,555	3,559	3,528	3,559	3,544	3,413	3,486	3,457	3,655	3,571
20 to 24 years .....	9,980	9,839	9,795	9,926	9,879	9,859	9,859	9,940	9,858	9,778	9,707	9,617	9,597
25 years and over .....	62,431	62,533	62,489	62,722	62,461	62,646	62,679	62,506	62,731	62,790	62,743	62,618	63,063
25 to 54 years .....	48,446	48,495	48,619	48,667	48,436	48,577	48,592	48,489	48,655	48,697	48,659	48,665	48,875
55 years and over .....	13,956	14,072	13,928	14,237	14,064	14,015	14,054	13,980	14,035	14,044	13,996	14,006	14,161
<b>Male</b>													
16 years and over .....	49,144	48,793	48,725	48,908	48,870	48,964	48,870	48,898	48,754	48,858	48,824	49,073	49,088
16 to 19 years .....	3,519	3,382	3,488	3,483	3,505	3,433	3,339	3,368	3,282	3,351	3,278	3,457	3,431
16 and 17 years .....	1,548	1,476	1,577	1,561	1,537	1,489	1,439	1,484	1,455	1,500	1,465	1,517	1,529
18 and 19 years .....	1,957	1,915	1,920	1,924	1,973	1,956	1,914	1,890	1,793	1,834	1,820	1,954	1,888
20 to 24 years .....	5,510	5,405	5,322	5,365	5,400	5,342	5,299	5,308	5,250	5,209	5,192	5,213	5,159
25 years and over .....	40,114	40,027	39,926	40,038	39,997	40,165	40,230	40,235	40,234	40,280	40,346	40,415	40,489
25 to 54 years .....	31,204	31,070	31,148	31,094	31,132	31,281	31,290	31,301	31,248	31,298	31,292	31,360	31,380
55 years and over .....	8,912	8,943	8,812	9,007	8,901	8,900	8,938	8,927	8,957	8,979	8,996	9,066	9,114
<b>Female</b>													
16 years and over .....	29,554	29,682	29,812	29,956	29,593	29,586	29,821	29,581	29,754	29,716	29,475	29,528	29,798
16 to 19 years .....	2,763	2,744	2,761	2,745	2,605	2,619	2,737	2,752	2,710	2,720	2,681	2,902	2,779
16 and 17 years .....	1,112	1,151	1,132	1,123	1,007	1,052	1,092	1,102	1,085	1,056	1,040	1,171	1,113
18 and 19 years .....	1,662	1,602	1,635	1,631	1,586	1,572	1,645	1,654	1,620	1,652	1,637	1,701	1,683
20 to 24 years .....	4,470	4,434	4,473	4,561	4,479	4,517	4,641	4,550	4,528	4,498	4,425	4,413	4,438
25 years and over .....	22,317	22,506	22,563	22,684	22,464	22,481	22,449	22,271	22,497	22,510	22,397	22,203	22,574
25 to 54 years .....	17,242	17,425	17,471	17,573	17,304	17,296	17,302	17,188	17,407	17,399	17,367	17,305	17,495
55 years and over .....	5,044	5,129	5,116	5,230	5,163	5,115	5,116	5,053	5,078	5,065	5,000	4,940	5,047

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

(In thousands)

Occupation group	1971					1970							
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>White-collar workers</b> .....	37,932	37,838	37,791	38,086	38,107	38,165	38,110	38,003	37,950	38,027	38,006	37,932	38,003
Professional and technical .....	10,969	10,837	10,907	10,777	11,132	11,156	11,172	11,234	11,280	11,246	11,175	11,088	11,155
Managers, officials, and proprietors .....	8,607	8,662	8,573	8,729	8,408	8,378	8,349	8,246	8,248	8,308	8,294	8,336	8,214
Clerical workers .....	13,236	13,247	13,265	13,474	13,613	13,700	13,671	13,647	13,543	13,822	13,696	13,700	13,834
Sales workers .....	5,120	5,092	5,046	5,106	4,954	4,931	4,918	4,876	4,879	4,851	4,841	4,808	4,800
<b>Blue-collar workers</b> .....	27,005	26,999	27,196	27,023	27,444	27,695	27,736	27,580	27,683	27,662	27,493	27,736	27,971
Craftsmen and foremen .....	10,050	10,045	10,291	9,985	10,149	10,163	10,205	10,149	10,090	10,093	10,098	10,097	10,180
Operatives .....	12,927	12,899	12,841	12,931	13,583	13,747	13,895	13,728	13,811	13,840	13,845	13,920	14,050
Nonfarm laborers .....	4,028	4,055	4,064	4,107	3,712	3,785	3,636	3,703	3,782	3,729	3,550	3,719	3,741
<b>Service workers</b> .....	10,492	10,681	10,621	10,749	9,799	9,728	9,834	9,915	9,776	9,682	9,595	9,634	9,628
<b>Farmers and farm laborers</b> .....	3,169	2,991	2,944	3,026	3,080	2,990	2,997	3,095	3,086	3,174	3,204	3,221	3,204

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



**ESTABLISHMENT DATA  
EMPLOYMENT**

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

		(In thousands)									
SIC CODE	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970
-	<b>TOTAL</b> .....	70,376	69,876	69,533	70,758	70,460	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	57,270	56,806	56,524	58,001	57,780	47,228	46,757	46,487	47,854	47,648
-	<b>MINING</b> .....	615	606	606	616	610	464	457	457	469	462
10	<b>METAL MINING</b> .....	-	92.6	93.2	93.1	92.4	-	74.5	74.6	75.2	74.6
101	Iron ores .....	-	25.0	24.8	25.6	25.2	-	20.4	20.1	20.9	20.4
102	Copper ores .....	-	37.8	38.0	36.2	35.9	-	30.0	30.1	29.0	28.8
11,12	<b>COAL MINING</b> .....	-	153.5	152.9	141.2	140.1	-	132.3	132.0	122.8	121.4
12	Bituminous coal and lignite mining .....	-	147.9	147.3	135.5	134.5	-	127.4	127.1	117.7	116.4
13	<b>OIL AND GAS EXTRACTION</b> .....	-	251.1	253.7	265.9	265.9	-	162.1	164.9	175.9	175.6
131,2	Crude petroleum and natural gas fields .....	-	137.6	138.1	140.4	140.9	-	70.2	70.6	72.4	72.7
138	Oil and gas field services .....	-	113.5	115.6	125.5	125.0	-	91.9	94.3	103.5	102.9
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	-	108.8	106.1	115.7	111.3	-	87.9	85.4	94.6	90.8
142	Crushed and broken stone .....	-	38.5	36.5	40.3	38.2	-	31.7	29.9	33.6	31.8
144	Sand and gravel .....	-	33.8	33.4	36.9	34.8	-	-	-	-	-
-	<b>CONTRACT CONSTRUCTION</b> .....	3,171	2,958	2,833	3,286	3,161	2,621	2,414	2,291	2,736	2,611
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	864.9	827.8	975.4	956.0	-	705.9	668.8	813.6	794.4
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	581.6	546.3	684.9	607.7	-	475.4	440.9	575.3	500.0
161	Highway and street construction .....	-	215.8	197.4	289.3	233.3	-	179.3	161.3	250.9	195.5
162	Heavy construction, n e c .....	-	365.8	348.9	395.6	374.4	-	296.1	279.6	324.4	304.5
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	1,511.3	1,458.9	1,625.7	1,596.9	-	1,232.2	1,181.6	1,347.4	1,316.7
171	Plumbing, heating, air conditioning .....	-	365.3	370.3	392.4	395.7	-	287.1	292.6	314.3	317.8
172	Painting, paper hanging, decorating .....	-	100.2	94.8	125.0	116.2	-	83.8	79.6	108.9	99.8
173	Electrical work .....	-	266.6	266.1	280.5	279.2	-	209.2	208.5	223.8	223.3
174	Masonry, stonework, and plastering .....	-	202.1	185.3	216.6	215.4	-	182.0	164.3	195.4	193.9
176	Roofing and sheet metal work .....	-	107.0	99.0	114.7	110.7	-	87.2	78.8	94.1	90.3
-	<b>MANUFACTURING</b> .....	18,481	18,534	18,568	19,627	19,794	13,358	13,380	13,404	14,240	14,385
19,24,25,32-39	<b>DURABLE GOODS</b> .....	10,542	10,577	10,611	11,488	11,607	7,559	7,569	7,601	8,282	8,379
20-23,26-31	<b>NONDURABLE GOODS</b> .....	7,939	7,957	7,957	8,139	8,187	5,799	5,811	5,803	5,958	6,006
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	198.1	201.5	206.2	260.1	271.0	99.8	102.2	106.0	141.5	150.2
192	Ammunition, except for small arms .....	(*)	143.6	147.3	184.6	193.0	(*)	68.2	71.2	93.6	100.3
1925	Complete guided missiles .....	-	92.7	93.9	105.0	109.3	-	28.3	29.3	32.1	33.7
1929	Ammunition, exc. for small arms, nec .....	-	50.9	53.4	79.6	83.7	-	39.9	41.9	61.5	66.6
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	568.3	562.8	558.3	574.5	578.6	489.6	483.0	479.3	494.0	497.6
241	Logging camps & logging contractors .....	64.5	67.3	67.9	71.8	74.6	-	-	-	-	-
242	Sawmills and planing mills .....	211.4	208.4	205.2	215.3	216.7	191.9	188.9	186.2	195.4	196.7
2421	Sawmills and planing mills, general .....	-	176.1	173.0	181.3	181.8	-	159.9	157.2	164.3	165.3
243	Millwork, plywood & related products .....	173.7	168.8	166.6	162.5	161.9	144.7	140.1	138.2	134.5	133.5
2431	Millwork .....	-	73.2	72.5	70.2	69.5	-	58.5	58.1	56.2	55.3
2432	Veneer and plywood .....	-	75.0	73.6	71.3	71.6	-	67.2	65.8	63.6	63.8
244	Wooden containers .....	31.1	31.0	31.0	34.8	34.8	27.6	27.4	27.5	30.9	30.9
2441,2	Wooden boxes, shooks, and crates .....	-	24.5	24.5	27.5	27.4	-	21.7	21.7	24.4	24.3
249	Miscellaneous wood products .....	87.6	87.3	87.6	90.1	90.6	72.3	72.2	72.4	75.4	76.2

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					Production workers <sup>1</sup>				
		Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970
<i>Durable Goods--Continued</i>											
25	<b>FURNITURE AND FIXTURES</b> .....	448.5	448.8	447.5	462.9	468.6	368.3	368.5	367.8	381.4	387.6
251	Household furniture.....	322.5	321.9	320.1	323.1	326.6	273.2	272.5	271.1	273.0	277.1
2511	Wood household furniture.....	—	158.4	158.5	160.9	162.7	—	138.5	138.7	141.0	143.1
2512	Upholstered household furniture.....	—	87.5	87.6	86.1	86.7	—	73.1	73.1	71.4	72.0
2515	Mattresses and bedsprings.....	—	37.3	37.3	36.8	37.5	—	28.8	28.9	28.3	29.2
252	Office furniture.....	—	31.8	32.5	39.1	39.7	—	24.0	24.6	30.4	31.1
254	Partitions and fixtures.....	—	48.2	48.1	50.2	51.4	—	36.6	36.6	39.1	40.1
253,9	Other furniture and fixtures.....	45.9	46.9	46.8	50.5	50.9	34.6	35.4	35.5	38.9	39.3
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> ...	618.9	607.7	604.1	639.8	635.1	488.8	479.1	475.2	507.6	503.1
321	Flat glass.....	—	24.1	24.5	23.7	24.4	—	17.9	18.0	17.4	18.0
322	Glass and glassware, pressed or blown...	126.9	126.3	125.5	130.7	129.6	108.9	108.4	107.6	113.9	112.8
3221	Glass containers.....	—	71.7	71.1	74.4	73.1	—	62.6	62.0	66.4	65.1
3229	Pressed and blown glass, n e c.....	—	54.6	54.4	56.3	56.5	—	45.8	45.6	47.5	47.7
324	Cement, hydraulic.....	31.8	31.4	31.4	34.3	33.6	24.7	24.3	24.1	26.5	25.7
325	Structural clay products.....	(*)	53.9	53.6	58.8	57.8	(*)	43.8	43.2	47.8	46.7
3251	Brick and structural clay tile.....	—	23.7	23.3	25.7	24.8	—	20.2	19.7	22.3	21.4
326	Pottery and related products.....	—	40.8	40.6	44.0	45.3	—	34.0	33.7	36.6	37.9
327	Concrete, gypsum, and plaster products...	178.1	171.2	168.6	182.4	178.5	136.9	131.3	129.1	140.7	137.2
328,9	Other stone and nonmetallic mineral products	131.9	132.4	132.3	138.9	138.9	97.5	97.8	98.0	103.7	103.7
3291	Abrasive products.....	—	24.4	24.3	27.2	27.2	—	16.5	16.5	18.9	18.8
33	<b>PRIMARY METAL INDUSTRIES</b> .....	1,254.8	1,254.4	1,252.6	1,329.5	1,338.1	995.6	994.9	992.1	1,057.8	1,065.5
331	Blast furnace and basic steel products...	(*)	614.6	609.5	632.7	635.6	(*)	493.1	488.2	503.9	506.6
3312	Blast furnaces and steel mills.....	—	538.9	533.3	552.3	554.9	—	434.3	429.1	441.9	444.3
332	Iron and steel foundries.....	214.0	215.2	216.7	234.4	235.3	176.8	178.1	178.9	196.3	197.1
3321	Gray iron foundries.....	—	133.9	135.1	146.4	147.0	—	112.5	113.2	124.7	125.2
3322	Malleable iron foundries.....	—	21.9	21.7	22.7	22.6	—	18.1	17.9	18.9	18.7
3323	Steel foundries.....	—	59.4	59.9	65.3	65.7	—	47.5	47.8	52.7	53.2
333,4	Nonferrous metals.....	81.8	81.6	82.5	86.2	86.2	63.4	63.1	63.7	66.5	66.7
3334	Primary aluminum.....	—	28.6	28.8	30.8	30.9	—	23.1	23.3	25.2	25.3
335	Nonferrous rolling and drawing.....	203.1	201.6	201.3	215.5	218.3	150.0	148.2	147.6	161.1	163.3
3351	Copper rolling and drawing.....	—	39.1	39.4	44.4	45.0	—	28.5	28.8	33.0	33.6
3352	Aluminum rolling and drawing.....	—	65.8	64.7	69.0	70.6	—	47.8	46.7	50.9	51.7
3357	Nonferrous wire drawing and insulating...	—	76.3	76.2	79.1	79.1	—	58.0	57.6	60.9	61.2
336	Nonferrous foundries.....	74.9	74.9	75.7	87.5	87.9	60.2	60.4	61.4	71.9	72.4
3361	Aluminum castings.....	—	39.4	39.5	46.3	46.8	—	32.5	32.6	38.9	39.5
3362,9	Other nonferrous castings.....	—	35.5	36.2	41.2	41.1	—	27.9	28.8	33.0	32.9
339	Miscellaneous primary metal products...	64.8	66.5	66.9	73.2	74.8	50.4	52.0	52.3	58.1	59.4
3391	Iron and steel forgings.....	—	44.6	45.0	48.0	49.0	—	35.3	35.6	38.3	39.1
34	<b>FABRICATED METAL PRODUCTS</b> .....	1,325.6	1,302.7	1,330.5	1,402.5	1,416.1	1,002.4	981.6	1,008.1	1,070.1	1,079.5
341	Metal cans.....	(*)	39.1	70.1	69.9	70.5	(*)	28.8	59.8	59.1	58.7
342	Cutlery, hand tools, and hardware.....	152.6	153.7	153.4	158.5	160.9	118.5	119.5	118.9	122.6	123.9
3421,3,5	Cutlery and hand tools, incl. saws.....	—	64.2	64.1	67.1	68.3	—	49.5	49.3	51.8	52.6
3429	Hardware, n e c.....	—	89.5	89.3	91.4	92.6	—	70.0	69.6	70.8	71.3
343	Plumbing and heating, except electric...	78.7	80.3	79.4	82.6	84.4	58.1	59.4	58.4	61.0	62.2
3431,2	Sanitary ware & plumbers' brass goods...	—	35.6	35.1	36.7	37.3	—	28.3	27.7	29.1	29.7
3433	Heating equipment, except electric.....	—	44.7	44.3	45.9	47.1	—	31.1	30.7	31.9	32.5
344	Fabricated structural metal products.....	406.2	405.0	403.5	421.4	425.3	288.4	287.7	285.9	302.4	305.1
3441	Fabricated structural steel.....	—	105.6	105.9	107.9	109.2	—	77.8	78.1	79.1	80.1
3442	Metal doors, sash, and trim.....	—	62.2	61.8	64.3	64.6	—	44.3	43.8	45.7	45.8
3443	Fabricated plate work (boiler shops)...	—	117.9	118.0	122.0	121.7	—	82.5	82.4	86.6	86.1
3444	Sheet metal work.....	—	74.9	74.0	80.0	81.6	—	52.8	51.7	57.7	59.0
3446,9	Architectural and misc. metal work.....	—	44.4	43.8	47.2	48.2	—	30.3	29.9	33.3	34.1
345	Screw machine products, bolts, etc.....	100.2	100.3	100.5	113.3	115.5	76.7	76.8	77.0	88.0	89.9
3451	Screw machine products.....	—	43.6	43.8	50.2	51.3	—	35.5	35.6	41.9	43.0
3452	Bolts, nuts, rivets, and washers.....	—	56.7	56.7	63.1	64.2	—	41.3	41.4	46.1	46.9
346	Metal stampings.....	222.8	224.8	225.2	241.0	240.3	66.1	178.3	180.1	193.4	193.1
347	Metal services, n e c.....	80.8	81.4	81.8	90.8	91.9	178.3	66.1	66.5	74.5	75.5
348	Misc. fabricated wire products.....	63.7	63.7	63.3	65.3	67.3	50.2	50.3	50.0	51.7	53.6
349	Misc. fabricated metal products.....	(*)	154.4	153.3	159.7	160.0	(*)	112.3	111.5	117.4	117.5
3494,8	Valves, pipe, and pipe fittings.....	—	92.9	92.2	95.2	95.5	—	65.1	64.6	67.3	67.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)										
		All employees					Production workers <sup>1</sup>					
		Apr. 1971 P	Mar. 1971 P	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 P	Mar. 1971 P	Feb. 1971	Apr. 1970	Mar. 1970	
	<i>Durable Goods--Continued</i>											
35	<b>MACHINERY, EXCEPT ELECTRICAL . . . . .</b>	1,790.5	1,807.5	1,811.9	2,040.4	2,058.3	1,170.2	1,183.7	1,189.3	1,375.4	1,394.6	
351	Engines and turbines . . . . .	110.8	112.1	109.9	107.9	111.4	75.3	76.2	74.0	73.9	77.5	
3511	Steam engines and turbines . . . . .	—	40.8	40.8	39.1	38.8	—	24.2	24.2	24.0	24.0	
3519	Internal combustion engines, n e c . . . . .	—	71.3	69.1	68.8	72.6	—	52.0	49.8	49.9	53.5	
352	Farm machinery . . . . .	—	125.5	124.6	134.9	137.0	—	88.0	88.0	96.5	98.4	
353	Construction and related machinery . . . . .	272.2	273.1	272.6	299.9	300.3	175.1	176.2	176.1	200.1	200.9	
3531,2	Construction and mining machinery . . . . .	—	145.1	143.2	158.3	158.2	—	97.0	96.2	109.8	110.1	
3533	Oil field machinery . . . . .	—	44.9	44.9	47.4	47.4	—	30.3	30.3	32.8	32.9	
3535,6	Conveyors, hoists, cranes, monorails . . . .	—	37.8	38.7	43.8	44.0	—	22.2	23.0	27.1	27.1	
3537	Industrial trucks and tractors . . . . .	—	29.5	30.0	34.8	35.2	—	18.5	18.4	22.2	22.6	
354	Metal working machinery . . . . .	(*)	275.6	280.0	341.4	346.3	(*)	197.9	202.0	253.7	258.1	
3541	Machine tools, metal cutting types . . . . .	—	55.7	56.9	76.7	77.4	—	35.0	36.2	51.7	51.9	
3544	Special dies, tools, jigs, & fixtures . . . .	—	103.5	104.9	126.8	129.4	—	82.2	83.6	103.3	106.1	
3545	Machine tool accessories . . . . .	—	46.9	47.8	58.8	59.2	—	32.5	33.2	42.7	43.0	
3542,8	Misc. metal working machinery . . . . .	—	69.5	70.4	79.1	80.3	—	48.2	49.0	56.0	57.1	
355	Special industry machinery . . . . .	175.6	176.7	177.3	201.3	203.0	112.1	113.5	114.1	132.4	133.8	
3551	Food products machinery . . . . .	—	40.0	40.5	44.3	44.0	—	24.9	25.3	28.4	28.4	
3552	Textile machinery . . . . .	—	33.0	32.8	38.2	39.2	—	24.3	24.2	28.3	29.1	
3555	Printing trades machinery . . . . .	—	29.4	29.6	33.4	33.9	—	17.6	17.9	21.2	21.6	
356	General industrial machinery . . . . .	251.7	253.2	254.5	289.5	292.7	164.3	165.7	166.9	192.8	195.7	
3561	Pumps and compressors . . . . .	—	67.4	67.2	77.1	77.5	—	39.9	39.9	45.7	45.8	
3562	Ball and roller bearings . . . . .	—	50.7	51.4	61.0	66.2	—	38.0	38.5	46.8	48.0	
3564	Blowers and fans . . . . .	—	30.1	30.2	32.1	32.3	—	18.8	19.1	20.6	20.8	
3566	Power transmission equipment . . . . .	—	47.6	48.1	53.6	54.2	—	33.5	34.0	38.4	39.0	
357	Office and computing machines . . . . .	255.0	256.0	257.2	293.6	293.1	118.9	119.4	121.0	148.1	148.6	
3573	Electronic computing equipment . . . . .	—	173.8	173.9	196.1	195.4	—	63.3	63.8	77.4	77.6	
358	Service industry machines . . . . .	130.2	131.9	131.9	145.2	145.1	90.7	91.5	91.8	102.1	103.0	
3585	Refrigeration machinery . . . . .	—	86.3	86.1	96.8	96.4	—	60.4	60.5	59.0	69.2	
359	Misc. machinery, except electrical . . . . .	201.6	203.4	203.9	226.7	229.4	153.8	155.3	155.4	175.8	178.6	
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	1,757.3	1,783.2	1,787.7	1,959.1	1,983.2	1,155.1	1,174.6	1,176.1	1,295.8	1,313.3	
361	Electric test & distributing equipment . . . .	(*)	203.1	203.7	221.3	221.6	(*)	136.9	137.5	151.6	151.8	
3611	Electric measuring instruments . . . . .	—	64.0	64.4	73.8	74.1	—	38.6	39.1	46.4	46.6	
3612	Transformers . . . . .	—	54.9	55.0	60.2	59.9	—	39.4	39.5	43.9	43.7	
3613	Switchgear and switchboard apparatus . . . .	—	84.2	84.3	87.3	87.6	—	58.9	58.9	61.3	61.5	
362	Electrical industrial apparatus . . . . .	197.1	199.6	200.9	219.9	226.8	133.4	134.8	135.8	151.4	157.6	
3621	Motors and generators . . . . .	—	104.6	105.7	118.0	118.9	—	72.0	72.8	83.3	84.0	
3622	Industrial controls . . . . .	—	54.9	54.9	58.3	64.0	—	34.4	34.4	36.4	41.7	
363	Household appliances . . . . .	177.1	176.9	174.8	183.2	184.2	139.9	139.8	137.5	147.8	148.2	
3632	Household refrigerators and freezers . . . .	—	58.7	57.1	59.4	58.7	—	48.5	46.9	50.6	49.8	
3633	Household laundry equipment . . . . .	—	25.5	25.5	27.6	27.7	—	20.3	20.3	22.2	22.4	
3634	Electric housewares and fans . . . . .	—	42.1	42.1	44.3	45.7	—	32.6	32.5	34.9	36.0	
364	Electric lighting and wiring equipment . . . .	(*)	196.9	194.6	210.9	212.2	(*)	151.7	149.1	164.3	165.6	
3641	Electric lamps . . . . .	—	45.5	45.7	47.6	47.5	—	40.2	40.3	42.6	42.5	
3642	Lighting fixtures . . . . .	—	64.0	63.3	65.4	66.2	—	48.9	48.1	50.2	51.0	
3643,4	Wiring devices . . . . .	—	87.4	85.6	97.9	98.5	—	62.6	60.7	71.5	72.1	
365	Radio and TV receiving equipment . . . . .	127.2	129.3	130.4	129.8	132.1	92.6	93.7	95.2	92.5	94.0	
366	Communication equipment . . . . .	(*)	449.3	453.1	504.9	511.6	(*)	226.2	228.8	247.7	250.3	
3661	Telephone and telegraph apparatus . . . . .	—	164.9	165.9	160.5	159.1	—	109.2	110.2	106.4	105.2	
3662	Radio and TV communication equipment . . . .	—	284.4	287.2	344.4	352.5	—	117.0	118.6	141.3	145.1	
367	Electronic components and accessories . . . .	314.9	316.0	316.2	370.1	375.5	205.7	206.4	205.7	249.7	254.7	
3671-3	Electron tubes . . . . .	—	60.4	61.4	65.1	65.5	—	42.3	43.0	43.9	44.3	
3674,9	Other electronic components . . . . .	—	255.6	254.8	305.0	310.0	—	164.1	162.7	205.8	210.4	
369	Misc. electrical equipment & supplies . . . .	111.0	112.1	114.0	119.0	119.2	84.1	85.1	86.5	90.8	91.1	
3694	Engine electrical equipment . . . . .	—	57.5	58.9	61.3	61.7	—	44.7	45.7	47.0	47.5	
37	<b>TRANSPORTATION EQUIPMENT . . . . .</b>	1,752.5	1,781.1	1,787.1	1,928.9	1,963.4	1,226.5	1,241.3	1,248.6	1,347.2	1,372.5	
371	Motor vehicles and equipment . . . . .	(*)	878.8	875.5	871.5	883.9	(*)	678.8	676.5	672.7	684.3	
3711	Motor vehicles . . . . .	—	394.5	390.3	381.5	389.9	—	285.7	281.9	280.4	288.4	
3712	Passenger car bodies . . . . .	—	65.3	63.0	57.4	59.4	—	56.7	54.7	47.6	49.8	
3713	Truck and bus bodies . . . . .	—	38.4	37.8	40.2	40.0	—	30.5	30.2	32.6	32.6	
3714	Motor vehicle parts and accessories . . . . .	—	359.6	363.8	365.6	366.0	—	290.4	294.6	292.2	291.7	
3715	Truck trailers . . . . .	—	21.0	20.6	26.8	28.6	—	15.5	15.1	19.9	21.8	
372	Aircraft and parts . . . . .	(*)	586.3	602.1	722.7	743.6	(*)	311.7	325.9	404.1	417.0	
3721	Aircraft . . . . .	—	322.0	332.5	405.9	419.9	—	163.0	171.4	219.0	227.7	
3722	Aircraft engines and engine parts . . . . .	—	161.4	165.0	189.4	192.5	—	85.0	87.0	103.0	104.1	
3723,9	Other aircraft parts and equipment . . . . .	—	102.9	104.6	127.4	131.2	—	63.7	67.5	82.1	85.2	
373	Ship and boat building and repairing . . . . .	(*)	158.4	158.3	176.5	180.8	(*)	125.5	126.3	142.3	145.9	
3731	Ship building and repairing . . . . .	—	121.4	123.4	136.8	138.4	—	95.6	98.4	110.7	111.8	

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>				
		Apr. 1971 P	Mar. 1971 P	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 P	Mar. 1971 P	Feb. 1971	Apr. 1970	Mar. 1970
<i>Durable Goods--Continued</i>											
<b>TRANSPORTATION EQUIPMENT--Continued</b>											
3732	Boat building and repairing . . . . .	—	37.0	34.9	39.7	42.4	—	29.9	27.9	31.6	34.1
374	Railroad equipment . . . . .	—	49.3	49.7	53.6	53.9	—	37.6	38.0	41.6	42.0
375,9	Other transportation equipment . . . . .	—	108.3	101.5	104.6	101.2	—	87.7	81.9	86.5	83.3
<b>INSTRUMENTS AND RELATED PRODUCTS . . . . .</b>		<b>426.9</b>	<b>428.3</b>	<b>430.9</b>	<b>469.1</b>	<b>471.3</b>	<b>254.2</b>	<b>254.9</b>	<b>257.4</b>	<b>287.3</b>	<b>288.9</b>
38	Engineering & scientific instruments . . . . .	—	60.9	61.8	71.1	71.9	—	29.1	29.7	34.2	34.5
381	Mechanical measuring & control devices . . . . .	96.4	97.7	97.5	112.9	113.6	57.4	58.1	58.2	70.8	71.1
382	Mechanical measuring devices . . . . .	—	60.4	60.2	71.4	71.7	—	33.7	33.8	42.4	42.4
3821	Automatic temperature controls . . . . .	—	37.3	37.3	41.5	41.9	—	24.4	24.4	28.4	28.7
3822	Optical and ophthalmic goods . . . . .	50.9	50.4	50.4	55.3	55.5	34.9	34.6	34.7	38.5	38.9
383,5	Ophthalmic goods . . . . .	—	34.4	34.3	36.0	36.1	—	25.8	25.8	27.2	27.3
385	Medical instruments and supplies . . . . .	84.9	84.6	85.7	85.0	85.0	56.4	56.0	56.8	57.0	57.2
384	Photographic equipment and supplies . . . . .	(*)	104.6	104.7	110.3	110.7	(*)	52.9	53.3	58.6	58.9
386	Watches, clocks, and watchcases . . . . .	—	30.1	30.8	34.5	34.6	—	24.2	24.7	28.2	28.3
387											
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>											
39	Jewelry, silverware, and plated ware . . . . .	49.6	49.5	49.1	52.0	52.2	36.8	36.4	36.2	39.2	39.3
391	Toys and sporting goods . . . . .	—	104.3	101.6	112.8	111.0	—	82.7	80.4	90.2	88.4
394	Games, toys, dolls, & play vehicles . . . . .	—	53.6	52.1	61.2	58.1	—	41.4	40.2	48.6	45.6
3941-3	Sporting and athletic goods, n e c . . . . .	—	50.7	49.5	51.6	52.9	—	41.3	40.2	41.6	42.8
3949	Pens, pencils, office, and art supplies . . . . .	—	32.1	31.8	34.5	35.3	—	22.5	22.2	24.6	25.5
395	Costume jewelry and notions . . . . .	—	54.9	54.3	57.0	57.1	—	44.4	44.0	46.4	46.8
396	Other manufacturing industries . . . . .	157.1	157.9	157.6	165.0	167.4	118.1	118.7	118.6	123.8	126.1
393,9	Musical instruments and parts . . . . .	—	20.6	20.5	22.2	23.1	—	16.1	16.1	17.4	18.1
393											
<i>Nondurable Goods</i>											
<b>FOOD AND KINDRED PRODUCTS</b>											
20	Meat products . . . . .	1,688.4	1,691.8	1,696.9	1,722.2	1,735.6	1,115.3	1,118.4	1,120.0	1,137.8	1,152.7
201	Meat packing plants . . . . .	333.5	335.6	332.8	331.2	332.2	272.0	273.2	271.3	267.0	268.1
2011	Sausages and other prepared meats . . . . .	—	180.7	180.1	182.6	182.8	—	144.0	143.5	143.1	143.4
2013	Poultry dressing plants . . . . .	—	60.8	60.6	57.9	58.5	—	44.4	44.6	41.6	42.1
2015	Dairy products . . . . .	232.8	231.8	230.4	240.7	239.0	111.1	110.4	108.9	113.5	112.5
202	Ice cream and frozen desserts . . . . .	—	22.5	21.6	23.5	22.2	—	11.8	10.9	11.8	11.3
2024	Fluid milk . . . . .	—	164.5	164.6	172.0	171.9	—	63.9	63.7	66.8	66.5
2026	Canned, cured, and frozen foods . . . . .	—	234.3	232.6	244.1	246.9	—	187.7	185.1	199.5	202.2
203	Canned, cured, and frozen sea foods . . . . .	—	36.5	34.7	40.4	40.4	—	30.9	29.4	35.1	35.2
2031,6	Canned food, except sea foods . . . . .	—	103.6	105.4	107.9	108.2	—	76.9	78.9	82.5	82.5
2032,3	Frozen fruits and vegetables . . . . .	—	64.0	61.6	66.0	68.1	—	56.5	52.7	58.6	60.9
2037	Grain mill products . . . . .	134.2	135.7	135.9	133.6	134.2	94.0	95.7	95.8	94.8	95.1
204	Flour and other grain mill products . . . . .	—	28.5	29.0	28.6	29.0	—	21.1	21.4	21.3	21.4
2041	Prepared feeds for animals and fowls . . . . .	—	65.8	65.7	64.0	64.2	—	43.0	43.1	42.6	42.7
2042	Bakery products . . . . .	275.2	275.1	275.3	278.2	280.3	161.6	162.0	161.4	162.9	165.0
205	Bread, cake, and related products . . . . .	—	228.3	228.6	232.4	232.5	—	124.0	123.7	126.0	126.0
2051	Cookies and crackers . . . . .	—	46.8	46.7	45.8	47.8	—	38.0	37.7	36.9	39.0
2052	Sugar . . . . .	—	27.5	35.7	31.8	36.4	—	20.8	27.4	23.1	28.0
206	Confectionery and related products . . . . .	(*)	79.4	80.7	81.5	85.5	(*)	63.9	64.8	65.5	69.5
207	Confectionery products . . . . .	—	63.2	64.7	65.2	69.1	—	51.7	52.8	53.4	57.4
2071	Beverages . . . . .	234.7	232.8	232.3	237.6	236.9	115.2	114.5	113.8	119.1	119.2
208	Malt liquors . . . . .	—	56.9	56.4	59.1	59.4	—	37.8	37.0	39.0	39.4
2082	Bottled and canned soft drinks . . . . .	—	130.2	129.9	131.0	129.7	—	47.2	46.6	48.2	47.4
2086	Misc. foods and kindred products . . . . .	138.2	139.6	141.2	143.5	144.2	89.0	90.2	91.5	92.4	93.1
209											
21	<b>TOBACCO MANUFACTURES</b> . . . . .	65.2	67.6	73.0	71.4	73.8	52.9	55.3	60.5	58.2	60.4
211	Cigarettes . . . . .	—	38.9	40.3	41.0	41.0	—	31.1	32.5	33.1	33.1
212	Cigars . . . . .	—	16.2	16.3	17.6	17.7	—	14.7	14.8	15.9	16.0
22	<b>TEXTILE MILL PRODUCTS</b> . . . . .	940.1	938.5	939.6	974.6	977.3	825.9	822.8	823.7	856.1	858.2
221	Weaving mills, cotton . . . . .	215.2	218.4	220.1	221.5	222.5	196.1	198.3	199.6	201.3	202.2
222	Weaving mills, synthetics . . . . .	(*)	92.3	93.1	97.2	98.1	(*)	81.2	82.2	85.6	86.6
223	Weaving and finishing mills, wool . . . . .	33.1	32.9	32.5	41.3	41.3	27.9	27.6	27.3	35.5	35.3
224	Narrow fabric mills . . . . .	29.6	29.5	29.4	30.6	31.0	26.0	25.9	25.9	27.1	27.4
225	Knitting mills . . . . .	225.5	224.5	224.0	238.8	239.1	197.4	196.5	196.1	209.0	209.3
2251	Women's hosiery, except socks . . . . .	—	52.8	53.9	65.3	65.8	—	46.8	48.0	58.8	59.3
2252	Hosiery, n e c . . . . .	—	33.1	33.3	35.5	35.7	—	29.5	29.7	31.6	31.8
2253	Knit outerwear mills . . . . .	—	68.7	67.9	67.8	67.1	—	59.3	58.5	57.9	57.0
2254	Knit underwear mills . . . . .	—	29.3	29.1	30.3	30.5	—	25.9	25.7	26.7	27.1

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

64

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

(In thousands)											
SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
<i>Nondurable Goods--Continued</i>											
<b>TEXTILE MILL PRODUCTS--Continued</b>											
226	Textile finishing, except wool .....	83.3	83.4	83.3	82.4	83.1	70.7	70.5	70.4	69.9	70.5
227	Floor covering mills .....	-	52.8	53.7	54.4	55.1	-	41.5	42.2	43.0	43.7
228	Yarn and thread mills .....	135.0	134.0	133.7	131.2	131.6	124.6	123.4	123.0	121.3	121.5
229	Miscellaneous textile goods .....	70.6	70.7	69.8	77.2	75.5	57.7	57.9	57.0	63.4	61.7
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS...</b>	1,384.5	1,391.3	1,376.9	1,382.4	1,402.8	1,213.0	1,219.7	1,206.1	1,210.3	1,230.4
231	Men's and boys' suits and coats .....	116.7	116.4	117.2	130.0	130.5	102.2	101.7	102.5	113.2	113.4
232	Men's and boys' furnishings .....	385.2	381.8	377.3	377.8	376.5	339.7	336.3	332.7	334.7	333.4
2321	Men's and boys' shirts and nightwear ...	-	117.7	116.0	122.2	120.4	-	104.4	102.9	109.3	107.6
2327	Men's and boys' separate trousers .....	-	82.5	81.9	81.0	81.3	-	73.9	73.3	73.6	73.8
2328	Men's and boys' work clothing .....	-	89.0	88.1	85.3	85.6	-	76.3	76.1	73.4	73.5
233	Women's and misses' outerwear .....	448.3	455.1	447.5	426.7	444.2	397.7	404.6	397.4	377.3	394.8
2331	Women's and misses' blouses and waists .	-	53.7	53.3	53.6	54.2	-	48.2	47.7	48.2	48.9
2335	Women's and misses' dresses .....	-	219.4	212.5	208.0	213.5	-	198.8	192.1	187.0	192.5
2337	Women's and misses' suits and coats ...	-	82.5	83.3	69.7	80.9	-	71.6	72.5	59.8	70.8
2339	Women's and misses' outerwear, n e c ...	-	99.5	98.4	95.4	95.6	-	86.0	85.1	82.3	82.6
234	Women's and children's undergarments ...	114.3	114.7	113.2	117.6	119.0	98.8	99.3	97.7	101.6	102.9
2341	Women's and children's underwear .....	-	81.7	80.5	82.6	83.4	-	71.7	70.6	72.4	73.2
2342	Corsets and allied garments .....	-	33.0	32.7	35.0	35.6	-	27.6	27.1	29.2	29.7
235	Hats, caps, and millinery .....	-	17.3	17.7	18.2	19.7	-	15.6	15.7	16.3	17.9
236	Children's outerwear .....	73.8	76.3	76.4	75.7	75.8	65.8	67.8	68.1	57.3	67.4
2361	Children's dresses and blouses .....	-	32.7	32.4	33.1	33.3	-	29.4	29.2	29.8	30.1
237,8	Fur goods and miscellaneous apparel .....	-	68.5	68.4	73.0	72.8	-	58.1	57.8	62.5	62.2
239	Misc. fabricated textile products .....	161.7	161.2	159.2	163.4	164.3	136.8	136.3	134.2	137.4	138.4
2391,2	Housefurnishings .....	-	64.2	63.6	62.9	63.9	-	54.9	54.2	53.9	54.6
26	<b>PAPER AND ALLIED PRODUCTS.....</b>	683.6	687.5	689.4	714.2	714.9	523.4	525.1	526.6	550.9	551.8
261,2,6	Paper and pulp mills .....	216.1	217.1	218.0	225.7	225.4	165.8	166.0	166.3	174.4	174.3
263	Paperboard mills .....	68.0	69.0	69.1	72.0	72.2	53.9	54.1	54.2	57.9	57.9
264	Misc. converted paper products .....	184.8	185.7	185.1	189.6	189.8	134.6	135.2	134.6	138.0	138.2
2643	Bags, except textile bags .....	-	41.6	41.4	43.4	43.7	-	32.8	32.7	35.0	35.3
265	Paperboard containers and boxes .....	(*)	215.7	217.2	226.9	227.5	(*)	169.8	171.5	180.6	181.4
2651,2	Folding and setup paperboard boxes .....	-	65.3	65.3	68.8	68.8	-	53.2	53.2	56.8	57.0
2653	Corrugated and solid fiber boxes .....	-	103.7	104.1	108.4	108.5	-	78.7	79.2	83.2	83.3
2654	Sanitary food containers .....	-	29.3	29.5	30.0	30.1	-	23.8	24.2	24.4	24.4
27	<b>PRINTING AND PUBLISHING.....</b>	1,087.9	1,091.9	1,093.2	1,109.9	1,112.3	667.9	669.7	669.8	687.3	689.7
271	Newspapers .....	369.4	370.2	373.0	373.2	372.8	179.8	179.5	181.5	181.9	182.1
272	Periodicals .....	-	72.8	73.2	74.9	75.1	-	23.6	23.6	25.5	25.9
273	Books .....	-	100.6	99.5	100.4	100.3	-	55.4	54.1	56.0	56.1
275	Commercial printing .....	350.3	351.2	350.1	357.9	359.2	269.5	270.0	269.1	276.7	277.9
2751	Commercial printing, ex. lithographic ...	-	212.4	212.2	217.4	218.7	-	165.4	165.0	169.7	170.8
2752	Commercial printing, lithographic .....	-	126.2	125.4	128.7	128.7	-	95.2	94.7	98.1	98.2
278	Blankbooks and bookbinding .....	55.6	56.0	56.6	58.5	59.1	45.8	46.3	46.8	43.2	48.7
274,6,7,9	Other publishing & printing ind. ....	140.5	141.1	140.8	145.0	145.8	94.3	94.9	94.7	99.0	99.0
28	<b>CHEMICALS AND ALLIED PRODUCTS. ...</b>	1,029.3	1,027.6	1,029.7	1,063.8	1,064.1	593.1	591.5	589.8	614.7	614.7
281	Industrial chemicals .....	311.8	312.5	314.4	321.2	322.4	171.3	170.9	171.0	174.8	175.1
2812	Alkalies and chlorine .....	-	21.4	21.4	22.6	22.6	-	14.6	14.5	15.6	15.6
2818	Industrial organic chemicals, n e c ...	-	123.0	124.2	130.3	130.6	-	54.6	54.4	57.3	57.0
2819	Industrial inorganic chemicals, n e c ...	-	102.4	102.3	100.2	101.1	-	59.3	59.1	57.6	58.4
282	Plastics materials and synthetics .....	216.8	215.9	216.6	224.8	225.1	144.1	143.0	142.9	146.6	146.6
2821	Plastics materials and resins .....	-	91.6	92.0	96.2	96.2	-	56.2	56.3	58.5	58.5
2823,4	Synthetic fibers .....	-	110.8	111.0	114.8	115.0	-	77.4	77.3	78.8	78.8
283	Drugs .....	152.9	153.5	152.5	150.5	149.3	74.1	76.0	74.9	73.9	73.6
2834	Pharmaceutical preparations .....	-	118.5	118.3	116.7	116.2	-	57.8	57.5	56.4	56.7
284	Soap, cleaners, and toilet goods .....	120.8	120.5	120.9	123.4	124.3	67.7	67.5	67.8	69.9	70.9
2841	Soap and other detergents .....	-	40.2	40.5	40.3	40.6	-	25.7	26.0	25.8	26.1
2844	Toilet preparations .....	-	46.3	46.3	49.6	50.1	-	25.3	25.1	28.3	28.9
285	Paints and allied products .....	68.3	68.0	68.1	70.1	70.1	37.1	36.8	36.8	38.9	38.9
287	Agricultural chemicals .....	(*)	59.6	58.0	64.5	63.0	(*)	37.5	35.8	41.5	40.0
2871,2	Fertilizers, complete & mixing only ...	-	42.2	40.5	46.3	44.7	-	28.8	27.1	32.3	30.8
286,9	Other chemical products .....	97.2	97.6	99.2	109.3	109.9	59.5	59.8	60.6	69.1	69.6
2892	Explosives .....	-	26.2	27.6	35.9	36.8	-	18.5	19.2	25.9	26.7
29	<b>PETROLEUM AND COAL PRODUCTS.....</b>	189.3	188.2	187.7	190.4	189.7	115.1	114.0	113.5	116.7	115.9
291	Petroleum refining .....	151.2	150.9	150.9	152.7	152.3	88.4	87.7	87.8	90.0	89.6
295,9	Other petroleum and coal products .....	38.1	37.3	36.8	37.7	37.4	26.7	26.3	25.7	26.7	26.3

See footnotes at end of table.



ESTABLISHMENT DATA  
EMPLOYMENT

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Apr. 1971 <sup>b</sup>	Mar. 1971 <sup>b</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>b</sup>	Mar. 1971 <sup>b</sup>	Feb. 1971	Apr. 1970	Mar. 1970
<i>Nondurable Goods--Continued</i>											
30	<b>RUBBER AND PLASTICS PRODUCTS, N.E.C.</b>	554.9	557.1	553.0	580.8	585.0	424.7	426.8	422.8	445.6	449.5
301	Tires and inner tubes.....	116.2	117.6	117.4	118.7	117.7	81.2	82.7	82.4	82.8	81.7
302,3,6	Other rubber products.....	164.7	164.8	165.2	172.0	174.7	128.0	128.0	128.6	133.5	136.0
302	Rubber footwear.....	-	25.5	25.6	23.7	23.5	-	22.0	22.2	20.3	20.0
307	Miscellaneous plastics products.....	274.0	274.7	270.4	290.1	292.6	215.5	216.1	211.8	229.3	231.8
31	<b>LEATHER AND LEATHER PRODUCTS...</b>	315.5	315.1	317.2	329.1	331.6	268.1	267.6	269.9	280.7	283.1
311	Leather tanning and finishing.....	(*)	26.3	26.3	28.0	27.3	(*)	22.6	22.6	24.2	23.6
314	Footwear, except rubber.....	211.2	210.4	212.5	218.8	219.9	182.6	181.7	183.8	189.9	190.9
312,3,5-7,9	Other leather products.....	77.5	78.4	78.4	82.3	84.4	62.5	63.3	63.5	66.6	68.6
316	Luggage.....	-	16.7	16.3	19.4	19.6	-	12.5	12.2	15.1	15.2
317	Handbags and personal leather goods.....	-	36.3	36.4	33.8	35.8	-	30.6	30.8	28.2	30.2
-	<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,445	4,458	4,444	4,432	4,443	3,839	3,854	3,841	3,831	3,852
40	<b>RAILROAD TRANSPORTATION.....</b>	-	603.8	602.4	626.2	622.7	-	-	-	-	-
4011	Class I railroads <sup>2</sup> .....	-	540.7	539.0	559.7	557.2	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSPORTATION.....</b>	-	290.8	293.1	294.9	294.9	-	-	-	-	-
411	Local and suburban transportation.....	-	75.7	75.8	77.0	77.4	-	71.4	71.4	72.3	72.5
412	Taxicabs.....	-	113.4	114.6	115.6	116.1	-	-	-	-	-
413	Intercity highway transportation.....	-	41.4	41.8	42.8	41.7	-	37.9	38.4	39.3	38.1
42	<b>TRUCKING AND WAREHOUSING.....</b>	-	1,083.6	1,073.7	1,033.1	1,070.0	-	972.3	963.4	922.5	966.7
421,3	Trucking and trucking terminals.....	-	995.4	985.3	949.5	984.5	-	897.2	887.9	850.7	893.2
422	Public warehousing.....	-	88.2	88.4	83.6	85.5	-	75.1	75.5	71.8	73.5
45	<b>TRANSPORTATION BY AIR.....</b>	-	330.9	331.4	348.6	348.6	-	-	-	-	-
451,2	Air transportation.....	-	302.4	302.7	315.7	315.1	-	-	-	-	-
46	<b>PIPE LINE TRANSPORTATION.....</b>	-	17.4	17.4	17.2	17.2	-	13.5	13.5	13.7	13.7
44,47	<b>OTHER TRANSPORTATION AND SERVICES.....</b>	-	305.6	305.1	325.8	316.6	-	-	-	-	-
44	<b>WATER TRANSPORTATION.....</b>	-	202.6	202.5	221.0	210.1	-	-	-	-	-
47	<b>TRANSPORTATION SERVICES.....</b>	-	103.0	102.6	104.8	106.5	-	-	-	-	-
48	<b>COMMUNICATION.....</b>	-	1,140.2	1,137.1	1,110.9	1,101.3	-	894.8	891.0	869.6	862.1
481	Telephone communication.....	-	948.8	945.8	923.6	913.7	-	753.2	749.5	733.0	725.5
482	Telegraph communication <sup>3</sup> .....	-	29.6	29.4	31.9	32.2	-	20.0	19.8	21.8	22.2
483	Radio and television broadcasting.....	-	138.2	138.7	136.1	136.4	-	112.7	113.1	107.8	107.6
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES.....</b>	-	685.5	684.2	675.6	671.7	-	587.2	586.4	581.0	577.2
491	Electric companies and systems.....	-	284.5	284.1	280.7	279.3	-	241.9	241.5	239.3	237.9
492	Gas companies and systems.....	-	160.9	160.6	158.6	157.7	-	136.6	136.1	134.9	134.2
493	Combination companies and systems.....	-	187.1	186.8	185.3	184.3	-	162.1	162.5	162.1	161.1
494-7	Water, steam, & sanitary systems.....	-	53.0	52.7	51.0	50.4	-	46.6	46.3	44.7	44.0
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	15,003	14,822	14,757	14,818	14,700	13,304	13,124	13,064	13,169	13,058
50	<b>WHOLESALE TRADE.....</b>	3,828	3,833	3,825	3,803	3,797	3,197	3,200	3,194	3,195	3,190
501	Motor vehicles & automotive equipment.....	-	336.2	333.6	319.2	319.2	-	272.1	270.7	262.4	262.7
502	Drugs, chemicals, and allied products.....	-	238.5	239.0	232.5	231.9	-	192.0	192.4	188.4	188.5
503	Dry goods and apparel.....	-	149.9	149.0	149.4	150.4	-	119.0	117.9	116.6	117.9
504	Groceries and related products.....	-	542.2	539.3	537.5	535.7	-	474.0	471.4	470.2	468.3
506	Electrical goods.....	-	348.5	348.9	322.4	318.6	-	293.9	293.4	272.4	269.2
507	Hardware, plumbing & heating equipment.....	-	172.6	173.1	173.0	172.2	-	145.4	146.1	146.6	145.8
508	Machinery, equipment, and supplies.....	-	727.7	724.7	752.5	751.0	-	612.8	611.8	641.4	639.6
509	Miscellaneous wholesalers.....	-	1,235.6	1,232.9	1,235.6	1,233.7	-	1,023.6	1,019.7	1,030.6	1,029.2
52-59	<b>RETAIL TRADE.....</b>	11,175	10,989	10,932	11,015	10,903	10,107	9,924	9,870	9,974	9,868
53	<b>RETAIL GENERAL MERCHANDISE.....</b>	2,269.3	2,216.2	2,256.5	2,261.1	-	2,076.5	2,071.2	2,065.2	2,070.7	-
531	Department stores.....	-	1,471.1	1,469.4	1,466.5	1,468.8	-	1,349.1	1,349.0	1,344.8	1,347.2
532	Mail order houses.....	-	118.2	118.4	121.6	124.0	-	109.0	110.4	112.4	115.3
533	Variety stores.....	-	327.2	323.5	322.4	324.1	-	302.9	298.7	297.7	299.1
54	<b>FOOD STORES.....</b>	-	1,765.4	1,764.3	1,734.8	1,737.8	-	1,639.2	1,637.8	1,612.2	1,616.0
541-3	Grocery, meat, and vegetable stores.....	-	1,594.3	1,591.6	1,566.2	1,565.3	-	1,479.1	1,476.3	1,454.9	1,454.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
-	<b>WHOLESALE AND RETAIL TRADE (Continued)</b>										
56	APPAREL AND ACCESSORY STORES . . . . .	-	696.7	697.0	710.8	712.5	-	618.3	618.9	637.3	639.8
561	Men's & boys' clothing & furnishings . . . . .	-	125.7	127.6	126.8	127.0	-	112.3	114.2	113.3	113.6
562	Women's ready-to-wear stores . . . . .	-	262.0	260.2	266.5	267.0	-	233.3	232.4	239.2	240.2
565	Family clothing stores . . . . .	-	98.9	99.8	100.4	102.6	-	91.5	92.1	93.3	95.5
566	Shoe stores . . . . .	-	138.6	137.9	144.3	142.9	-	117.8	116.9	127.1	125.9
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>	-	454.8	454.1	451.5	453.2	-	394.9	393.9	393.1	395.1
571	Furniture and home furnishings . . . . .	-	287.4	286.5	286.1	286.6	-	247.8	246.7	247.8	248.6
58	<b>EATING AND DRINKING PLACES . . . . .</b>	-	2,414.2	2,365.7	2,491.9	2,384.7	-	2,254.9	2,205.8	2,332.1	2,226.7
52,55,59	<b>OTHER RETAIL TRADE . . . . .</b>	-	3,388.5	3,389.8	3,369.5	3,353.2	-	2,940.1	2,942.8	2,934.1	2,919.8
52	Building materials and farm equipment . . . . .	-	546.0	539.9	546.4	537.9	-	466.4	460.9	467.4	459.3
55	Automotive dealers & service stations . . . . .	-	1,605.1	1,600.0	1,599.8	1,589.3	-	-	-	-	-
551,2	Motor vehicle dealers . . . . .	-	756.1	751.3	770.1	770.6	-	635.8	631.0	651.5	652.5
553,9	Other automotive & accessory dealers . . . . .	-	232.3	228.1	229.0	222.8	-	199.1	195.3	197.2	191.5
554	Gasoline service stations . . . . .	-	616.7	620.6	600.7	595.9	-	-	-	-	-
59	Miscellaneous retail stores . . . . .	-	1,237.4	1,249.9	1,223.3	1,226.0	-	-	-	-	-
591	Drug stores and proprietary stores . . . . .	-	436.7	438.6	438.4	438.1	-	389.1	390.8	390.6	390.8
594	Book and stationery stores . . . . .	-	66.7	68.4	66.4	67.0	-	57.3	58.9	57.5	57.9
596	Farm and garden supply stores . . . . .	-	110.6	108.5	116.0	112.0	-	-	-	-	-
598	Fuel and ice dealers . . . . .	-	111.3	115.4	106.3	112.3	-	96.7	100.9	92.1	97.4
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>4</sup> . . . . .</b>	3,764	3,727	3,708	3,658	3,639	2,954	2,919	2,905	2,890	2,876
60	Banking . . . . .	-	1,067.3	1,066.0	1,034.7	1,030.7	-	871.2	870.7	852.3	849.5
61	Credit agencies other than banks . . . . .	-	380.4	378.7	371.1	369.8	-	296.1	295.0	293.1	288.6
612	Savings and loan associations . . . . .	-	115.2	114.2	107.5	106.3	-	91.4	90.9	85.7	84.6
614	Personal credit institutions . . . . .	-	194.4	194.3	195.7	195.9	-	-	-	-	-
62	Security, commodity brokers & services . . . . .	-	195.0	192.4	207.7	210.3	-	165.3	162.6	177.0	179.8
63	Insurance carriers . . . . .	-	1,077.2	1,073.7	1,049.9	1,045.9	-	747.3	745.8	737.3	735.6
631	Life insurance . . . . .	-	563.7	561.7	545.0	542.2	-	333.5	332.7	323.2	321.6
632	Accident and health insurance . . . . .	-	97.3	97.3	93.3	92.5	-	83.5	83.5	86.2	79.5
633	Fire, marine, and casualty insurance . . . . .	-	370.6	369.6	367.5	367.2	-	293.0	292.7	297.4	297.8
64	Insurance agents, brokers, and service . . . . .	-	281.1	278.3	272.7	273.0	-	-	-	-	-
65	Real estate . . . . .	-	641.8	634.7	638.9	626.4	-	-	-	-	-
655	Subdividers and developers . . . . .	-	82.6	80.4	83.2	77.0	-	-	-	-	-
656	Operative builders . . . . .	-	40.8	38.6	41.6	40.7	-	-	-	-	-
66,67	Other finance, insurance, & real estate . . . . .	-	84.5	83.9	83.3	82.6	-	-	-	-	-
-	<b>SERVICES . . . . .</b>	11,791	11,701	11,608	11,564	11,433	10,688	10,609	10,525	10,519	10,404
70	Hotels and other lodging places . . . . .	-	716.9	707.3	745.3	727.3	-	-	-	-	-
701	Hotels, tourist courts, and motels . . . . .	-	631.0	621.3	671.4	654.1	-	582.8	574.1	622.1	604.7
72	Personal services . . . . .	-	957.4	953.5	1,006.2	1,006.2	-	-	-	-	-
721	Laundries and dry cleaning plants . . . . .	-	476.7	478.2	512.6	514.4	-	432.0	433.5	466.1	467.3
722	Photographic studios . . . . .	-	38.6	37.8	39.8	39.5	-	33.7	32.1	34.2	33.9
73	Miscellaneous business services . . . . .	-	1,560.0	1,552.3	1,544.0	1,544.2	-	-	-	-	-
731	Advertising . . . . .	-	118.4	118.7	123.1	123.0	-	-	-	-	-
732	Credit reporting and collection . . . . .	-	77.0	76.4	76.7	76.7	-	-	-	-	-
734	Services to buildings . . . . .	-	296.4	297.1	288.4	283.0	-	-	-	-	-
76	Miscellaneous repair services . . . . .	-	179.0	178.6	180.9	181.5	-	-	-	-	-
78	Motion pictures . . . . .	-	175.3	175.4	185.0	177.1	-	-	-	-	-
781	Motion picture filming & distributing . . . . .	-	40.2	41.7	42.2	43.0	-	25.4	26.6	28.2	29.0
782,3	Motion picture theaters and services . . . . .	-	135.1	133.7	142.8	134.1	-	-	-	-	-
80	Medical and other health services . . . . .	-	3,211.4	3,194.5	3,033.9	3,019.4	-	-	-	-	-
806	Hospitals . . . . .	-	1,951.8	1,944.1	1,860.6	1,854.2	-	-	-	-	-
81	Legal services . . . . .	-	243.2	241.9	231.1	229.7	-	-	-	-	-
82	Educational services . . . . .	-	1,242.9	1,224.2	1,197.8	1,197.8	-	-	-	-	-
821	Elementary and secondary schools . . . . .	-	422.2	421.6	402.8	402.5	-	-	-	-	-
822	Colleges and universities . . . . .	-	712.6	697.8	696.9	697.9	-	-	-	-	-
89	Miscellaneous services . . . . .	-	654.3	653.5	656.0	659.2	-	-	-	-	-
891	Engineering & architectural services . . . . .	-	298.8	296.6	303.6	304.5	-	-	-	-	-
892	Nonprofit research agencies . . . . .	-	107.4	107.1	106.6	107.3	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

(In thousands)

SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
-	GOVERNMENT .....	13,106	13,070	13,009	12,757	12,680	-	-	-	-	-
91	FEDERAL GOVERNMENT <sup>5</sup> .....	2,668	2,649	2,646	2,838	2,758	-	-	-	-	-
	Executive .....	-	2,610.8	2,608.4	2,802.0	2,721.7	-	-	-	-	-
	Department of Defense .....	-	1,000.5	998.9	1,053.4	1,057.3	-	-	-	-	-
	Post Office Department .....	-	718.0	718.7	716.0	713.9	-	-	-	-	-
	Other agencies .....	-	892.3	890.8	1,032.6	950.5	-	-	-	-	-
	Legislative .....	-	30.4	30.2	29.4	29.2	-	-	-	-	-
	Judicial .....	-	7.5	7.3	6.8	6.8	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	10,438	10,421	10,363	9,919	9,922	-	-	-	-	-
92	State government .....	-	2,813.7	2,786.5	2,686.1	2,682.4	-	-	-	-	-
	State education .....	-	1,216.5	1,200.5	1,142.4	1,148.3	-	-	-	-	-
	Other State government .....	-	1,597.2	1,586.0	1,543.7	1,534.1	-	-	-	-	-
93	Local government .....	-	7,607.6	7,576.2	7,233.1	7,239.2	-	-	-	-	-
	Local education .....	-	4,423.2	4,400.3	4,155.2	4,174.3	-	-	-	-	-
	Other local government .....	-	3,184.4	3,175.9	3,077.9	3,064.9	-	-	-	-	-

<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.

c=corrected.

p=preliminary.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1971		October 1970		January 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
-	<b>TOTAL</b> .....	26,019	37	26,311	37	25,862	37
-	<b>PRIVATE SECTOR</b> .....	20,426	36	20,790	36	20,515	36
-	<b>MINING</b> .....	37	6	37	6	37	6
10	<b>METAL MINING</b> .....	2.7	3	2.7	3	2.6	3
11,12	<b>COAL MINING</b> .....	2.5	2	2.4	2	2.3	2
13	<b>OIL AND GAS EXTRACTION</b> .....	26.2	10	26.5	10	27.2	10
131,2	Crude petroleum and natural gas fields .....	17.5	13	18.5	13	18.7	13
138	Oil and gas field services .....	8.7	7	8.0	7	8.5	6
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	5.2	5	5.3	4	5.0	5
142	Crushed and broken stone .....	1.9	5	1.9	5	1.8	5
144	Sand and gravel .....	1.6	5	1.6	4	1.4	4
-	<b>CONTRACT CONSTRUCTION</b> .....	168	6	167	5	169	6
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	46.7	5	45.2	5	46.0	5
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	28.6	5	30.4	4	29.8	5
161	Highway and street construction .....	9.8	5	10.8	3	10.6	5
162	Heavy construction, n e c .....	18.8	5	19.6	4	19.2	5
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	92.5	6	91.5	6	92.7	6
171	Plumbing, heating, air conditioning .....	27.5	7	27.3	7	28.2	7
172	Painting, paper hanging, decorating .....	7.2	7	7.3	6	7.2	7
173	Electrical work .....	14.5	5	14.3	5	14.6	5
174	Masonry, stonework, and plastering .....	8.2	4	8.3	4	8.5	4
176	Roofing and sheet metal work .....	7.2	7	7.3	6	7.4	7
-	<b>MANUFACTURING</b> .....	5,163	28	5,395	29	5,551	28
19,24,25,32-39	<b>DURABLE GOODS</b> .....	2,108	20	2,203	21	2,375	20
20-23,26-31	<b>NONDURABLE GOODS</b> .....	3,055	38	3,192	39	3,176	39
	<i>Durable Goods</i>						
19	<b>ORDNANCE AND ACCESSORIES</b> .....	51.5	24	57.4	25	74.0	26
192	Ammunition, except for small arms .....	38.6	26	42.0	27	55.9	27
1925	Complete guided missiles .....	16.8	18	17.4	18	20.7	18
1929	Ammunition, exc. for small arms, n e c .....	21.8	39	24.6	40	35.2	39
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	58.0	11	60.2	10	62.7	11
241	Logging camps, & logging contractors .....	2.7	4	3.0	4	3.9	5
242	Sawmills and planing mills .....	11.7	6	12.3	6	13.1	6
2421	Sawmills and planing mills, general .....	8.5	5	8.9	5	9.2	5
243	Millwork, plywood & related products .....	18.9	12	18.9	11	19.0	11
2431	Millwork .....	10.3	14	10.5	14	9.7	13
2432	Veneer and plywood .....	7.0	10	6.9	10	7.6	10
244	Wooden containers .....	6.0	19	6.0	19	6.6	19
2441,2	Wooden boxes, shooks, and crates .....	4.9	20	5.0	20	5.6	21
249	Miscellaneous wood products .....	18.7	22	20.0	22	20.1	22
25	<b>FURNITURE AND FIXTURES</b> .....	111.2	25	112.8	25	115.6	24
251	Household furniture .....	85.8	27	86.3	27	87.8	27
2511	Wood household furniture .....	38.4	24	39.2	24	38.9	23
2512	Upholstered household furniture .....	26.4	30	26.7	31	26.6	30
2515	Mattresses and bedsprings .....	10.7	29	10.7	29	11.4	29
252	Office furniture .....	5.3	16	5.7	16	6.6	16
254	Partitions and fixtures .....	5.9	12	6.3	12	5.7	11
253,9	Other furniture and fixtures .....	14.2	30	14.5	29	15.5	30
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	100.1	17	106.2	17	105.6	17
321	Flat glass .....	1.7	7	1.6	7	1.7	7
322	Glass and glassware, pressed or blown .....	41.5	33	45.7	35	41.6	33
3221	Glass containers .....	26.1	36	29.7	38	25.6	36
3229	Pressed and blown glass n e c .....	15.4	29	16.0	29	16.0	29
324	Cement, hydraulic .....	1.3	4	1.3	4	1.4	4
325	Structural clay products .....	6.3	12	6.5	11	6.7	12
3251	Brick and structural clay tile .....	1.3	5	1.3	5	1.3	5
326	Pottery and related products .....	12.9	32	13.8	32	14.7	33
327	Concrete, gypsum, and plaster products .....	10.4	6	10.9	6	11.0	6
328,9	Other stone and nonmetallic mineral products .....	18.8	14	19.0	14	20.4	15
3291	Abrasives products .....	5.0	20	5.2	20	5.6	21

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

SIC Code	Industry	January 1971		October 1970		January 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Durable Goods--Continued</i>						
33	<b>PRIMARY METAL INDUSTRIES</b> . . . . .	87.5	7	84.0	8	97.5	7
331	Blast furnace and basic steel products . . . . .	27.4	5	28.1	5	29.1	5
3312	Blast furnaces and steel mills . . . . .	21.0	4	21.4	4	22.0	4
332	Iron and steel foundries . . . . .	11.2	5	11.1	5	12.5	5
3321	Gray iron foundries . . . . .	5.4	4	5.5	4	6.7	4
3322	Malleable iron foundries . . . . .	1.1	5	1.0	5	1.2	5
3323	Steel foundries . . . . .	4.7	8	4.6	8	4.6	7
333,4	Nonferrous metals . . . . .	3.5	4	3.5	4	3.8	4
3334	Primary aluminum . . . . .	.8	3	.8	3	.9	3
335	Nonferrous rolling and drawing . . . . .	30.3	15	25.2	13	33.8	15
3351	Copper rolling and drawing . . . . .	3.2	8	3.4	8	3.8	8
3352	Aluminum rolling and drawing . . . . .	6.7	10	6.9	10	6.9	10
3357	Nonferrous wire drawing and insulating . . . . .	17.3	23	11.6	17	19.3	25
336	Nonferrous foundries . . . . .	10.3	14	11.1	14	12.7	14
3361	Aluminum castings . . . . .	4.4	11	4.7	12	5.2	11
3362,9	Other nonferrous castings . . . . .	5.9	16	6.4	17	7.5	17
339	Miscellaneous primary metal products . . . . .	4.8	7	5.0	8	5.6	7
3391	Iron and steel forgings . . . . .	2.7	6	2.8	7	3.0	6
34	<b>FABRICATED METAL PRODUCTS</b> . . . . .	240.2	18	244.0	18	265.5	19
341	Metal cans . . . . .	11.6	17	11.2	16	11.6	17
342	Cutlery, hand tools, and hardware . . . . .	49.6	32	46.1	32	54.0	33
3421,3,5	Cutlery and hand tools, incl. saws . . . . .	16.7	26	17.0	27	18.1	27
3429	Hardware, n e c . . . . .	32.9	37	29.1	37	35.9	37
343	Plumbing and heating, except electric . . . . .	12.6	16	13.0	16	13.7	16
3431,2	Sanitary ware & plumbers' brass goods . . . . .	6.3	18	6.4	18	7.0	18
3433	Heating equipment, except electric . . . . .	6.3	14	6.6	14	6.7	14
344	Fabricated structural metal products . . . . .	40.6	13	43.6	10	42.3	10
3441	Fabricated structural steel . . . . .	5.6	5	5.6	5	5.7	5
3442	Metal doors, sash, and trim . . . . .	12.8	21	15.2	22	13.7	21
3443	Fabricated plate work (boiler shops) . . . . .	8.2	7	8.1	7	8.2	8
3444	Sheet metal work . . . . .	9.7	13	10.2	13	10.3	13
3446,9	Architectural and misc. metal work . . . . .	4.3	10	4.5	10	4.4	9
345	Screw machine products, bolts, etc. . . . .	20.8	21	22.0	21	25.5	22
3451	Screw machine products . . . . .	10.2	23	11.1	23	12.5	24
3452	Bolts, nuts, rivets, and washers . . . . .	10.6	19	10.9	19	13.0	20
346	Metal stampings . . . . .	45.9	20	47.1	22	52.3	21
347	Metal services, n e c . . . . .	15.6	19	17.2	20	18.9	20
348	Misc. fabricated wire products . . . . .	15.8	25	16.0	25	17.4	25
349	Misc. fabricated metal products . . . . .	27.7	18	27.8	18	29.8	19
3494,8	Valves, pipe, and pipe fittings . . . . .	15.6	17	15.3	17	16.7	17
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> . . . . .	267.6	15	279.7	15	310.3	15
351	Engines and turbines . . . . .	14.3	13	14.4	14	15.9	16
3511	Steam engines and turbines . . . . .	3.8	11	3.8	11	4.5	17
3519	Internal combustion engines, n e c . . . . .	10.5	15	10.6	15	11.4	16
352	Farm machinery . . . . .	12.6	10	12.6	10	14.0	10
353	Construction and related machinery . . . . .	26.2	10	27.7	10	27.4	9
3531,2	Construction and mining machinery . . . . .	11.5	8	12.8	9	12.1	8
3533	Oil field machinery . . . . .	4.4	10	4.5	10	4.4	9
3535,6	Conveyors, hoists, cranes, monorails . . . . .	4.4	11	4.6	11	4.9	11
3537	Industrial trucks and tractors . . . . .	3.1	10	3.1	10	3.4	9
354	Metal working machinery . . . . .	33.0	12	35.2	12	39.6	11
3541	Machine tools, metal cutting types . . . . .	5.6	10	6.2	10	7.6	10
3544	Special dies, tools, jigs & fixtures . . . . .	7.5	7	8.4	8	9.1	7
3545	Machine tool accessories . . . . .	9.0	18	9.4	19	11.2	19
3542,8	Misc. metal working machinery . . . . .	10.9	15	11.2	15	11.7	15
355	Special industry machinery . . . . .	21.4	12	22.1	12	24.6	12
3551	Food products machinery . . . . .	4.9	12	4.8	12	5.3	12
3552	Textile machinery . . . . .	4.3	13	4.5	13	5.3	13
3555	Printing trades machinery . . . . .	3.8	13	3.9	13	4.5	13
356	General industrial machinery . . . . .	39.4	15	41.7	16	47.0	16
3561	Pumps and compressors . . . . .	8.9	13	9.1	13	9.8	13
3562	Ball and roller bearings . . . . .	10.8	21	11.7	22	14.5	23
3564	Blowers and fans . . . . .	5.7	19	6.1	19	6.4	20
3566	Power transmission equipment . . . . .	6.3	13	6.4	13	7.0	13
357	Office and computing machines . . . . .	68.5	26	73.1	27	82.5	28
3573	Electronic computing equipment . . . . .	44.2	25	47.5	26	53.5	28
358	Service industry machines . . . . .	22.7	17	23.1	17	24.1	17
3585	Refrigeration machinery . . . . .	13.1	15	13.1	15	13.9	15
359	Misc. machinery, except electrical . . . . .	29.5	15	29.8	14	35.2	15

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1971		October 1970		January 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Durable Goods--Continued</i>							
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES . . . . .</b>	684.6	38	724.6	39	775.6	40
361	Electrical test & distributing equipment . . . . .	62.9	30	66.8	31	69.8	35
3611	Electric measuring instruments . . . . .	26.9	41	28.3	42	30.8	43
3612	Transformers . . . . .	12.7	23	14.4	25	13.6	28
3613	Switchgear and switchboard apparatus . . . . .	23.3	27	24.1	28	25.4	31
362	Electrical industrial apparatus . . . . .	63.9	31	68.9	32	69.9	34
3621	Motors and generators . . . . .	33.7	31	36.5	32	35.0	34
3622	Industrial controls . . . . .	20.5	37	22.2	38	24.8	40
363	Household appliances . . . . .	43.7	26	49.0	26	41.2	25
3632	Household refrigerators and freezers . . . . .	9.5	19	10.1	17	8.6	17
3633	Household laundry equipment . . . . .	4.8	17	5.0	17	3.6	16
3634	Electric housewares and fans . . . . .	19.7	47	24.2	51	20.0	49
364	Electric lighting and wiring equipment . . . . .	84.2	43	87.5	44	84.1	42
3641	Electric lamps . . . . .	29.6	64	30.0	64	20.9	63
3642	Lighting fixtures . . . . .	20.6	33	21.4	35	22.3	33
3643,4	Wiring devices . . . . .	34.0	39	36.1	40	40.9	42
365	Radio and TV receiving equipment . . . . .	70.5	53	74.4	56	72.2	53
366	Communication equipment . . . . .	163.0	36	170.8	36	189.6	36
3661	Telephone and telegraph apparatus . . . . .	77.3	47	77.8	47	76.0	47
3662	Radio and TV communication equipment . . . . .	85.7	29	93.0	30	113.6	31
367	Electronic components and accessories . . . . .	161.1	51	170.7	52	211.1	55
3671-3	Electron tubes . . . . .	27.7	45	28.1	45	29.9	47
3674,9	Other electronic components . . . . .	133.4	52	142.6	53	181.2	57
369	Misc. electrical equipment & supplies . . . . .	35.3	31	36.5	34	37.7	31
3694	Engine electrical equipment . . . . .	19.1	32	18.1	35	21.2	32
37	<b>TRANSPORTATION EQUIPMENT . . . . .</b>	185.0	10	176.5	11	213.0	11
371	Motor vehicles and equipment . . . . .	74.8	8	59.4	10	76.9	9
3711	Motor vehicles . . . . .	26.3	7	20.8	9	25.8	6
3712	Passenger car bodies . . . . .	2.4	4	1.3	7	2.0	4
3713	Truck and bus bodies . . . . .	2.7	7	2.4	7	2.7	7
3714	Motor vehicle parts and accessories . . . . .	42.2	11	33.6	12	44.9	12
3715	Truck trailers . . . . .	1.2	6	1.3	6	1.5	5
372	Aircraft and parts . . . . .	84.8	14	89.6	14	110.6	14
3721	Aircraft . . . . .	48.1	14	50.8	14	65.2	15
3722	Aircraft engines and engine parts . . . . .	21.9	13	22.9	13	25.5	14
3723,9	Other aircraft parts and equipment . . . . .	14.8	14	15.9	14	19.9	15
373	Ship and boat building and repairing . . . . .	8.8	5	8.8	5	9.4	5
3731	Ship building and repairing . . . . .	5.4	4	5.5	4	5.7	4
3732	Boat building and repairing . . . . .	3.4	10	3.3	11	3.7	8
374	Railroad equipment . . . . .	3.7	7	3.8	8	2.9	6
375,9	Other transportation equipment . . . . .	12.9	13	14.9	14	13.2	13
38	<b>INSTRUMENTS AND RELATED PRODUCTS . . . . .</b>	156.9	36	161.9	36	174.0	37
381	Engineering & scientific instruments . . . . .	14.7	24	15.5	24	18.6	25
382	Mechanical measuring & control devices . . . . .	35.7	35	37.2	36	41.9	36
3821	Mechanical measuring devices . . . . .	18.7	30	19.8	30	22.4	31
3822	Automatic temperature controls . . . . .	17.0	45	17.4	45	19.5	45
383,5	Optical and ophthalmic goods . . . . .	20.7	41	21.9	41	22.6	41
385	Ophthalmic goods . . . . .	16.4	47	17.2	48	17.3	48
384	Medical instruments and supplies . . . . .	41.7	49	41.5	49	42.3	50
386	Photographic equipment and supplies . . . . .	25.8	24	26.8	25	28.6	25
387	Watches, clocks, and watchcases . . . . .	18.3	60	19.0	61	20.0	62
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES . . . . .</b>	165.6	42	195.4	45	181.6	43
391	Jewelry, silverware, and plated ware . . . . .	19.4	40	20.4	40	21.6	41
394	Toys and sporting goods . . . . .	47.7	48	66.4	53	54.0	51
3941-3	Games, toys, dolls, & play vehicles . . . . .	26.0	51	44.3	58	30.7	56
3949	Sporting and athletic goods, n e c . . . . .	21.7	45	22.1	45	23.3	45
395	Pens, pencils, office and art supplies . . . . .	16.5	51	18.3	53	18.9	54
396	Costume jewelry and notions . . . . .	28.5	53	33.1	56	31.7	55
393,9	Other manufacturing industries . . . . .	53.5	34	57.2	35	55.4	33
393	Musical instruments and parts . . . . .	7.7	37	8.0	38	8.5	35
<i>Nondurable Goods</i>							
20	<b>FOOD AND KINDRED PRODUCTS . . . . .</b>	422.0	25	491.6	27	438.7	25
201	Meat products . . . . .	94.7	28	101.6	29	93.5	28
2011	Meat packing plants . . . . .	25.4	14	25.6	14	25.6	14
2013	Sausages and other prepared meats . . . . .	17.3	28	17.4	29	17.4	29
2015	Poultry dressing plants . . . . .	52.0	54	58.6	54	50.5	55
202	Dairy products . . . . .	37.7	11	39.3	17	38.0	16
2024	Ice cream and frozen desserts . . . . .	4.8	22	5.2	22	4.8	22

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

SIC Code	Industry	January 1971		October 1970		January 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nonurable Goods--Continued</i>						
	<b>FOOD AND KINDRED PRODUCTS-- Continued</b>						
2026	Fluid milk . . . . .	23.0	14	23.6	14	23.3	14
203	Canned, cured, and frozen foods . . . . .	94.5	40	142.8	45	101.9	42
2031,6	Canned, cured, and frozen sea foods . . . . .	18.6	58	26.3	61	22.0	58
2032,3	Canned food, except sea foods . . . . .	31.9	30	62.2	39	34.2	32
2037	Frozen fruits and vegetables . . . . .	30.2	49	35.9	50	33.6	50
204	Grain mill products . . . . .	19.5	14	19.9	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 . . . . .	8.9	14	8.6	13	8.5	13
205	Bakery products . . . . .	68.6	25	70.6	25	72.2	26
2051	Bread, cake, and related products . . . . .	47.0	21	48.5	21	49.0	21
2052	Cookies and crackers . . . . .	21.6	46	22.1	47	23.2	48
206	Sugar . . . . .	3.4	8	4.9	10	3.5	8
207	Confectionery and related products . . . . .	38.7	48	42.9	50	44.0	50
2071	Confectionery products . . . . .	32.4	51	36.7	52	37.5	53
208	Beverages . . . . .	29.6	13	33.2	13	29.4	13
2082	Malt liquors . . . . .	3.7	7	3.8	6	3.8	7
2086	Bottled and canned soft drinks . . . . .	12.4	9	12.8	10	12.7	10
209	Misc. foods and kindred products . . . . .	35.3	25	36.4	25	37.0	25
21	<b>TOBACCO MANUFACTURES . . . . .</b>	33.1	44	42.4	48	36.2	45
211	Cigarettes . . . . .	14.0	35	14.6	35	14.6	36
212	Cigars . . . . .	11.0	69	11.8	70	12.6	70
22	<b>TEXTILE MILL PRODUCTS . . . . .</b>	425.5	45	437.0	46	451.3	46
221	Weaving mills, cotton . . . . .	90.3	41	90.8	41	92.2	41
222	Weaving mills, synthetics . . . . .	33.7	36	34.4	36	37.3	37
223	Weaving and finishing mills, wool . . . . .	11.8	36	12.5	36	15.1	37
224	Narrow fabric mills . . . . .	17.3	59	17.1	59	18.8	59
225	Knitting mills . . . . .	148.6	67	158.3	68	160.2	68
2251	Women's hosiery, except socks . . . . .	42.5	77	47.0	78	52.6	79
2252	Hosiery, n e c . . . . .	24.4	72	25.7	73	26.0	73
2253	Knit outerwear mills . . . . .	47.0	72	50.9	73	45.3	71
2254	Knit underwear mills . . . . .	20.3	71	20.2	70	22.1	71
226	Textile finishing, except wool . . . . .	21.9	26	22.2	27	22.0	26
227	Floor covering mills . . . . .	19.4	35	19.7	35	20.4	35
228	Yarn and thread mills . . . . .	62.6	47	61.8	47	62.5	47
229	Miscellaneous textile goods . . . . .	19.9	28	20.2	28	22.8	29
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS . . . . .</b>	1,097.1	81	1,117.2	81	1,121.4	81
231	Men's and boys' suits and coats . . . . .	86.8	74	87.5	73	95.9	72
232	Men's and boys' furnishings . . . . .	317.1	84	320.1	84	311.2	84
2321	Men's and boys' shirts and nightwear . . . . .	103.7	88	107.0	88	102.8	87
2327	Men's and boys' separate trousers . . . . .	66.4	81	66.3	82	65.5	82
2328	Men's and boys' work clothing . . . . .	73.3	83	71.3	83	70.8	83
233	Women's and misses' outerwear . . . . .	367.7	85	368.1	85	369.3	85
2331	Women's and misses' blouses and waists . . . . .	45.9	88	46.4	89	45.8	88
2335	Women's and misses' dresses . . . . .	181.0	87	177.4	87	179.0	87
2337	Women's and misses' suits and coats . . . . .	57.7	77	64.9	77	64.2	76
2339	Women's and misses' outerwear, n e c . . . . .	83.1	86	79.4	86	80.3	86
234	Women's and children's undergarments . . . . .	98.5	87	104.2	87	103.3	87
2341	Women's and children's underwear . . . . .	70.4	88	74.8	88	72.1	87
2342	Corsets and allied garments . . . . .	28.1	85	29.4	85	31.2	85
235	Hats, caps, and millinery . . . . .	12.1	71	12.7	71	13.7	71
236	Children's outerwear . . . . .	65.1	87	64.8	87	65.6	87
2361	Children's dresses and blouses . . . . .	28.4	89	28.2	89	29.8	90
237,8	Fur goods and miscellaneous apparel . . . . .	49.2	74	55.4	73	53.7	75
239	Misc. fabricated textile products . . . . .	100.6	64	104.4	65	108.7	66
2391,2	Housefurnishings . . . . .	45.2	72	49.1	73	47.7	73
26	<b>PAPER AND ALLIED PRODUCTS . . . . .</b>	143.0	21	147.8	21	151.7	21
261,2,6	Paper and pulp mills . . . . .	23.4	11	23.8	11	24.7	11
263	Paperboard mills . . . . .	5.6	8	5.6	8	5.6	8
264	Misc. converted paper products . . . . .	63.6	34	64.9	35	66.1	35
2643	Bags, except textile bags . . . . .	13.4	32	13.9	32	14.8	34
265	Paperboard containers and boxes . . . . .	50.4	23	53.5	24	55.3	24
2651,2	Folding and setup paperboard boxes . . . . .	21.9	33	24.1	35	24.1	35
2653	Corrugated and solid fiber boxes . . . . .	14.6	14	15.3	14	16.2	15
2654	Sanitary food containers . . . . .	9.3	32	9.4	32	9.7	33

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1971		October 1970		January 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Nondurable Goods--Continued</i>							
27	<b>PRINTING AND PUBLISHING</b> . . . . .	353.0	32	357.9	32	357.3	32
271	Newspapers . . . . .	97.9	26	98.0	26	96.5	26
272	Periodicals . . . . .	35.8	48	36.0	48	35.9	48
273	Books . . . . .	47.6	48	46.1	47	47.4	48
275	Commercial printing . . . . .	94.5	27	97.9	27	96.9	27
2751	Commercial printing, ex. lithographic . . . . .	57.5	27	60.7	28	59.1	27
2752	Commercial printing, lithographic . . . . .	33.1	26	33.5	26	34.0	27
278	Blankbooks and bookbinding . . . . .	28.6	50	29.0	51	30.3	51
274,6,7,9	Other publishing & printing ind. . . . .	48.6	35	50.9	35	49.8	34
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> . . . . .	208.1	20	213.2	20	217.7	21
281	Industrial chemicals . . . . .	34.2	11	34.8	11	35.2	11
2812	Alkalies and chlorines . . . . .	1.7	8	1.7	8	1.8	8
2818	Industrial organic chemicals, n e c . . . . .	16.3	13	17.0	13	17.5	13
2819	Industrial inorganic chemicals, n e c . . . . .	10.1	10	10.1	10	9.8	10
282	Plastics materials and synthetics . . . . .	36.3	17	35.5	16	38.3	17
2821	Plastics materials and resins . . . . .	8.5	9	8.6	9	9.1	9
2823,4	Synthetic fibers . . . . .	26.7	24	25.8	23	28.1	24
283	Drugs . . . . .	58.3	38	58.0	39	58.3	40
2834	Pharmaceutical preparations . . . . .	47.7	41	47.8	41	48.6	43
284	Soap, cleaners, and toilet goods . . . . .	43.2	36	47.2	37	45.8	38
2841	Soap and other detergents . . . . .	8.9	22	9.5	23	9.0	22
2844	Toilet preparations . . . . .	24.5	52	27.7	54	26.8	54
285	Paints and allied products . . . . .	10.9	16	11.1	16	11.0	16
287	Agricultural chemicals . . . . .	6.1	11	5.9	11	5.8	10
2871,2	Fertilizers, complete & mixing only . . . . .	3.1	8	3.1	8	3.2	8
286,9	Other chemical products . . . . .	19.1	19	20.7	20	23.3	21
2892	Explosives . . . . .	6.3	22	7.2	23	9.5	24
29	<b>PETROLEUM AND COAL PRODUCTS</b> . . . . .	17.5	9	17.9	9	17.5	9
291	Petroleum refining . . . . .	13.4	9	13.6	9	13.3	9
295,9	Other petroleum and coal products . . . . .	4.1	11	4.3	11	4.2	12
30	<b>RUBBER AND PLASTICS PRODUCTS, NEC</b> . . . . .	171.9	31	181.5	32	190.2	32
301	Tires and inner tubes . . . . .	10.7	9	10.7	10	13.1	11
302,3,6	Other rubber products . . . . .	56.0	34	55.7	34	59.9	34
302	Rubber footwear . . . . .	14.9	59	14.5	59	13.0	56
307	Miscellaneous plastics products . . . . .	105.2	39	115.1	40	117.2	40
31	<b>LEATHER AND LEATHER PRODUCTS</b> . . . . .	183.6	58	185.9	58	193.9	58
311	Leather tanning and finishing . . . . .	3.5	13	3.7	14	3.9	14
314	Footwear, except rubber . . . . .	135.5	64	134.2	63	141.9	63
312,3,5,7,9	Other leather products . . . . .	44.6	57	48.0	58	48.1	57
316	Luggage . . . . .	7.8	48	9.0	50	10.2	51
317	Handbags and personal leather goods . . . . .	24.3	67	25.4	69	23.7	68
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> . . . . .	936	21	953	21	925	21
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> . . . . .	33.0	11	31.9	11	32.0	11
411	Local and suburban transportation . . . . .	4.7	6	4.7	6	4.9	6
412	Taxicabs . . . . .	5.2	5	5.1	5	5.7	5
413	Intercity highway transportation . . . . .	4.1	10	4.2	10	4.2	10
42	<b>TRUCKING AND WAREHOUSING</b> . . . . .	99.5	9	100.9	9	97.0	9
421,3	Trucking and trucking terminals . . . . .	87.7	9	88.4	9	85.6	9
422	Public warehousing . . . . .	11.8	13	12.5	13	11.4	13
45	<b>TRANSPORTATION BY AIR</b> . . . . .	84.3	25	87.6	26	89.6	25
451,2	Air transportation . . . . .	81.4	27	84.8	27	86.8	27
46	<b>PIPE LINE TRANSPORTATION</b> . . . . .	1.4	8	1.4	8	1.5	9
44	<b>WATER TRANSPORTATION</b> . . . . .	15.0	8	15.7	7	15.8	7
47	<b>TRANSPORTATION SERVICES</b> . . . . .	22.4	22	23.2	22	23.0	22
48	<b>COMMUNICATION</b> . . . . .	547.7	49	558.6	49	533.0	49
481	Telephone communication . . . . .	499.5	54	511.4	55	486.7	54
483	Radio and television broadcasting . . . . .	33.2	24	32.3	23	32.1	24
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> . . . . .	103.2	15	103.3	15	101.9	15
491	Electric companies and systems . . . . .	42.2	15	42.5	15	42.0	15
492	Gas companies and systems . . . . .	27.3	17	27.4	17	27.4	17



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

SIC Code	Industry	January 1971		October 1970		January 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	<b>ELECTRIC, GAS, AND SANITARY SERVICES--Cont'd</b>						
493	Combination companies and systems . . . . .	26.6	14	26.5	14	25.9	14
494-7	Water, steam, & sanitary systems . . . . .	7.1	13	6.9	13	6.6	13
	<b>WHOLESALE AND RETAIL TRADE . . . . .</b>						
		5,905	40	5,984	40	5,836	40
	<b>WHOLESALE TRADE . . . . .</b>						
50	Motor vehicles & automotive equipment . . . . .	884	23	906	23	874	23
501	Drugs, chemicals, and allied products . . . . .	64.2	19	65.5	20	61.6	19
502	Dry goods and apparel . . . . .	84.4	35	83.9	35	79.5	35
503	Groceries and related products . . . . .	70.1	47	70.9	47	69.7	47
504	Electrical goods . . . . .	118.0	22	125.9	22	118.3	22
506	Hardware; plumbing & heating equipment . . . . .	83.8	24	82.2	24	76.9	25
507	Machinery, equipment, and supplies . . . . .	40.2	23	40.4	23	39.2	23
508	Miscellaneous wholesalers . . . . .	131.8	18	134.6	18	136.6	18
509		272.8	22	277.1	22	273.7	22
	<b>RETAIL TRADE . . . . .</b>						
52-59		5,021	45	5,078	46	4,962	45
53	<b>RETAIL GENERAL MERCHANDISE . . . . .</b>	1,657.2	70	1,629.6	70	1,613.5	69
531	Department stores . . . . .	1,090.8	70	1,058.3	69	1,068.6	69
532	Mail order houses . . . . .	78.3	62	82.8	62	82.3	60
533	Variety stores . . . . .	264.4	80	267.4	80	250.7	77
54	<b>FOOD STORES . . . . .</b>	621.2	35	619.9	35	602.7	35
541-3	Grocery, meat, and vegetables stores . . . . .	520.1	33	517.6	33	505.3	33
56	<b>APPAREL AND ACCESSORY STORES . . . . .</b>	476.1	65	468.0	66	477.3	66
561	Men's & boys' clothing & furnishings . . . . .	56.7	41	53.6	42	56.0	41
562	Women's ready-to-wear stores . . . . .	238.7	88	234.8	88	238.5	88
565	Family clothing stores . . . . .	71.1	68	70.0	70	74.8	70
566	Shoe stores . . . . .	53.1	37	52.4	39	51.8	38
57	<b>FURNITURE AND HOME FURNISHINGS STORES . . . . .</b>	137.5	30	135.4	30	139.0	30
571	Furniture and home furnishings . . . . .	90.2	31	89.2	31	90.0	31
58	<b>EATING AND DRINKING PLACES . . . . .</b>	1,285.0	55	1,383.7	56	1,306.5	57
52,55,59	<b>OTHER RETAIL TRADE . . . . .</b>	843.9	25	841.5	25	823.0	24
52	Building materials and farm equipment . . . . .	93.1	17	93.8	17	89.4	17
55	Automotive dealers & service stations . . . . .	186.7	12	188.4	12	186.5	12
551,2	Motor vehicle dealers . . . . .	83.9	11	85.7	11	87.8	11
553,9	Other automotive & accessory dealers . . . . .	32.8	14	33.1	14	31.5	14
59	Miscellaneous retail stores . . . . .	564.1	45	559.3	45	547.1	45
591	Drug stores and proprietary stores . . . . .	271.3	61	269.6	61	266.7	60
594	Book and stationery stores . . . . .	31.3	46	30.4	45	30.5	45
596	Farm and garden supply stores . . . . .	22.9	21	22.6	21	20.7	20
598	Fuel and ice dealers . . . . .	19.3	17	17.7	17	19.9	17
	<b>FINANCE, INSURANCE, AND REAL ESTATE . . . . .</b>						
		1,933	52	1,924	52	1,875	52
60	Banking . . . . .	677.9	64	670.1	64	646.9	63
61	Credit agencies other than banks . . . . .	210.7	56	205.6	56	203.9	55
612	Savings and loan associations . . . . .	76.1	67	74.0	67	70.2	66
614	Personal credit institutions . . . . .	94.0	48	92.3	48	95.6	49
62	Security, commodity brokers & services . . . . .	64.1	34	63.7	34	74.8	35
63	Insurance carriers . . . . .	553.8	52	553.6	52	531.9	52
631	Life insurance . . . . .	248.9	44	247.7	44	236.2	44
632	Accident and health insurance . . . . .	69.0	71	68.3	71	64.9	72
633	Fire, marine, and casualty insurance . . . . .	209.3	57	211.5	57	205.5	57
64	Insurance agents, brokers, and service . . . . .	157.2	57	159.6	57	153.6	57
65	Real estate . . . . .	226.0	35	228.5	35	222.5	36
655	Subdividers and developers . . . . .	17.4	22	18.4	21	18.1	24
656	Operative builders . . . . .	7.3	19	7.4	18	7.2	17
66,67	Other finance, insurance, & real estate . . . . .	42.8	50	42.7	50	41.2	51
	<b>SERVICES . . . . .</b>						
		6,284	54	6,330	54	6,122	54
	<b>Hotels and other lodging places:</b>						
701	Hotels, tourist courts, and motels . . . . .	316.1	51	335.6	52	320.1	50
72	Personal services . . . . .	588.1	61	611.2	62	621.0	62
721	Laundries and dry cleaning plants . . . . .	317.4	65	330.0	66	342.8	66
722	Photographic studios . . . . .	22.1	59	27.1	62	22.4	58

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1971		October 1970		January 1970	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	<b>SERVICES - Continued</b>						
73	Miscellaneous business services . . . . .	517.8	33	526.8	33	532.2	34
731	Advertising . . . . .	49.9	42	51.0	42	52.0	43
732	Credit reporting and collection . . . . .	53.9	70	56.2	71	55.8	72
734	Services to buildings . . . . .	96.8	33	97.0	32	90.6	33
76	Miscellaneous repair services . . . . .	26.1	15	26.4	15	26.8	15
78	Motion pictures . . . . .	65.0	36	67.6	35	64.1	34
781	Motion picture filming & distributing . . . . .	14.3	32	14.7	30	16.1	30
782,3	Motion picture theaters and services . . . . .	50.7	37	52.9	37	48.0	36
80	Medical and other health services . . . . .	2,568.4	81	2,545.6	81	2,412.7	81
806	Hospitals . . . . .	1,565.3	81	1,553.7	81	1,485.6	81
81	Legal services . . . . .	152.0	63	150.3	62	144.3	63
82	Educational services . . . . .	564.6	47	568.9	47	555.6	48
821	Elementary and secondary schools . . . . .	249.8	60	246.6	60	244.6	61
822	Colleges and universities . . . . .	267.9	40	275.2	40	266.7	40
89	Miscellaneous services . . . . .	156.9	24	152.6	24	156.4	24
891	Engineering & architectural services . . . . .	44.6	15	44.1	15	46.2	15
892	Nonprofit research agencies . . . . .	31.7	30	31.5	30	31.9	30
-	<b>GOVERNMENT . . . . .</b>	5,593	43	5,521	43	5,347	43
91	<b>FEDERAL GOVERNMENT . . . . .</b>	700	27	696	26	709	26
92,93	<b>STATE AND LOCAL GOVERNMENT . . . . .</b>	4,893	48	4,825	47	4,639	48
92	State government . . . . .	1,136.8	41	1,136.3	41	1,087.2	41
	State education . . . . .	472.2	40	472.5	40	441.2	40
	Other State government . . . . .	664.6	42	663.8	42	646.0	43
93	Local government . . . . .	3,756.5	50	3,689.1	50	3,551.8	50
	Local education . . . . .	2,720.3	63	2,655.5	63	2,568.5	63
	Other local government . . . . .	1,036.2	33	1,033.6	33	983.3	32

## 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: 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 -----	107.3	102.0	101.0	96.7	105.6	111.2	109.7	111.7	116.2	116.6	112.5	97.7	117.1
1971: Feb -----	107.2	101.6	99.7	96.3	106.1	111.3	109.8	111.8	116.1	116.7	112.7	97.8	117.4
1971: Mar -----	107.3	101.5	101.6	96.1	106.0	111.3	110.2	111.7	116.4	116.9	113.0	97.7	117.8
1971: Apr -----	107.4	101.3	103.1	95.9	105.2	111.3	110.0	111.7	117.2	116.8	113.6	98.1	118.5

p=preliminary.

NOTE: Data include Alaska and Hawaii beginning 1969. 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	(In thousands)												
	1971				1970								
	Apr. <sup>P</sup>	Mar. <sup>P</sup>	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>TOTAL</b> .....	70,719	70,662	70,590	70,652	70,303	70,085	70,182	70,531	70,414	70,587	70,629	70,839	71,149
<b>GOODS-PRODUCING</b> .....	22,573	22,559	22,549	22,673	22,786	22,466	22,583	23,168	23,195	23,334	23,421	23,543	23,843
<b>MINING</b> .....	621	622	623	625	625	625	621	621	619	618	620	620	622
<b>CONTRACT CONSTRUCTION</b> .....	3,307	3,258	3,198	3,241	3,319	3,303	3,278	3,262	3,305	3,314	3,324	3,351	3,426
<b>MANUFACTURING</b> .....	18,645	18,679	18,728	18,807	18,842	18,538	18,684	19,285	19,271	19,402	19,477	19,572	19,795
<b>DURABLE GOODS</b> .....	10,582	10,618	10,662	10,717	10,756	10,455	10,602	11,145	11,134	11,217	11,286	11,386	11,529
Ordnance and accessories .....	199	202	206	214	218	223	228	237	240	243	250	256	261
Lumber and wood products .....	579	577	576	572	569	571	574	575	570	570	575	582	585
Furniture and fixtures .....	453	452	449	451	450	453	454	457	453	454	453	456	468
Stone, clay, and glass products .....	623	623	627	625	628	624	630	635	631	628	636	638	644
Primary metal industries .....	1,249	1,253	1,255	1,255	1,256	1,249	1,273	1,315	1,298	1,301	1,305	1,309	1,323
Fabricated metal products .....	1,334	1,311	1,337	1,337	1,344	1,311	1,331	1,395	1,387	1,387	1,388	1,394	1,411
Machinery, except electrical .....	1,783	1,797	1,805	1,818	1,846	1,855	1,878	1,926	1,939	1,969	1,982	2,004	2,032
Electrical equipment .....	1,775	1,794	1,786	1,794	1,808	1,803	1,841	1,896	1,903	1,934	1,936	1,956	1,979
Transportation equipment .....	1,749	1,769	1,776	1,802	1,785	1,515	1,534	1,839	1,841	1,853	1,876	1,897	1,925
Instruments and related products .....	429	429	432	437	439	442	447	452	453	458	461	468	471
Miscellaneous manufacturing .....	409	411	413	412	413	409	412	418	419	420	424	426	430
<b>NONDURABLE GOODS</b> .....	8,063	8,061	8,066	8,090	8,086	8,083	8,082	8,140	8,137	8,185	8,191	8,186	8,266
Food and kindred products .....	1,770	1,777	1,784	1,783	1,780	1,779	1,769	1,779	1,784	1,789	1,800	1,805	1,805
Tobacco manufactures .....	74	74	76	75	75	77	76	76	82	81	81	81	81
Textile mill products .....	944	941	946	952	949	945	948	955	954	955	959	971	979
Apparel and other textile products .....	1,396	1,384	1,371	1,381	1,378	1,372	1,367	1,380	1,376	1,393	1,385	1,375	1,394
Paper and allied products .....	691	694	695	698	699	700	698	706	703	706	711	714	721
Printing and publishing .....	1,089	1,093	1,096	1,099	1,100	1,100	1,102	1,105	1,103	1,105	1,103	1,108	1,111
Chemicals and allied products .....	1,028	1,030	1,036	1,040	1,042	1,045	1,052	1,056	1,053	1,054	1,055	1,060	1,063
Petroleum and coal products .....	192	192	192	193	192	191	190	190	191	191	193	192	193
Rubber and plastics products, nec .....	559	560	555	550	553	554	557	569	567	578	570	548	585
Leather and leather products .....	320	316	315	319	318	320	323	324	324	333	334	332	334
<b>SERVICE-PRODUCING</b> .....	48,146	48,103	48,041	47,979	47,517	47,619	47,599	47,363	47,219	47,253	47,208	47,296	47,306
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,481	4,517	4,521	4,499	4,437	4,493	4,509	4,511	4,520	4,539	4,511	4,478	4,468
<b>WHOLESALE AND RETAIL TRADE</b> .....	15,143	15,142	15,141	15,133	14,851	14,945	15,011	14,961	14,912	14,933	14,927	14,968	14,991
<b>WHOLESALE TRADE</b> .....	3,878	3,883	3,871	3,868	3,855	3,851	3,857	3,850	3,840	3,856	3,849	3,859	3,853
<b>RETAIL TRADE</b> .....	11,265	11,259	11,270	11,265	10,996	11,094	11,154	11,111	11,072	11,077	11,078	11,109	11,138
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,779	3,753	3,745	3,746	3,723	3,711	3,696	3,684	3,670	3,676	3,679	3,677	3,673
<b>SERVICES</b> .....	11,791	11,807	11,785	11,778	11,727	11,695	11,665	11,622	11,521	11,514	11,532	11,572	11,564
Hotels and other lodging places .....	-	761	759	765	763	743	746	754	715	722	749	764	768
Personal services .....	-	966	968	974	974	984	987	988	983	989	1,000	1,005	1,006
Medical and other health services .....	-	3,218	3,201	3,192	3,174	3,158	3,144	3,129	3,102	3,086	3,070	3,058	3,034
Educational services .....	-	1,186	1,171	1,153	1,167	1,159	1,160	1,143	1,143	1,147	1,145	1,146	1,151
<b>GOVERNMENT</b> .....	12,952	12,884	12,849	12,823	12,779	12,775	12,718	12,585	12,596	12,591	12,559	12,601	12,610
<b>FEDERAL</b> .....	2,668	2,657	2,659	2,656	2,650	2,661	2,654	2,649	2,659	2,668	2,689	2,768	2,838
<b>STATE AND LOCAL</b> .....	10,284	10,227	10,190	10,167	10,129	10,114	10,064	9,936	9,937	9,923	9,870	9,833	9,772

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								
	Apr. <sup>P</sup>	Mar. <sup>P</sup>	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>TOTAL</b> .....	16,722	16,670	16,658	16,754	16,848	16,514	16,604	17,179	17,201	17,327	17,382	17,447	17,734
<b>MINING</b> .....	469	471	473	475	473	475	472	471	469	469	471	470	474
<b>CONTRACT CONSTRUCTION</b> .....	2,750	2,697	2,642	2,684	2,765	2,750	2,727	2,708	2,758	2,768	2,771	2,797	2,871
<b>MANUFACTURING</b> .....	13,503	13,502	13,543	13,595	13,610	13,289	13,405	14,000	13,974	14,090	14,140	14,180	14,389
<b>DURABLE GOODS</b> .....	7,592	7,598	7,642	7,679	7,700	7,386	7,504	8,039	8,019	8,082	8,134	8,186	8,318
Ordnance and accessories .....	101	103	106	110	114	118	122	128	129	131	137	141	143
Lumber and wood products .....	500	496	496	492	488	492	495	495	491	491	495	501	504
Furniture and fixtures .....	372	371	370	371	370	373	374	377	372	373	372	375	386
Stone, clay, and glass products .....	493	492	496	496	499	495	500	505	500	499	505	506	512
Primary metal industries .....	988	993	992	992	990	981	1,005	1,047	1,031	1,033	1,034	1,037	1,049
Fabricated metal products .....	1,010	989	1,013	1,014	1,021	985	1,002	1,067	1,060	1,058	1,057	1,060	1,079
Machinery, except electrical .....	1,162	1,172	1,179	1,190	1,209	1,218	1,233	1,281	1,288	1,316	1,321	1,340	1,366
Electrical equipment and supplies .....	1,170	1,183	1,175	1,181	1,188	1,181	1,213	1,258	1,266	1,289	1,297	1,294	1,313
Transportation equipment .....	1,224	1,228	1,239	1,254	1,239	967	977	1,286	1,285	1,290	1,309	1,317	1,345
Instruments and related products .....	256	255	258	261	262	264	267	273	274	278	280	286	289
Miscellaneous manufacturing industries .....	316	316	318	318	320	312	316	322	323	324	327	329	332
<b>NONDURABLE GOODS</b> .....	5,911	5,904	5,901	5,916	5,910	5,903	5,901	5,961	5,955	6,008	6,006	5,994	6,071
Food and kindred products .....	1,193	1,199	1,202	1,199	1,197	1,194	1,184	1,193	1,198	1,203	1,214	1,216	1,217
Tobacco manufactures .....	61	61	63	63	62	64	63	63	69	67	67	68	67
Textile mill products .....	829	825	830	835	831	828	830	839	837	839	842	852	860
Apparel and other textile products .....	1,224	1,212	1,199	1,208	1,207	1,200	1,196	1,210	1,206	1,223	1,214	1,206	1,221
Paper and allied products .....	529	531	532	535	536	538	535	543	540	544	549	551	556
Printing and publishing .....	668	670	672	673	677	675	676	680	676	680	679	681	687
Chemicals and allied products .....	589	590	593	595	595	597	603	606	602	605	603	606	610
Petroleum and coal products .....	117	117	117	117	116	116	116	115	117	118	118	118	118
Rubber and plastics products, nec .....	429	430	424	420	419	419	423	436	433	444	434	412	450
Leather and leather products .....	272	268	269	271	270	272	275	276	277	285	286	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		
		Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970
1	ALABAMA	1,003.9	1,000.9	998.0	8.0	8.0	8.2	50.0	48.8	48.6	318.3	319.0	320.5
2	Birmingham	264.9	263.7	258.1	5.4	5.4	5.5	14.9	14.4	13.6	73.1	73.1	72.1
3	Huntsville	76.4	76.2	77.8	(1)	(1)	(1)	2.1	1.9	2.4	12.7	12.7	13.7
4	Mobile	103.1	103.9	101.2	(1)	(1)	(1)	6.6	6.7	6.5	23.4	23.8	21.9
5	Montgomery	68.4	68.5	67.7	(1)	(1)	(1)	4.5	4.4	4.6	10.2	10.1	10.4
6	Tuscaloosa	38.3	38.4	37.5	(1)	(1)	(1)	2.1	2.1	2.1	10.4	10.5	10.2
7	ALASKA	85.9	84.2	85.7	2.3	2.3	3.3	4.3	3.9	5.5	5.3	4.7	5.8
8	ARIZONA	555.7	553.4	546.5	21.2	21.2	20.0	38.7	37.7	37.4	84.3	84.0	94.4
9	Phoenix	330.5	328.9	329.1	.2	.2	.2	21.5	20.8	21.8	64.3	64.0	74.4
10	Tucson	110.9	110.0	105.3	7.0	7.0	6.3	10.2	9.9	9.5	9.4	9.4	9.4
11	ARKANSAS	529.1	524.1	524.5	4.6	4.5	4.2	24.1	22.9	22.2	162.9	162.1	166.8
12	Fayetteville	27.0	26.9	26.4	(1)	(1)	(1)	1.4	1.3	1.1	7.1	7.0	7.0
13	Fort Smith	45.7	44.6	46.3	.6	.5	.6	2.3	2.1	2.8	16.4	15.6	16.8
14	Little Rock-North Little Rock	120.3	119.8	120.8	(1)	(1)	(1)	5.4	5.3	5.6	26.7	26.8	28.1
15	Pine Bluff	23.7	23.7	24.2	(1)	(1)	(1)	.8	.8	.7	5.5	5.5	5.7
16	CALIFORNIA	6,897.1	6,883.0	6,960.7	29.3	29.7	31.5	278.9	275.9	294.6	1,452.5	1,460.7	1,599.1
17	Anaheim-Santa Ana-Garden Grove	426.6	426.1	420.6	1.7	1.7	1.8	23.0	22.9	22.3	115.0	115.4	126.4
18	Bakersfield	88.1	87.6	87.9	6.1	6.2	6.4	3.6	3.5	4.1	7.7	7.4	7.8
19	Fresno	115.8	114.9	113.1	.9	.9	.9	4.6	4.5	4.5	16.8	16.2	16.0
20	Los Angeles-Long Beach	2,842.1	2,847.0	2,904.4	10.8	10.9	11.4	102.0	100.3	109.7	750.1	762.2	845.1
21	Modesto-Turlock	51.6	51.5	51.6	.1	.1	.1	2.6	2.6	2.9	12.1	11.9	12.2
22	Oxnard-Ventura	94.6	93.9	93.7	1.8	1.8	1.9	4.6	4.6	4.6	12.8	12.8	14.1
23	Sacramento	262.0	259.8	258.6	.1	.1	.1	10.6	9.9	10.1	20.0	20.0	20.3
24	Salinas-Monterey	61.7	60.7	59.9	.5	.5	.5	2.3	2.3	2.1	7.0	6.4	7.0
25	San Bernardino-Riverside-Ontario	299.1	298.1	296.1	2.4	2.4	2.4	13.8	13.6	14.2	50.1	50.6	53.7
26	San Diego	386.0	385.1	385.4	.5	.5	.5	19.3	19.0	20.8	63.3	63.9	69.9
27	San Francisco-Oakland	1,254.8	1,251.3	1,259.6	1.8	1.8	1.8	58.5	57.7	60.4	192.7	194.1	206.3
28	San Jose	377.4	374.6	378.2	.1	.1	.2	15.7	15.2	16.0	117.5	116.1	126.2
29	Santa Barbara	81.8	81.3	82.2	1.0	1.0	1.0	2.9	2.9	3.5	10.1	9.9	11.1
30	Santa Rosa	50.2	49.8	49.1	.2	.2	.2	2.0	1.9	2.0	6.6	6.6	6.7
31	Stockton	86.5	85.9	85.1	.1	.1	.1	3.0	2.9	2.9	15.5	15.2	15.5
32	Vallejo-Napa	65.8	65.9	67.0	.1	.1	.1	2.1	2.0	1.9	6.2	6.2	6.4
33	COLORADO	746.0	744.5	727.9	13.5	13.6	13.9	38.6	38.3	36.5	114.1	114.2	117.0
34	Denver	485.0	484.9	472.0	4.8	4.8	5.2	28.4	28.1	24.7	83.9	84.0	84.8
35	CONNECTICUT	1,168.5	1,162.4	1,196.5	(3)	(3)	(3)	48.0	45.3	50.2	413.5	414.2	463.3
36	Bridgeport	145.2	145.5	152.9	(3)	(3)	(3)	5.5	5.3	5.3	63.5	64.5	73.4
37	Hartford	318.6	317.4	322.0	(3)	(3)	(3)	14.2	13.6	13.2	92.2	93.1	105.5
38	New Britain	44.0	44.0	46.9	(3)	(3)	(3)	1.4	1.4	1.4	22.3	22.5	25.5
39	New Haven	156.7	155.9	157.8	(3)	(3)	(3)	7.9	7.5	7.3	40.1	40.0	44.4
40	Stamford	81.3	80.8	81.2	(3)	(3)	(3)	3.6	3.4	3.6	26.7	26.7	28.0
41	Waterbury	74.9	74.7	78.4	(3)	(3)	(3)	3.1	3.1	3.3	34.0	34.0	37.7
42	DELAWARE <sup>2</sup>	208.8	208.2	212.6	(1)	(1)	(1)	11.5	11.1	13.0	69.7	70.3	72.9
43	Wilmington <sup>2</sup>	186.4	185.7	191.6	(1)	(1)	(1)	10.5	10.1	12.2	66.8	67.3	69.6
44	DISTRICT OF COLUMBIA <sup>2 4</sup>	689.0	686.6	679.8	(1)	(1)	(1)	19.8	19.3	19.1	18.2	18.4	18.8
45	Washington SMSA <sup>2</sup>	1,170.0	1,161.3	1,137.5	(1)	(1)	(1)	67.3	64.0	64.2	42.3	42.2	44.7
46	FLORIDA	2,216.0	2,218.8	2,181.6	8.5	8.4	8.3	167.6	166.4	174.6	320.8	325.4	331.6
47	Fort Lauderdale-Hollywood	178.3	177.8	184.8	(1)	(1)	(1)	19.7	19.5	27.0	18.6	18.8	21.3
48	Jacksonville	192.1	192.2	193.4	(1)	(1)	(1)	11.5	11.5	12.2	24.4	24.8	24.7
49	Miami	518.0	517.3	506.7	(1)	(1)	(1)	32.7	32.4	33.3	77.7	77.5	78.7
50	Orlando	(*)	149.1	138.3	(*)	(1)	(1)	(*)	17.2	13.2	(*)	21.2	21.3
51	Pensacola	66.5	66.2	67.6	(1)	(1)	(1)	5.2	5.0	5.1	14.1	14.2	14.4
52	Tampa-St. Petersburg	317.2	316.4	310.4	(1)	(1)	(1)	25.1	24.5	25.5	53.0	53.9	54.6
53	West Palm Beach	114.8	115.9	113.7	(1)	(1)	(1)	8.3	8.8	10.8	20.2	20.9	20.5
54	GEORGIA	1,544.8	1,541.8	1,544.3	7.0	7.0	7.1	76.0	73.3	77.1	449.9	452.6	468.9
55	Atlanta	611.5	609.9	608.4	(1)	(1)	(1)	32.0	31.1	32.8	115.0	116.0	124.2

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			
Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	
54.6	54.8	54.5	187.3	186.5	186.5	42.0	41.8	40.7	130.9	130.1	129.4	212.8	211.9	209.6	1
19.0	19.0	18.7	61.1	60.8	59.9	17.2	17.1	16.4	37.4	37.2	36.1	36.8	36.7	35.8	2
1.7	1.7	1.7	11.6	11.6	11.5	2.0	2.0	2.0	16.7	16.7	17.1	29.6	29.6	29.4	3
10.0	10.3	9.4	25.5	25.5	25.4	5.0	5.0	4.9	15.9	15.9	15.9	16.7	16.7	17.2	4
4.1	4.1	4.1	15.5	15.6	15.4	4.5	4.6	4.2	10.7	10.8	10.5	18.9	18.9	18.5	5
1.6	1.6	1.6	6.4	6.4	6.2	1.2	1.2	1.2	3.8	3.8	3.5	12.8	12.8	12.7	6
8.7	8.8	8.5	14.4	14.2	14.3	3.2	3.1	2.9	11.2	11.1	11.1	36.5	36.1	34.3	7
30.4	30.4	29.2	130.7	131.0	125.1	30.7	30.7	29.7	93.1	92.5	91.5	126.6	125.9	119.2	8
18.1	18.1	17.1	83.1	83.4	80.4	22.9	22.9	22.0	57.3	56.9	55.3	63.1	62.6	57.9	9
5.8	5.8	5.7	24.7	24.6	23.4	4.9	4.8	4.7	20.0	19.8	19.5	28.9	28.7	26.8	10
32.0	32.2	31.4	106.3	104.5	104.2	21.2	21.0	20.7	74.4	73.7	72.7	103.6	103.2	102.3	11
2.4	2.4	2.2	5.2	5.2	5.1	.5	.5	.6	3.5	3.5	3.3	6.9	7.0	7.1	12
2.7	2.7	2.7	9.3	9.3	9.3	1.4	1.4	1.4	6.9	6.9	6.7	6.1	6.1	6.0	13
9.4	9.4	9.5	27.0	26.8	26.6	8.6	8.6	8.6	18.5	18.4	18.4	24.7	24.5	24.0	14
3.2	3.2	3.1	4.6	4.6	4.7	.9	.9	.9	3.2	3.2	3.3	5.5	5.5	5.8	15
456.1	454.7	455.7	1,531.1	1,529.4	1,505.9	391.2	389.2	380.6	1,297.0	1,290.5	1,258.7	1,461.0	1,452.9	1,434.6	16
15.0	14.9	13.9	103.1	102.7	96.4	23.6	23.5	22.0	74.3	74.6	70.5	70.9	70.4	67.3	17
6.0	6.0	5.9	20.1	20.0	19.8	3.7	3.7	3.6	14.3	14.3	14.4	26.6	26.5	25.9	18
7.7	7.7	7.7	29.6	29.8	29.0	5.4	5.4	5.4	21.3	21.1	21.0	29.5	29.3	28.6	19
175.9	175.3	174.7	641.7	642.3	632.1	174.1	173.1	169.6	554.2	552.7	538.0	433.3	430.2	423.8	20
2.4	2.4	2.4	11.7	11.8	11.7	1.5	1.5	1.6	10.4	10.4	9.7	10.8	10.8	11.0	21
4.3	4.3	4.2	22.1	21.8	21.8	3.6	3.6	3.3	15.7	15.6	14.9	29.7	29.4	28.9	22
17.3	17.2	16.8	53.4	53.2	53.0	10.8	10.7	10.5	39.7	39.4	38.3	110.1	109.3	109.5	23
4.3	4.3	4.2	15.3	15.1	15.0	2.4	2.4	2.3	12.0	11.9	11.7	17.9	17.8	17.1	24
17.8	17.8	17.6	68.8	68.5	65.3	10.3	10.3	9.9	58.6	58.1	56.4	77.3	76.8	76.6	25
20.4	20.4	20.1	86.4	86.3	84.3	18.8	18.8	18.1	76.3	75.9	74.3	101.0	100.3	97.4	26
131.8	131.8	133.6	266.0	265.5	264.1	99.9	99.4	98.2	227.5	225.8	221.4	276.6	275.2	273.8	27
17.1	16.9	16.8	73.4	73.0	69.9	13.7	13.7	13.4	77.4	77.2	75.2	62.5	62.4	60.5	28
3.6	3.6	3.5	18.0	17.9	18.2	3.4	3.4	3.2	20.5	20.4	19.9	22.3	22.2	21.8	29
2.6	2.6	2.5	12.4	12.2	11.9	3.3	3.3	3.2	9.1	9.1	8.9	14.0	13.9	13.7	30
6.7	6.7	6.7	18.7	18.5	18.4	3.1	3.1	3.0	14.5	14.5	14.0	24.9	24.9	24.5	31
3.5	3.5	3.5	12.0	12.0	12.0	1.8	1.8	1.7	10.8	10.7	10.6	29.3	29.6	30.8	32
52.3	52.2	51.1	175.6	175.0	169.1	40.2	40.2	39.4	132.7	132.5	127.6	179.0	178.5	173.3	33
36.1	36.1	35.7	120.5	120.6	115.2	29.6	29.6	30.1	89.1	89.1	86.4	92.6	92.6	89.9	34
54.5	54.4	53.7	228.6	227.0	222.0	76.0	75.5	71.6	187.4	185.9	179.1	160.5	160.0	156.6	35
6.4	6.4	6.3	28.3	28.2	27.5	4.9	4.8	4.7	21.2	20.9	20.6	15.4	15.4	15.2	36
12.7	12.6	11.9	63.2	62.4	61.6	44.8	44.6	41.6	46.9	46.6	44.1	44.5	44.6	43.9	37
1.4	1.4	1.4	7.1	7.1	7.1	1.3	1.3	1.2	5.3	5.2	5.2	5.2	5.2	5.1	38
14.4	14.3	14.2	32.3	32.2	31.4	8.4	8.4	8.1	33.8	33.7	32.6	19.9	19.9	20.0	39
3.6	3.6	3.5	17.2	17.1	17.0	4.9	4.9	4.4	17.2	17.1	16.9	8.1	8.1	7.9	40
3.3	3.3	3.3	12.8	12.7	12.7	2.4	2.4	2.2	10.4	10.3	10.2	8.9	8.9	8.9	41
11.4	11.3	11.3	43.0	43.0	43.5	9.5	9.5	9.1	30.0	30.1	30.0	33.7	32.9	32.8	42
9.9	9.7	10.1	37.0	37.0	37.8	8.5	8.5	8.3	25.3	25.3	26.1	28.4	27.8	27.5	43
29.7	29.8	30.8	80.0	79.8	80.2	33.1	33.0	33.3	140.2	138.8	134.9	368.0	367.5	362.7	44
59.8	59.8	58.8	228.8	227.2	221.6	68.1	67.8	66.5	257.4	255.2	247.5	446.3	445.1	434.2	45
157.9	158.6	151.9	590.8	592.2	571.9	135.2	135.0	131.2	416.1	414.7	409.4	419.1	418.1	402.7	46
9.9	10.2	9.8	53.9	53.8	52.2	11.2	11.2	11.4	37.5	36.9	38.0	27.5	27.4	25.1	47
20.8	20.8	20.7	52.6	52.6	52.3	19.0	18.9	18.5	30.4	30.3	30.8	33.4	33.3	34.2	48
57.1	57.2	53.9	139.1	138.6	133.3	33.2	33.2	32.8	118.8	119.3	116.7	59.4	59.1	58.0	49
(*)	8.8	8.3	(*)	42.0	39.6	(*)	9.9	9.2	(*)	26.8	24.6	(*)	23.2	22.1	50
3.6	3.6	3.5	13.7	13.5	14.2	2.6	2.6	2.7	9.1	9.2	9.2	18.2	18.1	18.5	51
21.6	21.9	20.8	92.7	91.8	88.7	18.3	18.3	17.9	61.4	61.1	58.7	45.1	44.9	44.2	52
5.2	5.2	5.0	30.6	30.6	29.5	7.5	7.4	7.1	26.2	26.2	24.4	16.8	16.8	16.4	53
107.0	106.7	105.5	329.1	328.2	328.9	79.3	79.1	76.4	188.9	188.5	186.5	307.6	306.4	293.9	54
59.4	59.0	59.0	168.2	167.6	164.6	45.3	45.1	43.8	92.8	92.6	91.3	98.8	98.4	92.7	55

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

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1970
	<b>GEORGIA (continued)</b>												
1	Augusta .....	87.5	86.8	87.3	(1)	(1)	(1)	5.1	4.8	4.3	29.0	29.0	30.2
2	Columbus .....	68.5	67.9	69.5	(1)	(1)	(1)	3.3	3.4	4.2	18.5	18.4	19.2
3	Macon .....	77.4	76.7	78.5	(1)	(1)	(1)	3.4	3.1	4.9	13.9	13.9	14.5
4	Savannah .....	64.5	64.4	67.6	(1)	(1)	(1)	4.1	3.8	4.5	14.4	14.7	16.4
5	<b>HAWAII .....</b>	294.3	292.2	287.4	(1)	(1)	(1)	23.1	23.0	26.2	23.7	23.3	23.9
6	Honolulu .....	250.2	248.5	244.9	(1)	(1)	(1)	20.3	20.1	23.3	16.8	16.6	17.4
7	<b>IDAHO .....</b>	204.5	203.7	199.1	3.4	3.4	3.3	9.1	8.7	9.0	38.5	39.7	38.4
8	Boise .....	42.8	42.3	39.9	(1)	(1)	(1)	2.4	2.3	2.4	4.9	4.8	4.4
9	<b>ILLINOIS<sup>1 5</sup> .....</b>	4,248.9	4,241.8	4,307.7	22.3	22.1	22.3	161.0	153.5	169.4	1,277.5	1,285.5	1,362.6
10	Chicago .....	2,924.3	2,921.7	2,967.3	4.3	4.1	4.7	105.9	101.7	112.4	889.8	898.8	947.8
11	Chicago-Northwestern Indiana <sup>1</sup>	(*)	3,142.9	3,189.2	(*)	4.2	4.8	(*)	115.4	125.3	(*)	1,006.1	1,055.5
12	Davenport-Rock Island-Moline <sup>1</sup>	129.9	129.0	132.7	(3)	(3)	(3)	5.9	5.7	5.9	41.0	40.8	44.1
13	Peoria <sup>1</sup> .....	127.8	128.2	128.3	(3)	(3)	(3)	6.6	6.5	6.7	46.7	47.2	48.5
14	Rockford .....	103.4	102.0	111.1	(3)	(3)	(3)	3.5	3.3	3.9	47.7	47.5	56.1
15	<b>INDIANA .....</b>	1,805.4	1,795.4	1,848.4	6.9	6.5	6.7	62.3	61.0	74.8	688.3	686.9	728.3
16	Evansville .....	89.2	88.2	88.4	1.4	1.4	1.4	4.1	3.8	4.2	34.1	33.3	33.8
17	Fort Wayne .....	116.8	114.4	119.4	(1)	(1)	(1)	4.3	4.2	4.8	42.6	40.5	46.1
18	Gary-Hammond-East Chicago <sup>5</sup>	219.8	218.1	221.9	(1)	(1)	(1)	11.1	10.6	12.9	106.4	106.0	107.7
19	Indianapolis .....	406.8	408.7	415.5	(1)	(1)	(1)	15.8	15.5	17.2	120.2	123.0	131.1
20	Muncie .....	46.9	46.8	47.0	(1)	(1)	(1)	1.5	1.5	1.5	18.0	18.1	19.3
21	South Bend .....	90.1	89.9	93.7	(1)	(1)	(1)	3.2	3.2	3.5	29.5	29.6	33.1
22	Terre Haute .....	55.2	55.0	55.7	1.2	1.2	1.0	2.4	2.3	2.7	14.9	14.8	15.6
23	<b>IOWA .....</b>	865.8	858.4	873.5	2.7	2.5	2.7	33.9	32.4	34.8	200.9	200.9	219.1
24	Cedar Rapids .....	62.3	62.0	65.4	(1)	(1)	(1)	2.5	2.5	2.6	22.3	22.4	26.0
25	Des Moines .....	128.8	128.1	129.3	(1)	(1)	(1)	5.7	5.7	5.8	25.0	24.9	26.1
26	Dubuque .....	33.7	33.6	33.7	(1)	(1)	(1)	1.5	1.3	1.3	13.6	13.5	14.0
27	Sioux City .....	40.4	40.3	41.2	(1)	(1)	(1)	1.7	1.6	1.8	9.3	9.4	9.9
28	Waterloo .....	48.8	48.8	50.2	(1)	(1)	(1)	1.8	1.7	1.8	17.5	17.5	18.8
29	<b>KANSAS .....</b>	662.0	659.7	683.2	10.3	10.4	11.0	25.8	24.5	31.4	124.0	124.5	141.1
30	Topeka .....	62.4	62.0	63.1	.1	.1	.1	2.5	2.3	3.1	10.0	9.9	9.9
31	Wichita .....	130.3	130.5	143.0	2.3	2.4	2.7	5.2	4.8	6.3	33.7	34.1	42.5
32	<b>KENTUCKY<sup>2</sup> .....</b>	917.4	913.1	891.6	29.5	28.8	26.3	47.3	43.7	42.0	246.6	248.7	250.7
33	Lexington <sup>2</sup> .....	79.4	80.9	78.7	(1)	(1)	(1)	3.8	3.7	4.3	16.9	18.7	17.5
34	Louisville .....	324.8	324.1	328.6	(1)	(1)	(1)	15.2	13.5	14.4	106.5	108.4	119.3
35	<b>LOUISIANA .....</b>	1,046.3	1,046.0	1,035.5	50.6	50.6	51.1	75.0	75.2	71.2	170.2	170.6	174.0
36	Baton Rouge .....	104.9	105.4	103.3	.5	.5	.5	12.7	13.0	11.3	18.0	18.0	18.3
37	Lake Charles .....	41.9	41.6	41.2	1.4	1.4	1.4	5.5	5.1	5.5	9.1	9.3	9.0
38	Monroe .....	37.5	37.2	36.8	.4	.4	.4	3.0	2.8	2.7	6.4	6.4	6.6
39	New Orleans .....	373.4	373.6	372.5	13.2	13.3	14.6	23.7	23.8	20.9	51.2	52.5	53.6
40	Shreveport .....	93.1	92.9	90.5	3.7	3.7	3.7	5.7	5.7	5.8	16.4	15.3	15.8
41	<b>MAINE .....</b>	321.8	321.9	324.4	(1)	(1)	(1)	13.8	13.7	13.9	103.3	103.8	111.7
42	Lewiston-Auburn .....	27.5	27.7	28.6	(1)	(1)	(1)	1.4	1.4	1.5	11.9	12.1	13.2
43	Portland .....	64.1	64.2	62.9	(1)	(1)	(1)	2.9	3.1	3.0	13.1	13.1	14.5
44	<b>MARYLAND<sup>4</sup> .....</b>	1,295.0	1,286.7	1,286.0	1.9	1.9	1.7	81.5	76.3	80.5	253.1	256.5	275.7
45	Baltimore .....	799.0	796.7	803.1	.3	.3	.3	39.5	37.0	39.9	183.0	186.4	200.4
46	<b>MASSACHUSETTS .....</b>	2,183.5	2,172.1	2,228.6	(1)	(1)	(1)	80.6	77.5	83.1	598.4	599.6	662.7
47	Boston .....	1,265.5	1,260.3	1,281.1	(1)	(1)	(1)	44.4	42.9	45.1	262.2	262.3	288.4
48	Brockton .....	48.9	48.9	49.2	-	-	-	2.0	1.9	1.6	14.4	14.7	16.5
49	Fall River .....	46.5	46.0	47.7	(1)	(1)	(1)	(1)	(1)	(1)	22.3	22.1	23.4
50	Lawrence-Haverhill .....	79.1	78.7	80.5	(1)	(1)	(1)	1.7	1.7	1.5	35.2	35.1	38.2
51	Lowell .....	51.9	52.0	53.4	(1)	(1)	(1)	2.2	2.2	2.2	18.7	19.0	21.0
52	New Bedford .....	51.1	50.7	53.7	(1)	(1)	(1)	1.7	1.5	1.4	23.1	23.2	26.3
53	Springfield-Chicopee-Holyoke ..	187.3	186.8	192.8	(1)	(1)	(1)	7.2	6.9	6.9	62.3	62.9	69.4
54	Worcester .....	124.7	124.1	129.0	(1)	(1)	(1)	4.6	4.5	4.4	40.3	40.5	47.2

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			
Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970	
3.7	3.7	3.9	15.5	15.3	15.2	3.1	3.1	3.0	10.4	10.3	10.5	20.7	20.6	20.2	1
3.4	3.4	3.2	13.7	13.5	13.6	4.0	3.9	3.8	9.2	9.1	9.0	16.4	16.2	16.5	2
3.4	3.4	3.4	15.0	15.0	14.1	4.2	4.2	3.9	9.5	9.3	9.1	28.0	27.8	28.6	3
7.1	7.1	7.0	14.5	14.4	15.4	3.4	3.4	3.3	9.4	9.4	9.6	11.6	11.6	11.4	4
23.4	23.4	23.3	69.1	68.8	67.2	18.5	18.6	17.7	58.6	58.0	56.7	77.9	77.1	72.4	5
19.9	19.9	19.9	58.8	58.7	57.4	16.8	16.9	16.1	49.4	48.8	47.5	68.2	67.5	63.3	6
14.1	14.1	13.9	48.5	47.7	47.3	8.0	8.0	7.8	33.2	32.9	31.6	49.7	49.2	47.8	7
3.3	3.3	3.1	11.6	11.5	11.2	2.9	2.9	2.7	6.8	6.7	6.5	10.9	10.8	9.6	8
283.9	283.0	285.6	925.5	924.7	931.2	235.6	235.1	229.7	688.2	685.9	674.0	654.9	652.1	632.9	9
205.9	205.5	205.8	661.6	659.9	663.3	184.5	183.9	179.7	505.2	502.9	497.8	367.1	365.0	355.8	10
(*)	219.5	219.6	(*)	697.2	699.3	(*)	189.9	185.8	(*)	523.9	520.8	(*)	386.8	378.2	11
7.2	7.2	7.1	29.0	28.8	29.1	5.3	5.2	5.2	18.7	18.6	18.6	22.8	22.7	22.8	12
7.1	7.1	7.0	27.2	27.4	27.2	5.4	5.4	5.2	18.9	18.7	18.2	15.9	15.9	15.4	13
3.5	3.4	3.6	20.7	20.3	20.6	3.1	3.1	3.2	14.6	14.2	13.7	10.4	10.3	10.1	14
97.5	97.3	101.7	359.1	356.1	361.6	75.3	75.4	75.2	218.8	216.6	215.5	297.3	295.6	284.6	15
5.2	5.2	5.2	19.1	19.1	18.9	3.2	3.2	3.2	13.4	13.5	13.1	8.7	8.7	8.6	16
8.3	8.2	8.2	27.6	27.5	27.0	6.7	6.7	6.4	15.0	15.0	15.0	12.3	12.3	11.9	17
14.0	13.9	13.8	36.1	35.6	36.0	6.2	6.1	6.1	23.3	23.2	23.0	22.7	22.7	22.4	18
28.2	28.2	28.6	93.0	92.7	93.1	28.8	28.9	28.2	53.6	53.4	51.6	67.2	67.0	65.7	19
2.4	2.4	2.3	9.2	9.1	8.5	1.4	1.4	1.4	5.1	5.1	5.1	9.3	9.2	8.9	20
4.7	4.8	4.9	20.5	20.3	20.4	5.0	5.0	5.0	16.1	16.0	16.0	11.1	11.0	10.8	21
4.2	4.2	4.1	13.0	13.1	13.1	1.8	1.8	1.7	6.4	6.3	6.4	11.3	11.3	11.1	22
49.1	49.1	50.1	209.0	205.0	205.2	41.4	41.3	40.5	147.7	146.7	145.1	181.2	180.6	176.1	23
3.2	3.2	3.1	13.3	13.3	13.3	3.1	3.1	3.1	10.3	10.2	10.0	7.6	7.6	7.3	24
9.1	9.1	9.2	31.5	31.3	32.5	15.1	15.1	14.7	22.6	22.4	21.9	20.0	19.7	19.1	25
1.6	1.7	1.7	6.7	6.8	6.8	1.0	1.0	.9	6.4	6.4	6.5	2.9	2.9	2.6	26
3.1	3.1	3.2	11.4	11.3	11.2	2.1	2.1	2.0	7.4	7.4	7.6	5.5	5.5	5.4	27
2.2	2.2	2.4	10.4	10.2	10.5	1.4	1.4	1.4	7.0	7.0	7.1	8.5	8.6	8.1	28
52.0	52.0	51.9	157.4	156.3	157.3	30.6	30.4	30.0	103.7	103.1	102.9	158.2	158.5	157.6	29
7.2	7.2	7.4	12.6	12.5	12.6	4.1	4.1	3.9	10.2	10.1	10.0	15.9	16.0	16.3	30
7.6	7.6	7.8	30.2	30.2	32.4	6.6	6.6	6.8	24.2	24.1	24.8	20.7	20.8	19.9	31
58.4	58.4	57.7	179.0	178.9	175.3	35.4	35.4	34.7	138.9	137.6	134.6	182.3	181.6	170.3	32
4.4	4.5	4.3	15.8	15.7	15.5	3.7	3.6	3.6	13.1	13.0	12.1	21.7	21.7	21.4	33
22.6	22.6	23.0	70.5	69.9	67.9	16.9	16.9	16.6	48.0	47.7	47.0	45.2	45.2	40.4	34
92.8	92.7	92.7	228.1	227.7	225.9	49.5	49.6	49.0	157.9	157.5	155.8	222.2	222.1	215.8	35
5.2	5.2	5.4	21.2	21.3	21.2	5.7	5.7	5.7	14.3	14.3	14.3	27.3	27.4	26.6	36
3.0	2.9	3.0	8.5	8.5	8.2	1.4	1.4	1.4	5.9	5.9	5.7	7.1	7.1	7.0	37
2.2	2.2	2.2	9.7	9.6	9.7	2.4	2.4	2.4	5.4	5.4	5.4	8.0	8.0	7.4	38
45.9	45.6	45.2	90.0	89.7	89.4	22.6	22.6	22.4	68.6	68.3	69.7	58.2	57.8	56.6	39
9.2	9.1	9.1	22.9	23.0	22.2	4.5	4.5	4.4	14.8	14.7	14.1	15.9	15.9	15.4	40
17.5	17.5	17.3	63.9	63.7	63.7	12.5	12.5	11.9	41.8	41.5	40.5	69.0	69.2	65.4	41
1.0	1.0	.9	6.0	6.0	6.0	.9	.9	.8	4.2	4.2	4.0	2.1	2.1	2.2	42
5.5	5.5	5.2	17.4	17.4	17.1	5.6	5.6	5.3	11.0	11.0	10.1	8.6	8.5	7.7	43
82.3	82.1	81.2	310.2	306.6	296.7	68.9	68.5	67.1	240.2	238.1	231.6	256.9	256.7	251.5	44
58.2	58.0	57.5	177.6	176.0	172.5	43.6	43.4	42.9	136.9	136.0	133.1	159.9	159.6	156.5	45
119.1	117.3	116.6	473.9	471.1	478.0	130.9	130.1	128.7	471.4	468.7	459.5	309.2	307.8	300.0	46
78.4	78.2	74.9	285.8	283.7	287.9	94.6	93.9	94.4	322.3	321.5	315.0	177.8	177.8	175.4	47
3.6	3.6	3.5	13.0	12.9	12.1	1.4	1.4	1.4	6.6	6.5	6.4	7.9	7.9	7.7	48
1.8	1.8	1.8	9.0	8.9	9.2	(1)	(1)	(1)	9.4	9.2	8.9	4.0	4.0	4.4	49
2.4	2.4	2.4	14.6	14.5	14.8	2.3	2.3	2.3	10.1	10.1	9.2	12.8	12.6	12.1	50
2.1	2.1	2.0	11.4	11.3	11.1	1.4	1.4	1.4	9.2	9.1	8.9	6.9	6.9	6.8	51
2.7	2.7	2.7	9.8	9.6	9.6	(1)	(1)	(1)	9.0	8.9	9.0	4.8	4.8	4.7	52
8.3	8.2	8.2	39.0	38.9	39.1	9.3	9.2	9.2	35.3	34.9	34.4	25.9	25.8	25.6	53
6.2	6.1	6.3	26.9	26.5	25.6	7.3	7.3	7.2	22.7	22.6	22.2	16.7	16.6	16.1	54

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970
1	MICHIGAN	2,926.9	2,931.2	3,023.4	11.5	11.3	11.3	89.2	87.5	101.8	1,050.2	1,059.6	1,133.3
2	Ann Arbor	108.3	109.2	106.3	(1)	(1)	(1)	2.2	2.1	2.5	37.0	38.2	35.5
3	Battle Creek	58.9	58.7	60.1	(1)	(1)	(1)	1.6	1.6	1.7	23.5	23.4	24.9
4	Bay City	29.1	30.5	30.0	(1)	(1)	(1)	.8	.8	1.0	9.9	11.3	11.1
5	Detroit	1,451.9	1,455.4	1,506.3	.9	.9	1.0	46.3	45.9	51.8	538.2	544.0	582.6
6	Flint	157.8	157.5	169.5	(1)	(1)	(1)	3.3	3.1	5.4	82.4	81.9	85.6
7	Grand Rapids	185.0	184.7	186.4	(1)	(1)	(1)	6.6	6.5	6.7	69.1	69.6	72.7
8	Jackson	44.4	44.8	46.6	(1)	(1)	(1)	1.4	1.4	1.5	15.9	16.4	18.4
9	Kalamazoo	72.5	72.3	74.9	(1)	(1)	(1)	3.1	3.0	3.3	26.6	26.7	29.1
10	Lansing	129.7	130.4	137.9	(1)	(1)	(1)	4.5	4.3	4.1	37.7	38.0	40.7
11	Muskegon-Muskegon Heights	47.1	49.8	52.1	(1)	(1)	(1)	1.2	1.1	1.3	20.9	23.9	26.8
12	Saginaw	75.3	74.9	73.9	(1)	(1)	(1)	3.0	3.0	3.4	33.5	33.2	31.9
13	MINNESOTA	1,270.5	1,270.3	1,295.5	13.7	13.6	13.4	54.1	53.0	55.1	293.0	295.8	322.1
14	Duluth-Superior <sup>2</sup>	53.4	53.2	54.0	(1)	(1)	(1)	1.9	1.9	2.1	9.3	9.4	10.0
15	Minneapolis-St. Paul	766.8	765.6	792.9	(1)	(1)	(1)	33.4	32.3	35.4	189.9	190.4	214.7
16	MISSISSIPPI	577.9	575.2	568.1	6.3	6.3	6.3	30.2	29.2	29.0	182.2	181.4	179.7
17	Jackson	93.4	93.2	90.9	.7	.7	.7	5.0	4.9	5.6	13.6	13.6	13.3
18	MISSOURI <sup>2</sup>	1,617.2	1,611.7	1,659.2	8.4	8.1	9.2	69.2	65.1	69.7	419.6	422.0	453.6
19	Kansas City	508.8	502.6	516.1	.5	.5	.5	23.6	20.2	25.3	120.3	120.6	130.3
20	St. Joseph	31.2	30.7	32.1	(3)	(3)	(3)	1.6	1.5	1.6	8.9	8.8	10.0
21	St. Louis	881.1	877.3	897.6	2.1	2.1	2.4	39.1	36.4	37.7	260.2	262.1	281.8
22	Springfield	55.2	55.1	55.1	.1	.1	.1	2.5	2.0	2.7	14.9	15.1	14.9
23	MONTANA	194.5	194.2	188.7	6.5	6.5	6.1	8.3	8.0	7.3	22.7	23.1	22.5
24	Billings	28.8	28.6	27.9	(1)	(1)	(1)	1.4	1.3	1.4	3.3	3.3	3.0
25	Great Falls	23.9	23.8	23.9	(1)	(1)	(1)	1.2	1.2	1.3	2.8	2.8	2.9
26	NEBRASKA	478.4	475.8	474.2	1.4	1.4	1.4	20.1	19.5	21.7	81.3	81.4	85.8
27	Lincoln	71.8	71.4	70.7	-	-	-	3.0	2.9	3.4	10.3	10.3	10.5
28	Omaha	207.7	206.3	206.0	(3)	(3)	(3)	9.2	8.9	10.1	37.6	37.3	40.0
29	NEVADA	201.4	200.7	197.2	3.9	3.9	4.0	11.8	11.4	11.9	8.4	8.4	8.4
30	Las Vegas	112.9	112.6	110.1	.2	.2	.1	7.6	7.4	7.1	4.2	4.2	4.3
31	Reno	56.7	56.2	53.1	.2	.2	.2	3.5	3.4	3.4	3.0	3.0	2.8
32	NEW HAMPSHIRE	248.4	247.8	253.2	.3	.3	.3	9.9	9.8	11.0	85.4	85.6	94.5
33	Manchester	48.2	48.3	48.4	(1)	(1)	(1)	1.9	1.8	2.1	16.1	16.3	16.5
34	NEW JERSEY	2,554.9	2,550.9	2,577.6	3.2	3.1	3.2	109.8	104.6	106.6	828.4	835.7	883.7
35	Atlantic City	58.0	57.2	58.1	-	-	-	3.1	3.0	3.2	10.3	10.2	10.9
36	Camden <sup>6</sup>	252.1	252.3	251.6	.1	.1	.1	11.2	11.8	12.6	71.1	72.0	76.8
37	Jersey City <sup>6</sup>	250.3	252.8	260.9	-	-	-	6.2	6.0	6.3	101.2	104.0	110.0
38	Long Branch <sup>6</sup>	115.4	115.0	116.1	.1	.1	.1	5.4	5.1	6.1	20.6	20.8	22.2
39	Newark <sup>7</sup>	778.7	776.6	793.8	.7	.6	.7	31.6	30.2	30.0	234.7	235.5	254.8
40	Paterson-Clifton-Passaic <sup>7</sup>	497.6	497.6	505.0	.2	.2	.3	19.7	19.3	19.9	178.7	181.1	191.7
41	Perth Amboy <sup>7</sup>	278.7	278.6	276.0	.9	.9	.9	11.7	11.6	11.4	112.9	113.5	118.0
42	Trenton	133.5	133.1	132.4	(1)	(1)	(1)	4.1	3.8	3.8	38.8	39.0	40.0
43	NEW MEXICO	288.8	286.6	288.1	16.4	16.3	16.6	15.2	14.5	16.0	21.0	20.8	20.9
44	Albuquerque	108.8	108.5	106.6	(1)	(1)	(1)	7.1	7.0	6.6	9.1	9.0	9.1
45	NEW YORK	7,047.9	7,016.8	7,149.6	7.8	7.7	7.5	232.4	218.2	235.5	1,682.9	1,683.7	1,820.7
46	Albany-Schenectady-Troy	277.0	275.8	275.6	(1)	(1)	(1)	11.4	11.0	12.6	60.9	61.2	63.0
47	Binghamton	100.6	100.7	105.0	(1)	(1)	(1)	3.4	3.3	3.4	39.3	39.6	44.3
48	Buffalo	484.2	482.9	497.9	(1)	(1)	(1)	15.0	14.3	16.4	163.0	163.8	175.5
49	Elmira	36.6	36.4	37.7	(1)	(1)	(1)	1.1	1.0	1.4	14.5	14.5	15.5
50	Monroe County <sup>2</sup>	297.8	296.7	305.8	(1)	(1)	(1)	12.8	12.4	11.6	122.3	122.6	133.8
51	Nassau and Suffolk Counties <sup>10</sup>	722.8	713.5	714.7	(1)	(1)	(1)	34.8	31.0	33.4	142.7	143.3	159.9
52	New York-Northeastern New Jersey	(*)	6,579.2	6,695.5	(*)	4.2	4.3	(*)	216.7	225.6	(*)	1,604.2	1,724.1
53	New York SMSA <sup>7</sup>	4,802.0	4,777.3	4,860.7	2.5	2.4	2.5	159.1	149.3	158.0	972.3	969.5	1,049.5
54	New York City <sup>10</sup>	3,711.0	3,696.6	3,782.9	1.9	1.9	1.9	103.3	98.9	104.7	740.2	736.8	796.7
55	Rochester	337.3	336.6	345.9	(1)	(1)	(1)	13.6	13.2	12.4	134.7	135.2	146.7
56	Rockland County <sup>10</sup>	62.3	61.9	60.4	(1)	(1)	(1)	3.0	2.8	2.8	14.5	14.6	15.5
57	Syracuse	219.8	219.1	224.0	(1)	(1)	(1)	8.1	7.8	7.6	58.5	58.9	65.7
58	Utica-Rome	109.5	109.5	113.1	(1)	(1)	(1)	2.9	2.9	2.8	38.3	38.3	41.1
59	Westchester County <sup>10</sup>	305.9	305.3	302.7	(1)	(1)	(1)	18.0	16.6	17.1	74.9	74.9	77.4

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			
Mar. 1971	Feb. 1971	Mar. 1970	Mar. 1971	Feb. 1971	Mar. 1970	Mar. 1971	Feb. 1971	Mar. 1970	Mar. 1971	Feb. 1971	Mar. 1970	Mar. 1971	Feb. 1971	Mar. 1970	
143.6	143.5	146.7	570.5	567.7	585.8	114.6	114.5	114.1	410.1	411.2	408.2	537.1	535.8	522.1	1
2.7	2.7	2.7	13.4	13.4	13.3	2.3	2.3	2.1	10.6	10.5	10.8	40.0	40.0	39.3	2
2.7	2.7	2.6	9.3	9.2	9.2	3.2	3.2	3.4	7.9	7.9	7.8	10.8	10.7	10.6	3
1.6	1.6	1.7	6.9	6.9	6.8	.8	.8	.7	3.9	3.9	3.7	5.1	5.1	5.0	4
79.1	79.3	78.3	286.1	285.1	292.8	67.3	67.0	66.8	215.9	216.0	218.9	218.1	217.2	214.1	5
4.3	4.6	4.7	21.8	22.3	24.7	4.1	4.1	4.1	16.4	16.1	17.5	25.5	25.4	27.5	6
9.1	9.2	9.4	44.2	43.6	44.0	7.1	7.0	7.1	26.8	26.8	26.3	22.1	22.0	20.1	7
4.3	4.3	4.3	8.5	8.4	8.3	1.3	1.3	1.3	5.3	5.2	5.1	7.8	7.8	7.7	8
2.4	2.4	2.5	13.8	13.8	13.8	2.2	2.2	2.3	9.0	8.9	9.0	15.3	15.3	15.0	9
3.4	3.5	3.5	20.0	20.2	21.2	5.9	5.9	5.8	14.0	13.9	16.2	44.1	44.7	46.5	10
2.6	2.6	2.6	8.5	8.4	7.7	1.3	1.3	1.3	5.7	5.7	5.5	6.8	6.8	7.0	11
3.5	3.5	4.0	13.8	13.7	13.9	2.8	2.7	2.6	9.0	9.0	8.9	9.7	9.9	9.2	12
86.0	86.1	87.6	307.5	306.5	309.4	64.1	64.1	63.3	214.5	214.3	211.1	237.7	236.9	233.6	13
6.2	6.1	6.1	12.7	12.5	13.0	1.9	1.9	1.9	10.8	10.9	10.6	10.6	10.6	10.4	14
56.4	56.2	57.3	185.5	185.4	189.3	47.7	47.8	46.9	143.2	143.0	140.0	110.7	110.4	109.3	15
29.6	29.5	29.5	105.7	105.0	104.0	21.3	21.3	20.7	67.4	67.4	66.3	135.2	135.1	132.6	16
6.0	6.0	6.0	22.2	22.2	21.1	7.1	7.1	7.0	16.6	16.6	16.2	22.1	22.1	21.2	17
121.1	120.7	126.9	364.4	363.1	367.5	89.3	89.2	88.4	257.2	256.1	258.9	288.0	287.4	285.1	18
49.8	50.0	51.5	124.2	122.8	124.5	32.6	32.4	32.2	82.4	81.5	80.3	75.4	74.6	71.5	19
2.0	2.0	2.1	7.7	7.6	7.6	1.4	1.4	1.3	4.8	4.7	4.7	4.8	4.7	4.8	20
65.4	64.0	67.7	188.3	187.7	185.3	46.8	46.7	46.2	152.0	151.2	150.4	127.2	127.1	126.1	21
4.5	4.5	4.4	13.5	14.0	13.5	2.2	2.2	2.2	9.3	9.1	9.1	8.2	8.1	8.2	22
16.8	16.8	16.8	46.7	46.3	45.3	8.1	8.1	8.0	32.4	32.7	32.2	53.0	52.7	50.5	23
2.5	2.4	2.7	8.9	9.0	8.6	1.5	1.5	1.5	5.7	5.7	5.6	5.5	5.4	5.1	24
2.1	2.1	2.1	6.3	6.3	6.1	1.5	1.5	1.4	4.7	4.7	4.8	5.3	5.2	5.3	25
35.7	35.8	36.2	120.0	120.0	118.4	29.9	29.7	28.7	83.6	82.8	81.2	106.5	105.2	100.7	26
4.9	4.9	4.9	14.8	15.0	15.0	5.6	5.5	5.3	11.4	11.2	11.1	21.8	21.4	20.6	27
20.0	19.9	20.4	53.7	53.6	52.2	17.1	17.0	16.6	37.9	37.7	37.3	32.1	31.9	29.5	28
14.1	14.1	13.4	39.3	38.9	37.0	8.0	8.0	7.8	77.7	77.5	77.6	38.2	38.5	37.1	29
7.5	7.3	7.0	22.0	21.8	20.2	4.2	4.2	4.1	50.9	51.0	51.3	16.3	16.5	16.0	30
4.8	4.8	4.5	12.6	12.5	11.7	3.1	3.1	3.0	18.8	18.5	17.4	10.7	10.7	10.1	31
12.1	12.0	11.7	50.0	49.8	48.4	11.5	11.5	10.9	40.5	40.2	39.6	38.7	38.6	36.8	32
3.5	3.5	3.5	11.3	11.2	11.3	3.3	3.3	3.1	7.9	8.0	8.0	4.2	4.2	3.9	33
178.5	178.5	181.0	531.0	526.8	517.9	118.8	118.7	114.2	406.3	404.9	399.0	378.9	378.6	372.0	34
3.4	3.4	3.4	14.6	14.1	14.4	3.0	2.9	2.9	12.5	12.5	12.8	11.1	11.1	10.5	35
13.0	13.0	12.9	61.6	60.8	57.1	9.6	9.6	9.1	37.3	37.0	37.1	48.2	48.0	45.9	36
34.5	34.5	36.0	40.2	40.1	39.6	8.2	8.2	8.3	30.2	30.2	30.9	29.8	29.8	29.8	37
6.2	6.1	6.1	27.1	26.5	25.2	4.3	4.3	4.2	24.3	24.5	24.6	27.4	27.6	27.6	38
63.5	63.6	64.7	151.8	151.5	151.7	56.0	55.9	53.3	135.3	134.5	133.2	105.1	104.8	105.4	39
27.2	27.0	27.0	124.0	122.5	121.0	19.1	19.0	18.1	75.2	74.9	75.7	53.5	53.6	51.3	40
14.8	14.9	14.4	55.5	54.7	52.2	6.3	6.2	5.9	31.3	31.0	30.2	45.3	45.8	43.0	41
6.5	6.6	6.5	20.3	20.2	20.2	5.3	5.3	5.2	29.4	29.1	28.7	29.1	29.1	28.0	42
20.2	20.1	20.1	60.6	60.5	59.7	12.5	12.6	12.3	52.5	51.6	52.6	90.4	90.2	89.9	43
6.9	6.8	6.7	26.6	26.7	25.5	6.6	6.6	6.2	25.2	25.0	25.6	27.3	27.4	26.9	44
499.4	498.6	498.3	1,433.1	1,428.4	1,440.4	596.7	594.7	599.1	1,360.6	1,354.0	1,343.1	1,235.1	1,231.5	1,205.0	45
16.0	15.9	15.8	55.1	54.7	53.8	10.9	10.9	10.8	47.4	47.0	45.9	75.1	75.0	73.8	46
4.5	4.5	4.7	17.5	17.5	17.8	3.2	3.2	3.2	11.9	11.9	11.9	20.7	20.7	19.6	47
30.4	30.4	31.6	98.9	98.3	101.2	19.4	19.3	19.1	75.9	75.4	74.5	81.6	81.3	79.7	48
1.5	1.5	1.5	7.4	7.4	7.5	1.0	1.0	1.0	5.6	5.6	5.6	5.5	5.5	5.2	49
10.6	10.6	11.3	54.3	54.1	54.7	11.3	11.3	11.2	51.1	50.6	48.7	35.4	35.1	34.5	50
35.8	35.5	33.1	190.5	189.1	188.1	33.8	33.6	32.0	136.1	131.7	126.5	149.1	149.3	141.7	51
(*)	520.3	520.1	(*)	1,365.7	1,376.6	(*)	597.6	601.0	(*)	1,262.9	1,259.4	(*)	1,007.6	984.4	52
381.3	380.2	378.0	1,000.1	997.5	1,012.2	509.9	508.3	515.3	998.7	992.2	990.2	778.2	778.0	754.9	53
322.5	321.7	322.4	727.0	725.8	743.1	460.2	458.8	467.5	789.1	786.7	792.0	566.8	566.1	554.7	54
12.1	12.2	13.0	61.7	61.6	62.2	12.0	12.0	12.0	55.5	55.2	53.1	47.7	47.2	46.6	55
3.4	3.4	3.4	13.1	13.0	11.9	2.0	2.0	1.9	9.7	9.7	9.5	16.6	16.5	15.3	56
13.8	13.7	14.1	48.7	48.3	48.7	12.5	12.4	11.7	38.1	37.8	37.1	40.3	40.1	39.2	57
3.9	3.9	5.4	18.7	18.8	18.5	4.7	4.7	4.6	14.5	14.4	14.1	26.5	26.5	26.6	58
19.7	19.6	19.1	69.5	69.6	69.1	13.9	13.8	14.0	64.3	64.7	62.8	45.7	46.1	43.2	59

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970
1	<b>NORTH CAROLINA</b> .....	1,735.5	1,735.3	1,740.8	3.5	3.5	3.6	89.4	86.6	95.3	682.4	687.5	698.6
2	Asheville .....	-	-	-	-	-	-	-	-	-	18.0	17.9	19.3
3	Charlotte .....	176.1	176.3	177.6	(1)	(1)	(1)	9.8	9.7	11.7	40.7	40.8	41.9
4	Greensboro-Winston-Salem-High Point .....	254.9	257.9	258.3	(1)	(1)	(1)	13.8	13.5	13.9	105.3	109.0	109.9
5	Raleigh .....	-	-	-	-	-	-	-	-	-	13.3	13.4	14.4
6	<b>NORTH DAKOTA</b> .....	161.6	160.4	156.0	1.7	1.7	1.5	7.9	7.5	6.1	9.4	9.3	9.7
7	Fargo-Moorhead .....	42.1	42.1	41.4	.1	.1	.1	2.4	2.4	2.4	2.8	2.9	3.2
8	<b>OHIO</b> .....	3,824.0	3,803.8	3,890.8	21.1	21.0	20.0	137.0	131.2	151.4	1,345.4	1,348.3	1,444.2
9	Akron .....	244.1	243.2	246.7	.2	.2	.2	7.0	6.6	7.8	94.2	94.7	100.1
10	Canton .....	132.5	132.7	135.8	.4	.3	.4	4.4	4.2	4.9	57.1	58.2	61.6
11	Cincinnati .....	505.1	501.3	508.4	.4	.4	.4	17.9	17.1	19.0	163.1	162.9	174.4
12	Cleveland .....	839.1	832.5	866.0	1.4	1.3	1.5	32.0	31.2	34.4	277.2	276.5	308.8
13	Columbus .....	375.0	372.8	373.0	.7	.7	.7	14.9	14.2	15.5	86.3	86.2	91.7
14	Dayton .....	319.6	319.2	332.1	.5	.5	.4	10.2	9.7	10.6	115.3	116.3	130.6
15	Toledo .....	241.5	240.6	243.1	.3	.3	.3	8.0	7.7	8.0	78.2	78.8	82.3
16	Youngstown-Warren .....	201.3	199.2	196.5	.3	.3	.3	7.2	6.8	8.3	90.3	89.6	87.7
17	<b>OKLAHOMA</b> .....	769.3	767.3	762.6	37.1	37.2	38.8	38.4	37.5	34.6	131.6	132.5	132.9
18	Oklahoma City .....	259.2	259.0	254.9	6.8	6.8	7.0	13.1	13.1	12.3	37.8	38.2	38.0
19	Tulsa .....	174.7	174.7	178.2	13.3	13.2	13.2	7.8	7.8	8.1	39.3	39.7	42.9
20	<b>OREGON</b> .....	708.1	702.1	694.4	1.2	1.2	1.2	27.3	27.3	26.2	165.8	164.4	167.0
21	Eugene .....	68.6	67.8	67.6	(1)	(1)	(1)	2.6	2.6	2.4	18.0	17.7	17.7
22	Portland .....	380.9	379.1	379.3	(1)	(1)	(1)	16.5	16.7	16.2	82.3	82.3	86.9
23	Salem .....	52.6	52.6	52.3	(1)	(1)	(1)	1.8	1.8	2.4	8.1	8.0	8.4
24	<b>PENNSYLVANIA</b> .....	4,251.3	4,228.6	4,337.3	40.4	40.1	38.4	174.0	164.0	174.5	1,447.7	1,452.4	1,560.3
25	Allentown-Bethlehem-Easton .....	211.6	209.8	217.9	.5	.5	.5	6.5	6.3	7.6	100.7	99.7	106.6
26	Altoona .....	47.0	47.0	48.3	(1)	(1)	(1)	1.5	1.5	1.8	15.2	15.2	15.9
27	Delaware Valley <sup>6</sup> .....	1,503.3	1,494.7	1,548.2	1.4	1.4	1.3	71.0	65.9	68.0	446.1	448.3	486.8
28	Erie .....	95.5	94.7	97.4	(1)	(1)	(1)	3.1	3.0	3.2	41.6	41.6	43.9
29	Harrisburg .....	174.6	172.9	174.7	(1)	(1)	(1)	7.5	6.9	7.7	38.5	38.3	39.8
30	Johnstown .....	77.2	76.6	77.5	5.4	5.4	5.1	2.3	2.0	2.4	24.6	24.4	25.7
31	Lancaster .....	119.6	119.0	120.0	(1)	(1)	(1)	6.1	5.8	5.8	52.2	52.9	56.1
32	Philadelphia .....	1,755.4	1,747.1	1,800.0	1.5	1.5	1.4	82.2	77.7	80.6	517.5	520.4	563.7
33	Pittsburgh .....	859.8	855.3	867.9	9.5	9.4	8.7	38.2	35.7	38.1	268.8	268.5	282.5
34	Reading .....	123.2	123.5	125.0	(1)	(1)	(1)	4.2	3.9	3.9	55.2	56.7	59.0
35	Scranton .....	83.2	82.9	85.8	.4	.4	.4	2.1	1.9	2.2	32.1	32.1	34.8
36	Wilkes-Barre-Hazleton .....	121.6	121.3	122.6	1.8	1.9	2.2	5.0	4.7	4.5	52.8	53.3	53.9
37	York .....	132.4	131.7	132.6	(1)	(1)	(1)	8.8	8.7	8.5	58.8	59.0	61.9
38	<b>RHODE ISLAND</b> .....	331.2	329.7	342.0	(1)	(1)	(1)	12.8	11.8	13.1	115.0	114.8	125.2
39	Providence-Pawtucket-Warwick .....	343.6	341.6	354.2	(1)	(1)	(1)	13.1	12.2	13.5	131.6	131.0	142.0
40	<b>SOUTH CAROLINA</b> .....	838.2	831.2	833.6	1.7	1.7	1.7	49.8	47.0	48.6	330.8	330.6	342.2
41	Charleston .....	86.8	86.0	89.5	(1)	(1)	(1)	4.5	4.3	6.0	14.7	14.4	16.3
42	Columbia .....	111.8	111.1	111.1	(1)	(1)	(1)	7.7	7.4	7.2	19.4	19.1	20.7
43	Greenville .....	120.7	120.2	124.0	(1)	(1)	(1)	8.8	8.6	9.1	52.8	52.7	56.5
44	<b>SOUTH DAKOTA</b> .....	173.4	172.9	172.8	2.1	2.1	2.3	5.1	5.1	5.4	15.5	15.3	15.2
45	Sioux Falls .....	34.2	33.9	33.9	(1)	(1)	(1)	1.3	1.4	1.3	5.8	5.8	5.8
46	<b>TENNESSEE</b> .....	1,341.4	1,340.4	1,310.9	7.2	7.0	6.9	66.7	64.9	58.4	459.1	461.4	466.1
47	Chattanooga .....	129.1	128.5	128.2	.2	.2	.2	5.4	5.1	5.6	52.0	51.8	53.7
48	Knoxville <sup>2</sup> .....	143.6	142.9	145.6	1.9	1.8	1.6	7.5	7.2	7.3	47.2	46.8	48.5
49	Memphis .....	275.0	273.2	272.1	.2	.2	.2	15.8	15.0	11.3	57.7	57.6	61.7
50	Nashville .....	221.3	220.7	220.3	(1)	(1)	(1)	12.8	12.7	12.4	59.3	59.6	61.9
51	<b>TEXAS</b> .....	3,614.3	3,608.7	3,609.4	102.6	103.3	102.4	211.7	210.5	216.1	705.2	707.9	755.0
52	Amarillo .....	-	-	-	-	-	-	-	-	-	7.3	7.2	6.7
53	Austin .....	119.7	118.1	112.9	(1)	(1)	(1)	8.2	8.1	8.0	11.6	11.4	11.4
54	Beaumont-Port Arthur-Orange .....	105.8	105.4	107.8	(1)	(1)	(1)	7.3	7.5	8.1	35.8	35.2	37.0
55	Corpus Christi .....	-	-	-	-	-	-	-	-	-	11.4	11.4	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			
Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	
93.3	93.0	91.6	309.5	308.0	309.1	70.6	70.5	69.1	208.4	207.7	202.6	278.4	278.5	270.9	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.6	18.6	18.5	45.4	45.4	46.2	12.3	12.3	12.1	27.4	27.7	26.6	21.9	21.8	20.6	3
16.3	16.2	15.8	46.0	45.9	46.5	12.6	12.6	12.2	30.6	30.4	29.9	30.3	30.3	30.1	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
11.8	11.8	11.8	43.8	43.5	42.4	7.2	7.1	7.0	29.3	29.0	28.6	50.6	50.5	48.9	6
2.9	2.9	3.1	12.4	12.3	12.1	2.5	2.5	2.4	8.5	8.5	8.5	10.6	10.6	9.7	7
226.2	224.5	222.7	768.5	761.4	763.5	160.5	159.7	155.0	580.1	576.0	562.0	585.1	581.9	572.0	8
14.4	14.3	14.6	47.3	46.9	47.8	7.3	7.3	6.7	35.4	35.1	33.3	38.2	38.1	36.2	9
7.0	7.0	7.2	25.3	24.9	25.3	4.9	4.9	4.5	20.2	20.0	19.2	13.2	13.1	12.8	10
36.9	36.9	36.1	106.4	105.7	105.3	26.9	26.9	26.1	80.4	79.0	76.5	73.1	72.5	70.7	11
52.0	51.6	51.0	182.0	180.0	182.1	43.0	42.8	41.2	141.1	140.1	135.7	110.3	108.9	111.2	12
21.5	21.4	20.9	78.7	77.9	77.1	25.4	25.4	24.8	66.3	65.6	62.4	81.3	81.4	79.9	13
12.7	12.7	12.6	60.7	60.2	60.9	10.1	10.0	9.5	49.8	49.4	48.1	60.2	60.4	59.2	14
17.0	17.0	16.6	52.1	51.6	51.9	8.2	8.2	8.0	40.5	40.0	39.4	37.2	37.0	35.6	15
10.3	10.2	10.1	37.7	37.3	37.2	5.9	5.9	5.5	28.1	27.6	26.3	21.5	21.5	21.1	16
51.8	51.7	52.2	167.1	166.3	165.2	37.1	37.0	36.5	117.9	117.5	114.7	188.3	187.6	187.7	17
17.1	17.1	16.8	57.4	57.3	56.6	15.7	15.7	15.6	39.0	38.8	37.5	72.3	72.1	71.1	18
15.0	15.0	15.8	40.3	40.1	40.1	9.4	9.4	9.4	31.1	31.0	30.3	18.5	18.5	18.4	19
47.0	47.2	47.9	162.2	159.6	158.2	36.2	36.1	35.9	117.5	115.8	112.0	150.9	150.5	146.0	20
4.0	4.0	4.1	14.0	13.9	14.2	3.0	3.0	2.9	10.2	9.9	10.0	16.8	16.7	16.3	21
29.1	29.4	30.1	92.6	92.1	91.5	24.8	24.8	24.7	70.8	69.5	67.8	64.8	64.3	62.1	22
2.0	2.0	1.8	10.8	10.8	10.9	3.2	3.2	3.2	7.8	7.9	8.0	18.9	18.9	17.6	23
261.7	261.5	265.4	819.0	812.6	810.9	191.9	191.8	186.7	680.0	673.2	671.0	636.6	633.0	630.1	24
12.5	12.4	12.0	34.9	34.7	35.9	7.2	7.1	6.7	28.7	28.5	28.0	20.6	20.6	20.6	25
7.5	7.5	7.5	8.3	8.3	8.7	1.2	1.2	1.2	7.0	6.9	6.9	6.3	6.4	6.3	26
88.9	88.5	91.9	300.5	298.0	307.5	92.1	92.1	92.0	280.8	278.4	278.7	222.5	222.1	222.0	27
5.2	5.2	5.3	17.3	17.0	17.2	3.4	3.4	3.2	13.4	13.2	13.0	11.5	11.3	11.6	28
14.0	14.1	13.9	34.6	33.8	33.9	9.2	9.2	8.8	26.0	25.7	26.0	44.8	44.9	44.6	29
4.9	4.9	4.7	12.7	12.7	13.0	2.1	2.1	2.0	12.2	12.1	11.8	13.0	13.0	12.8	30
5.4	5.4	5.4	23.5	23.0	22.4	2.9	2.9	2.7	18.2	17.9	16.8	11.3	11.1	10.8	31
101.8	101.5	104.8	362.1	358.8	364.7	101.6	101.7	101.1	318.1	315.4	315.7	270.6	270.1	268.0	32
57.7	58.1	59.1	175.7	174.7	173.1	37.9	37.8	37.2	157.5	157.5	156.7	114.5	113.6	112.5	33
6.7	6.6	6.6	21.0	20.7	19.9	4.7	4.6	4.7	16.7	16.4	16.6	14.7	14.6	14.3	34
4.8	4.9	4.9	16.7	16.7	16.7	2.6	2.5	2.6	14.4	14.3	14.3	10.1	10.1	9.9	35
6.7	6.7	6.6	20.4	20.1	20.5	4.3	4.3	4.2	15.0	14.7	15.0	15.6	15.6	15.7	36
5.9	5.9	6.0	25.3	25.0	24.3	3.2	3.1	3.0	15.7	15.3	14.6	14.7	14.7	14.3	37
15.5	15.6	15.6	67.1	66.9	67.0	15.7	15.5	15.5	53.6	53.6	53.3	51.5	51.5	52.3	38
15.1	15.2	15.1	67.8	67.5	67.6	15.7	15.5	15.4	52.7	52.6	52.4	47.6	47.6	48.2	39
37.2	36.8	37.0	142.5	141.1	137.7	30.6	30.5	29.1	91.3	90.2	87.6	154.3	153.3	149.7	40
5.8	5.6	5.9	17.5	17.4	17.5	3.5	3.5	3.6	10.3	10.3	10.4	30.5	30.5	29.8	41
7.2	7.2	7.0	22.7	22.7	23.1	7.4	7.4	7.0	15.7	15.7	15.1	31.7	31.6	31.0	42
4.3	4.3	4.6	21.7	21.7	21.2	5.0	4.9	4.8	14.2	14.2	14.3	13.9	13.8	13.5	43
10.1	10.1	10.3	43.7	43.4	43.9	7.5	7.5	7.4	32.3	32.4	32.1	57.1	57.0	56.2	44
2.9	2.9	3.1	10.5	10.3	10.3	2.0	2.0	2.0	6.8	6.7	6.7	4.9	4.8	4.7	45
66.6	66.4	65.8	259.6	259.2	254.2	58.4	58.2	56.6	184.1	183.8	180.3	239.7	239.5	222.6	46
6.4	6.4	6.5	23.8	23.9	24.4	7.4	7.4	7.1	16.3	16.2	15.6	17.6	17.5	15.1	47
6.1	6.2	6.5	29.6	29.5	30.0	5.0	5.1	5.0	16.7	16.6	18.3	29.6	29.7	28.4	48
19.6	19.5	20.4	69.0	69.0	68.5	15.6	15.3	14.9	44.7	44.3	45.0	52.4	52.3	50.1	49
13.6	13.6	13.7	48.5	48.3	47.5	15.0	15.0	14.5	36.9	36.7	36.6	35.2	34.8	33.7	50
253.0	253.7	251.6	876.3	873.2	853.6	194.3	194.1	187.4	587.4	585.0	578.0	683.8	681.0	665.3	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
3.7	3.7	3.3	24.1	24.0	22.4	5.8	5.8	5.7	15.9	15.8	15.6	50.4	49.3	46.5	53
8.9	8.9	8.8	21.1	21.2	21.2	3.9	3.9	3.8	15.5	15.4	15.7	13.3	13.3	13.2	54
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1970
1	TEXAS (continued)												
2	Dallas .....	645.3	643.3	656.4	7.7	7.7	8.0	36.6	36.0	35.5	139.5	139.8	165.8
3	El Paso .....	103.5	103.0	103.3	-	-	-	4.9	4.9	5.6	24.4	23.9	22.7
4	Fort Worth .....	257.6	258.7	269.2	1.7	1.7	1.7	11.6	11.0	11.1	77.1	78.8	92.2
5	Galveston-Texas City .....	-	-	-	-	-	-	-	-	-	11.4	11.7	11.7
6	Houston .....	776.6	777.1	761.1	28.5	28.7	28.3	65.6	65.6	67.5	144.2	145.1	148.7
7	Lubbock .....	-	-	-	-	-	-	-	-	-	7.1	7.0	7.5
8	San Antonio .....	258.3	258.0	260.5	1.3	1.3	1.5	12.7	12.2	13.0	33.5	33.4	35.6
9	Waco .....	-	-	-	-	-	-	-	-	-	11.2	11.2	11.8
10	Wichita Falls .....	-	-	-	-	-	-	-	-	-	4.6	4.4	4.6
11	UTAH .....	362.2	359.5	352.9	12.5	12.7	12.2	14.2	13.4	12.9	53.6	53.8	53.2
12	Salt Lake City .....	193.4	191.6	186.3	7.5	7.5	7.5	8.1	7.6	7.7	28.7	28.5	28.8
13	VERMONT .....	146.7	146.7	146.2	.9	.9	1.0	7.6	7.6	7.8	38.2	38.3	42.6
14	Burlington <sup>11</sup> .....	37.7	37.7	37.1	-	-	-	-	-	-	9.9	10.0	10.8
15	Springfield <sup>11</sup> .....	12.1	12.4	13.7	-	-	-	-	-	-	5.3	5.4	6.8
16	VIRGINIA <sup>4</sup> .....	1,461.7	1,450.6	1,443.4	15.8	16.1	15.1	91.2	85.4	89.7	355.9	356.1	365.5
17	Lynchburg .....	52.8	52.5	52.5	(1)	(1)	(1)	2.5	2.4	2.7	24.1	24.1	24.9
18	Newport News-Hampton .....	94.8	93.9	95.0	(1)	(1)	(1)	4.8	4.6	4.7	24.6	24.4	26.3
19	Norfolk-Portsmouth .....	198.2	196.4	197.1	(1)	(1)	(1)	13.7	13.2	13.2	18.7	18.6	19.9
20	Northern Virginia <sup>12</sup> .....	272.8	269.9	254.6	.3	.3	.4	19.3	18.1	19.5	8.7	8.6	9.5
21	Richmond .....	239.3	237.9	237.2	.2	.2	.2	15.0	14.4	14.8	49.8	50.0	52.2
22	Roanoke .....	82.6	81.9	80.6	.1	.1	.1	4.3	4.1	4.4	19.7	19.5	19.2
23	WASHINGTON .....	1,040.1	1,034.4	1,084.7	1.6	1.5	1.6	44.8	44.5	50.4	211.7	211.5	248.8
24	Seattle-Everett .....	488.0	486.8	530.6	(1)	(1)	(1)	20.0	19.7	24.7	107.7	108.9	140.4
25	Spokane .....	89.0	88.7	89.1	(1)	(1)	(1)	4.9	4.7	4.2	12.1	11.8	12.6
26	Tacoma .....	105.0	104.0	105.7	(1)	(1)	(1)	4.0	4.1	5.2	20.3	19.9	19.6
27	WEST VIRGINIA .....	510.3	507.7	506.4	51.4	51.1	48.0	25.6	25.0	24.4	121.6	121.3	127.0
28	Charleston .....	84.4	84.2	83.2	4.1	4.1	3.8	5.4	4.9	4.8	15.9	16.2	16.9
29	Huntington-Ashland .....	83.6	83.0	82.7	.6	.6	.6	4.1	3.8	3.7	26.7	26.6	26.6
30	Wheeling .....	59.5	59.1	58.4	5.3	5.2	4.6	3.6	3.1	3.3	15.4	15.2	15.6
31	WISCONSIN .....	1,496.7	1,492.2	1,516.6	1.8	1.7	2.0	50.8	49.9	54.1	465.7	466.4	511.6
32	Green Bay .....	54.0	53.8	53.4	(1)	(1)	(1)	2.2	2.0	2.2	16.3	16.4	16.6
33	Kenosha .....	35.2	29.7	35.5	(1)	(1)	(1)	1.0	1.0	1.1	15.6	10.1	16.5
34	La Crosse .....	30.1	29.9	29.9	(1)	(1)	(1)	.9	.9	1.1	8.1	8.1	8.6
35	Madison .....	121.5	121.4	120.5	(1)	(1)	(1)	5.6	5.4	5.7	15.6	15.6	16.7
36	Milwaukee .....	555.7	556.9	570.3	(1)	(1)	(1)	16.9	16.7	19.5	190.3	192.0	211.7
37	Racine .....	53.5	53.0	55.7	(1)	(1)	(1)	1.5	1.5	1.5	22.9	22.7	25.7
38	WYOMING .....	103.2	102.5	102.7	10.7	10.7	10.9	5.8	5.4	5.2	6.2	6.5	7.1
39	Casper .....	18.7	18.6	18.9	3.2	3.2	3.2	1.0	.9	1.0	1.6	1.6	1.5
40	Cheyenne .....	18.0	18.1	17.8	(1)	(1)	(1)	.7	.7	.8	1.2	1.2	1.0

1 Combined with services.  
2 Revised to 1970 benchmark; not strictly comparable with previously published data.  
3 Combined with construction.  
4 Federal Employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in data for the District of Columbia.  
5 Area included in Chicago-Northwestern Indiana Standard Consolidated Area.  
6 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.  
7 Area included in New York-Northeastern New Jersey Standard Consolidated Area.  
8 Initial inclusion in this publication. (See area definition on opposite page.)  
9 Subarea of Rochester Standard Metropolitan Statistical Area.  
10 Subarea of New York Standard Metropolitan Statistical Area.  
11 Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.  
12 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			
Mar. 1971P	Feb. 1971	Mar. 1970	Mar. 1971P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971P	Feb. 1971	Mar. 1970	
52.3	52.3	52.4	171.8	170.9	169.8	55.7	55.4	52.9	105.1	105.2	101.5	76.6	76.0	70.5	1
8.2	8.4	8.7	24.8	24.5	25.3	4.5	4.4	4.6	14.5	14.5	14.0	22.2	22.4	22.4	2
15.3	15.4	15.2	61.1	61.3	60.5	12.5	12.5	12.7	41.6	41.3	40.5	36.7	36.7	35.3	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
63.5	63.3	62.3	188.7	188.9	184.1	43.0	42.8	40.1	144.8	144.5	137.5	98.3	98.2	92.6	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.1	11.2	11.5	61.6	61.8	62.1	16.8	16.8	16.0	44.1	44.3	44.4	77.2	77.0	76.4	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.0	23.3	22.9	78.8	78.1	76.8	15.4	15.3	14.7	60.1	59.1	58.1	104.7	103.8	102.0	10
15.9	15.9	15.2	51.3	50.7	48.8	11.6	11.4	11.3	33.4	32.9	32.2	37.0	37.1	34.8	11
8.2	8.2	7.8	28.5	28.3	27.3	5.8	5.8	5.5	30.6	30.7	28.8	27.1	27.0	25.6	12
2.0	2.0	1.9	7.8	7.7	7.3	-	-	-	7.1	7.1	6.8	-	-	-	13
.7	.7	.8	2.0	2.0	2.0	-	-	-	2.1	2.1	2.0	-	-	-	14
97.3	96.8	95.3	303.4	300.5	296.9	67.6	67.4	65.8	221.4	220.0	215.1	309.1	308.3	300.0	15
2.6	2.6	2.4	8.8	8.8	8.3	2.2	2.1	2.1	6.8	6.7	6.4	5.8	5.8	5.7	16
4.3	4.1	4.0	15.9	15.8	15.7	2.8	2.8	2.9	13.0	12.9	12.4	29.4	29.3	29.0	17
16.0	16.0	16.2	48.0	47.1	47.4	9.6	9.6	9.3	31.4	31.1	30.0	60.8	60.8	61.1	18
21.2	21.2	19.5	62.9	61.9	60.2	15.5	15.4	14.8	49.2	48.9	48.3	95.7	95.5	82.4	19
18.4	18.4	18.2	53.4	53.1	52.9	18.9	18.6	18.2	35.9	35.9	35.2	47.7	47.3	45.5	20
10.9	10.8	11.2	19.1	19.0	18.6	4.0	4.1	4.2	14.0	13.8	12.9	10.5	10.5	10.0	21
70.6	69.9	72.0	228.6	227.3	236.3	57.1	56.9	58.3	169.0	168.2	170.1	256.7	254.6	247.2	22
37.6	37.3	39.2	109.4	109.1	116.4	34.5	34.5	35.4	81.6	80.8	82.2	97.2	96.5	92.3	23
7.3	7.3	7.3	21.8	22.1	22.8	5.4	5.4	5.2	19.0	18.9	18.8	18.5	18.5	18.2	24
6.3	6.3	6.6	22.3	22.0	22.7	6.2	6.2	6.0	19.0	18.8	18.8	26.9	26.7	26.8	25
41.2	41.0	41.0	90.5	90.3	88.9	15.9	15.9	15.5	67.4	67.0	66.3	96.6	96.2	95.5	26
9.0	9.0	9.0	19.2	19.2	18.3	4.0	4.0	3.9	13.0	13.0	12.9	13.8	13.8	13.7	27
8.2	8.2	8.2	17.9	17.8	17.7	2.9	2.9	2.9	10.5	10.5	10.5	12.7	12.7	12.4	28
3.9	3.9	3.8	12.6	12.6	12.3	2.2	2.2	2.1	10.1	10.3	9.9	6.6	6.6	6.8	29
79.9	80.1	79.2	328.9	326.8	320.1	61.8	61.6	60.0	235.1	233.5	225.5	272.8	272.1	264.1	30
4.4	4.4	4.3	13.6	13.5	13.6	1.4	1.4	1.4	8.4	8.3	8.1	7.6	7.7	7.2	31
1.2	1.2	1.3	6.7	6.7	6.3	.7	.7	.7	5.0	5.0	4.9	5.0	5.0	4.7	32
2.1	2.2	2.1	7.6	7.5	7.3	.6	.6	.6	6.0	5.9	5.6	4.7	4.8	4.6	33
5.8	5.7	5.5	24.6	24.6	23.7	6.4	6.3	6.2	18.6	18.3	17.3	44.9	45.4	45.5	34
30.8	30.9	30.6	122.5	122.2	119.3	29.1	29.1	28.4	91.1	92.0	89.4	74.9	74.1	71.5	35
2.0	2.0	2.2	9.9	9.8	9.6	1.4	1.4	1.4	8.1	7.9	7.9	7.7	7.6	7.3	36
10.8	10.8	10.5	21.1	20.8	22.3	3.9	3.9	3.7	14.8	14.8	14.5	29.9	29.6	28.5	37
1.5	1.4	1.6	4.6	4.6	4.6	.8	.8	.8	2.2	2.3	2.4	3.8	3.8	3.8	38
2.2	2.3	2.4	4.1	4.0	3.7	1.0	1.0	1.0	3.1	3.2	3.2	5.7	5.7	5.7	39

New area definition:  
Long Branch, New Jersey--Monmouth County.

Advertisement on page 88 omitted.





**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				
		Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970
	<b>TOTAL PRIVATE</b> .....	\$124.75	\$124.02	\$122.61	\$117.34	\$117.92	\$3.39	\$3.37	\$3.35	\$3.18	\$3.17
	<b>MINING</b> .....	170.89	168.40	167.60	163.35	160.27	4.04	4.00	4.00	3.79	3.78
10	<b>METAL MINING</b> .....	-	166.69	165.85	165.12	162.11	-	3.95	3.93	3.84	3.77
101	Iron ores.....	-	161.19	160.39	160.44	163.97	-	3.98	3.97	3.82	3.84
102	Copper ores.....	-	172.18	173.80	177.75	167.83	-	3.94	3.95	3.95	3.78
11,12	<b>COAL MINING</b> .....	-	192.92	194.28	183.64	181.48	-	4.74	4.75	4.49	4.47
12	Bituminous coal and lignite mining...	-	194.95	196.80	186.18	184.01	-	4.79	4.80	4.53	4.51
13	<b>OIL AND GAS EXTRACTION</b> .....	-	156.14	156.83	153.39	152.01	-	3.70	3.69	3.51	3.56
131,2	Crude petroleum and natural gas fields...	-	164.83	166.87	153.06	153.54	-	4.08	4.11	3.77	3.81
138	Oil and gas field services.....	-	149.55	149.36	153.77	150.96	-	3.43	3.41	3.35	3.40
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	-	155.05	148.33	153.56	147.61	-	3.54	3.54	3.42	3.37
142	Crushed and broken stone.....	-	152.89	141.79	155.64	147.03	-	3.39	3.36	3.34	3.26
	<b>CONTRACT CONSTRUCTION</b> .....	205.53	204.42	196.32	192.91	188.23	5.54	5.51	5.53	5.09	5.06
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	194.91	186.55	180.81	176.18	-	5.34	5.33	4.90	4.84
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	195.29	185.13	192.10	185.38	-	4.87	4.95	4.64	4.60
161	Highway and street construction.....	-	177.68	168.18	172.16	158.28	-	4.42	4.57	4.23	4.09
162	Heavy construction, n.e.c.....	-	205.60	194.53	207.41	202.37	-	5.14	5.16	4.95	4.90
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	213.67	206.04	200.17	197.27	-	5.87	5.87	5.41	5.39
171	Plumbing, heating, air conditioning...	-	224.32	217.63	212.74	210.27	-	5.95	5.93	5.54	5.49
172	Painting, paper hanging, decorating...	-	183.89	180.30	177.79	176.85	-	5.33	5.35	4.98	5.01
173	Electrical work.....	-	246.91	239.91	235.20	233.42	-	6.38	6.33	5.88	5.85
174	Masonry, stonework, and plastering...	-	193.12	178.29	176.10	173.53	-	5.68	5.66	5.21	5.18
176	Roofing and sheetmetal work.....	-	167.24	161.48	164.50	159.57	-	5.21	5.26	4.81	4.85
	<b>MANUFACTURING</b> .....	139.83	139.74	138.29	131.80	132.40	3.54	3.52	3.51	3.32	3.31
19,24,25,32-39	<b>DURABLE GOODS</b> .....	151.18	151.50	149.23	141.50	142.51	3.77	3.75	3.74	3.52	3.51
20-23,26-31	<b>NONDURABLE GOODS</b> .....	125.32	124.87	123.84	118.56	118.78	3.23	3.21	3.20	3.04	3.03
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	156.15	157.59	155.32	146.06	145.66	3.79	3.77	3.77	3.58	3.57
192	Ammunition, except for small arms...	(*)	153.82	152.07	140.75	140.30	(*)	3.68	3.70	3.51	3.49
1925	Complete guided missiles.....	-	183.18	181.89	175.55	175.54	-	4.27	4.30	4.16	4.14
1929	Ammunition, exc. for small arms, nec	-	133.25	130.65	122.85	122.38	-	3.25	3.25	3.15	3.13
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	124.31	123.11	120.56	114.62	112.97	3.10	3.07	3.06	2.88	2.86
242	Sawmills and planing mills.....	118.80	118.00	116.23	110.52	108.47	2.97	2.95	2.95	2.77	2.76
2421	Sawmills and planing mills, general...	-	121.60	120.08	114.00	111.61	-	3.04	3.04	2.85	2.84
243	Millwork, plywood & related products...	130.98	132.36	128.63	112.09	120.99	3.25	3.26	3.24	3.06	3.04
2431	Millwork.....	-	124.58	121.73	117.78	117.69	-	3.17	3.17	3.02	3.01
2432	Veneer and plywood.....	-	138.69	135.71	124.64	123.11	-	3.31	3.27	3.04	3.01
244	Wooden containers.....	(*)	96.26	93.25	91.72	90.71	(*)	2.52	2.50	2.37	2.35
2441,2	Wooden boxes, shooks, and crates...	-	91.48	89.04	89.17	88.78	-	2.42	2.40	2.31	2.30
249	Miscellaneous wood products.....	109.89	109.34	107.74	102.26	101.81	2.70	2.68	2.68	2.55	2.52
25	<b>FURNITURE AND FIXTURES</b> .....	110.01	112.29	109.91	105.65	105.96	2.85	2.85	2.84	2.73	2.71
251	Household furniture.....	105.42	107.32	104.64	98.69	99.07	2.71	2.71	2.69	2.57	2.56
2511	Wood household furniture.....	-	101.96	99.65	95.11	94.71	-	2.53	2.51	2.42	2.41
2512	Upholstered household furniture.....	-	113.10	109.62	103.42	105.54	-	2.90	2.90	2.78	2.77
2515	Mattresses and bedsprings.....	-	116.79	116.10	108.11	106.22	-	3.01	3.00	2.83	2.81
252	Office furniture.....	-	129.30	126.22	123.29	124.34	-	3.29	3.27	3.09	3.07
254	Partitions and fixtures.....	-	135.33	131.41	130.81	132.33	-	3.47	3.44	3.32	3.30
253,9	Other furniture and fixtures.....	114.99	118.04	117.20	114.17	113.37	3.05	3.05	3.06	2.92	2.87
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	148.21	147.80	144.13	139.03	137.12	3.58	3.57	3.55	3.35	3.32
321	Flat glass.....	-	185.44	187.32	179.35	179.78	-	4.49	4.46	4.25	4.24
322	Glass and glassware, pressed or blown	145.84	152.22	151.44	140.88	141.73	3.73	3.74	3.73	3.47	3.44
3221	Glass containers.....	-	162.70	162.29	147.55	147.68	-	3.93	3.92	3.59	3.55
3229	Pressed and blown glass, n.e.c.....	-	138.16	136.67	131.60	133.17	-	3.48	3.46	3.29	3.28
324	Cement, hydraulic.....	(*)	181.83	180.07	167.23	168.04	(*)	4.35	4.36	4.02	4.02
325	Structural clay products.....	(*)	118.73	115.13	113.65	112.56	(*)	2.91	2.90	2.82	2.80
3251	Brick and structural clay tile.....	-	111.78	106.52	108.40	104.14	-	2.70	2.69	2.67	2.61
326	Pottery and related products.....	-	123.52	121.34	114.43	114.43	-	3.20	3.16	2.98	2.98
327	Concrete, gypsum, and plaster products.....	155.59	152.80	143.67	145.15	138.27	3.61	3.57	3.53	3.36	3.30
328,9	Other stone and nonmetallic mineral products.....	147.80	145.79	143.85	137.53	137.78	3.52	3.53	3.50	3.33	3.32
3291	Abrasive products.....	-	139.68	134.23	133.77	137.26	-	3.60	3.57	3.43	3.44

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
-	<b>TOTAL PRIVATE</b> . . . . .	36.8	36.8	36.6	36.9	37.2	-	-	-	-	-
-	<b>MINING</b> . . . . .	42.3	42.1	41.9	43.1	42.4	-	-	-	-	-
10	<b>METAL MINING</b> . . . . .	-	42.2	42.2	43.0	43.0	-	-	-	-	-
101	Iron ores . . . . .	-	40.5	40.4	42.0	42.7	-	-	-	-	-
102	Copper ores . . . . .	-	43.7	44.0	45.0	44.4	-	-	-	-	-
11,12	<b>COAL MINING</b> . . . . .	-	40.7	40.9	40.9	40.6	-	-	-	-	-
12	Bituminous coal and lignite mining . . . . .	-	40.7	41.0	41.1	40.8	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> . . . . .	-	42.2	42.5	43.7	42.7	-	-	-	-	-
131,2	Crude petroleum and natural gas fields . . . . .	-	40.4	40.6	40.6	40.3	-	-	-	-	-
138	Oil and gas field services . . . . .	-	43.6	43.8	45.9	44.4	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> . . . . .	-	43.8	41.9	44.9	43.8	-	-	-	-	-
142	Crushed and broken stone . . . . .	-	45.1	42.2	46.6	45.1	-	-	-	-	-
-	<b>CONTRACT CONSTRUCTION</b> . . . . .	37.1	37.1	35.5	37.9	37.2	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> . . . . .	-	36.5	35.0	36.9	36.4	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> . . . . .	-	40.1	37.4	41.4	40.3	-	-	-	-	-
161	Highway and street construction . . . . .	-	40.2	36.8	40.7	38.7	-	-	-	-	-
162	Heavy construction, n. e. c. . . . .	-	40.0	37.7	41.9	41.3	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> . . . . .	-	36.4	35.1	37.0	36.6	-	-	-	-	-
171	Plumbing, heating, air conditioning . . . . .	-	37.7	36.7	38.4	38.3	-	-	-	-	-
172	Painting, paper hanging, decorating . . . . .	-	34.5	33.7	35.7	35.3	-	-	-	-	-
173	Electrical work . . . . .	-	38.7	37.9	40.0	39.9	-	-	-	-	-
174	Masonry, stonework, and plastering . . . . .	-	34.0	31.5	33.8	33.5	-	-	-	-	-
176	Roofing and sheet metal work . . . . .	-	32.1	30.7	34.2	32.9	-	-	-	-	-
-	<b>MANUFACTURING</b> . . . . .	39.5	39.7	39.4	39.7	40.0	2.6	2.7	2.7	2.8	3.0
19,24,25,32-39	<b>DURABLE GOODS</b> . . . . .	40.1	40.4	39.9	40.2	40.6	2.5	2.7	2.6	2.8	3.1
20-23,26-31	<b>NONDURABLE GOODS</b> . . . . .	38.8	38.9	38.7	39.0	39.2	2.6	2.7	2.7	2.8	3.0
	<i>Durable Goods</i> . . . . .										
19	<b>ORDNANCE AND ACCESSORIES</b> . . . . .	41.2	41.8	41.2	40.8	40.8	-	2.6	2.2	2.2	2.3
192	Ammunition, except for small arms . . . . .	(*)	41.8	41.1	40.1	40.2	-	2.6	2.2	1.8	1.9
1925	Complete guided missiles . . . . .	-	42.9	42.3	42.2	42.4	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec . . . . .	-	41.0	40.2	39.0	39.1	-	-	-	-	-
24	<b>LUMBER AND WOOD PRODUCTS</b> . . . . .	40.1	40.1	39.4	39.8	39.5	-	3.4	3.1	3.6	3.4
242	Sawmills and planing mills . . . . .	40.0	40.0	39.4	39.9	39.3	-	3.7	3.5	4.0	3.7
2421	Sawmills and planing mills, general . . . . .	-	40.0	39.5	40.0	39.3	-	-	-	-	-
243	Millwork, plywood & related products . . . . .	40.3	40.6	39.7	39.9	39.8	-	3.3	2.9	3.2	3.1
2431	Millwork . . . . .	-	39.3	38.4	39.0	39.1	-	-	-	-	-
2432	Veneer and plywood . . . . .	-	41.9	41.5	41.0	40.9	-	-	-	-	-
244	Wooden containers . . . . .	(*)	38.2	37.3	38.7	38.6	-	2.4	2.1	2.8	2.8
2441,2	Wooden boxes, shooks, and crates . . . . .	-	37.8	37.1	38.6	38.6	-	-	-	-	-
249	Miscellaneous wood products . . . . .	40.7	40.8	40.2	40.1	40.4	-	3.1	3.1	3.2	3.3
25	<b>FURNITURE AND FIXTURES</b> . . . . .	38.6	39.4	38.7	38.7	39.1	-	2.2	2.0	2.0	2.4
251	Household furniture . . . . .	38.9	39.6	38.9	38.4	38.7	-	2.4	2.1	1.9	2.2
2511	Wood household furniture . . . . .	-	40.3	39.7	39.3	39.3	-	-	-	-	-
2512	Upholstered household furniture . . . . .	-	39.0	37.8	37.2	38.1	-	-	-	-	-
2515	Mattresses and bedsprings . . . . .	-	38.8	38.7	38.2	37.8	-	-	-	-	-
252	Office furniture . . . . .	-	39.3	38.6	39.9	40.5	-	2.1	2.0	2.9	3.2
254	Partitions and fixtures . . . . .	-	39.0	38.2	39.4	40.1	-	1.5	1.5	2.3	2.9
253,9	Other furniture and fixtures . . . . .	37.7	38.7	38.3	39.1	39.5	-	1.4	1.5	1.9	2.5
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> . . . . .	41.4	41.4	40.6	41.5	41.3	-	4.2	3.7	4.3	4.1
321	Flat glass . . . . .	-	41.3	42.0	42.2	42.4	-	3.6	4.3	4.1	4.1
322	Glass and glassware, pressed or blown . . . . .	39.1	40.7	40.6	40.6	41.2	-	4.3	4.1	4.3	4.4
3221	Glass containers . . . . .	-	41.4	41.4	41.1	41.6	-	-	-	-	-
3229	Pressed and blown glass, n. e. c. . . . .	-	39.7	39.5	40.0	40.6	-	-	-	-	-
324	Cement, hydraulic . . . . .	(*)	41.8	41.3	41.6	41.8	-	3.1	3.0	3.0	3.3
325	Structural clay products . . . . .	(*)	40.8	39.7	40.3	40.2	-	3.7	3.1	3.5	3.4
3251	Brick and structural clay tile . . . . .	-	41.4	39.6	40.6	39.9	-	-	-	-	-
326	Pottery and related products . . . . .	-	38.6	38.4	38.4	38.4	-	2.0	1.9	1.9	2.1
327	Concrete, gypsum and plaster products . . . . .	43.1	42.8	40.7	43.2	41.9	-	5.7	4.5	6.0	5.2
328,9	Other stone and nonmetallic mineral products . . . . .	41.4	41.3	41.1	41.3	41.5	-	3.5	3.6	3.5	3.8
3291	Abrasive products . . . . .	-	38.8	37.6	39.0	39.9	-	-	-	-	-

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				
		Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970
	<i>Durable Goods--Continued</i>										
33	<b>PRIMARY METAL INDUSTRIES</b>	41.0	40.8	40.5	40.4	40.8	-	3.0	3.0	2.9	3.2
331	Blast furnace and basic steel products	(*)	40.7	40.4	39.8	40.2	-	2.6	2.6	2.2	2.4
3312	Blast furnaces and steel mills	-	40.6	40.3	39.8	40.1	-	-	-	-	-
332	Iron and steel foundries	39.7	40.1	40.3	40.5	41.0	-	3.3	3.5	3.7	4.1
3321	Gray iron foundries	-	40.0	40.0	40.3	40.8	-	-	-	-	-
3322	Malleable iron foundries	-	40.8	41.1	39.3	40.6	-	-	-	-	-
3323	Steel foundries	-	40.0	40.5	41.4	41.9	-	-	-	-	-
333.4	Nonferrous metals	41.5	42.0	41.7	41.8	41.8	-	3.9	3.9	4.3	4.3
3334	Primary aluminum	-	41.7	41.4	41.1	41.1	-	-	-	-	-
335	Nonferrous rolling and drawing	42.7	42.2	41.2	41.7	42.2	-	3.8	3.6	3.8	4.1
3351	Copper rolling and drawing	-	41.9	41.2	41.1	41.5	-	-	-	-	-
3352	Aluminum rolling and drawing	-	43.1	42.1	41.7	42.1	-	-	-	-	-
3357	Nonferrous wire drawing and insulating	-	41.6	40.6	42.1	42.6	-	-	-	-	-
336	Nonferrous foundries	38.2	39.2	39.0	39.5	40.2	-	2.2	2.2	2.4	2.8
3361	Aluminum castings	-	39.7	39.0	39.2	40.2	-	-	-	-	-
3362.9	Other nonferrous castings	-	38.7	38.9	39.9	40.2	-	-	-	-	-
339	Miscellaneous primary metal products	(*)	40.4	40.1	40.4	41.2	-	2.9	3.1	3.3	4.0
3391	Iron and steel forgings	-	39.7	39.7	40.1	40.8	-	-	-	-	-
34	<b>FABRICATED METAL PRODUCTS</b>	39.9	40.0	39.8	40.6	40.9	-	2.6	2.6	3.2	3.4
341	Metal cans	(*)	43.3	42.6	42.8	43.3	-	5.2	4.6	4.3	4.3
342	Cutlery, hand tools, and hardware	39.5	39.8	39.4	40.4	40.5	-	2.1	2.1	2.4	2.8
3421.3,5	Cutlery and hand tools, incl. saws	-	39.9	39.7	40.3	40.7	-	-	-	-	-
3429	Hardware, n e c	-	39.8	39.3	40.5	40.3	-	-	-	-	-
343	Plumbing and heating, except electric	(*)	39.4	39.0	38.7	39.5	-	1.9	2.0	1.8	2.3
3431.2	Sanitary ware & plumbers' brass goods	-	39.3	38.7	38.7	39.4	-	-	-	-	-
3433	Heating equipment, except electric	-	39.5	39.2	38.6	39.6	-	-	-	-	-
344	Fabricated structural metal products	39.7	40.1	39.6	40.5	40.6	-	2.4	2.4	2.9	3.1
3441	Fabricated structural steel	-	41.2	40.7	41.0	41.0	-	-	-	-	-
3442	Metal doors, sash, and trim	-	38.9	37.9	38.7	38.7	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	40.5	40.2	41.3	41.3	-	-	-	-	-
3444	Sheet metal work	-	39.8	39.0	39.9	40.3	-	-	-	-	-
3446.9	Architectural and misc. metal work	-	38.8	38.5	40.5	40.5	-	-	-	-	-
345	Screw machine products, bolts, etc.	39.8	39.6	39.4	40.9	41.5	-	2.3	2.1	3.2	4.0
3451	Screw machine products	-	38.9	39.4	41.2	41.4	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	40.2	39.3	40.6	41.6	-	-	-	-	-
346	Metal stampings	39.6	40.0	40.3	41.8	41.6	-	3.0	3.2	4.1	3.7
347	Metal services, n e c	39.4	39.2	38.7	39.5	40.1	-	3.5	3.3	3.9	4.1
348	Misc. fabricated wire products	39.7	39.7	39.5	39.7	40.3	-	2.3	2.3	2.9	3.2
349	Misc. fabricated metal products	(*)	40.1	39.6	40.4	41.1	-	2.2	2.3	3.0	3.5
3494.8	Valves, pipe, and pipe fittings	-	40.1	39.7	40.6	41.2	-	-	-	-	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	40.0	40.5	40.1	41.4	42.1	-	2.4	2.3	3.6	4.0
351	Engines and turbines	39.9	40.4	40.5	41.4	41.4	-	3.3	3.1	3.8	3.9
3511	Steam engines and turbines	-	42.1	41.6	41.7	40.6	-	-	-	-	-
3519	Internal combustion engines, n e c	-	39.6	39.9	41.3	41.8	-	-	-	-	-
352	Farm machinery	-	40.7	40.6	40.1	40.4	-	2.9	2.4	2.5	2.7
353	Construction and related machinery	40.6	40.4	40.2	41.4	42.0	-	2.5	2.5	3.4	3.7
3531.2	Construction and mining machinery	-	41.0	41.0	41.9	42.3	-	-	-	-	-
3533	Oil field machinery	-	41.7	41.3	42.1	42.3	-	-	-	-	-
3535.6	Conveyors, hoists, cranes, monorails	-	39.2	39.1	40.4	41.7	-	-	-	-	-
3537	Industrial trucks and tractors	-	37.0	36.5	38.7	39.8	-	-	-	-	-
354	Metal working machinery	(*)	40.5	40.2	43.6	44.1	-	2.5	2.4	5.3	5.8
3541	Machine tools, metal cutting types	-	39.0	38.6	42.2	43.4	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	42.2	41.7	46.4	46.3	-	-	-	-	-
3545	Machine tool accessories	-	38.7	38.4	41.1	41.6	-	-	-	-	-
3542.8	Misc. metal working machinery	-	39.9	39.9	41.7	42.7	-	-	-	-	-
355	Special industry machinery	39.9	40.3	40.0	41.9	42.4	-	2.1	2.1	3.8	4.1
3551	Food products machinery	-	39.4	39.3	42.5	42.8	-	-	-	-	-
3552	Textile machinery	-	41.1	40.3	40.9	41.4	-	-	-	-	-
3555	Printing trades machinery	-	40.9	40.6	40.7	42.1	-	-	-	-	-
356	General industrial machinery	39.7	39.9	39.4	40.7	41.6	-	1.9	1.8	3.1	3.8
3561	Pumps and compressors	-	40.8	39.9	41.5	41.6	-	-	-	-	-
3562	Ball and roller bearings	-	39.1	38.6	38.9	41.5	-	-	-	-	-
3564	Blowers and fans	-	39.9	39.1	41.1	41.5	-	-	-	-	-
3566	Power transmission equipment	-	40.1	39.8	41.8	42.0	-	-	-	-	-
357	Office and computing machines	39.6	40.7	40.4	40.7	41.3	-	1.8	1.6	2.3	2.8
3573	Electronic computing equipment	-	41.8	41.7	41.3	42.1	-	-	-	-	-
358	Service industry machines	39.4	39.8	39.0	37.8	40.2	-	1.8	1.7	1.6	2.7
3585	Refrigeration machinery	-	40.1	38.9	37.1	40.2	-	-	-	-	-
359	Misc. machinery, except electrical	40.7	41.4	40.9	42.0	42.3	-	3.4	3.3	4.2	4.6

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				
		Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970
	<i>Durable Goods--Continued</i>										
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES...</b>	\$136.72	\$137.76	\$134.85	\$128.30	\$129.92	\$3.47	\$3.47	\$3.44	\$3.24	\$3.24
361	Electric test & distributing equipment ...	(*)	146.29	142.20	136.21	138.17	(*)	3.63	3.60	3.38	3.37
3611	Electric measuring instruments .....	-	127.79	124.94	119.87	121.70	-	3.26	3.22	3.05	3.05
3612	Transformers .....	-	143.11	139.94	139.74	140.95	-	3.56	3.57	3.40	3.38
3613	Switchgear and switchboard apparatus...	-	160.29	155.16	146.57	149.45	-	3.90	3.85	3.61	3.61
362	Electrical industrial apparatus .....	141.33	140.18	137.16	134.06	136.01	3.56	3.54	3.49	3.36	3.35
3621	Motors and generators .....	-	142.48	139.48	138.75	140.01	-	3.58	3.54	3.46	3.44
3622	Industrial controls .....	-	135.54	134.01	122.22	127.76	-	3.44	3.41	3.11	3.21
363	Household appliances .....	147.94	145.20	135.99	136.12	136.40	3.68	3.63	3.56	3.42	3.41
3632	Household refrigerators and freezers ...	-	161.60	145.13	151.84	149.88	-	4.00	3.87	3.74	3.71
3633	Household laundry equipment .....	-	153.58	144.77	145.64	145.27	-	3.83	3.77	3.65	3.65
3634	Electric housewares and fans .....	-	117.90	114.35	109.98	109.87	-	3.00	2.97	2.82	2.81
364	Electric lighting and wiring equipment ...	(*)	128.64	125.71	118.17	119.59	(*)	3.29	3.24	3.03	3.02
3641	Electric lamps .....	-	131.87	127.08	124.71	122.67	-	3.33	3.25	3.11	3.09
3642	Lighting fixtures .....	-	130.47	130.42	116.18	119.47	-	3.38	3.37	3.09	3.04
3643,4	Wiring devices .....	-	125.05	121.20	115.94	117.81	-	3.19	3.14	2.95	2.96
365	Radio and TV receiving equipment .....	122.94	121.16	121.34	107.53	111.07	3.21	3.18	3.16	2.93	2.90
366	Communication equipment .....	(*)	153.41	150.72	147.14	149.76	(*)	3.76	3.74	3.58	3.60
3661	Telephone and telegraph apparatus ....	-	147.13	144.08	147.84	152.15	-	3.66	3.62	3.52	3.58
3662	Radio and TV communication equipment ...	-	159.01	156.29	147.02	147.65	-	3.85	3.84	3.63	3.61
367	Electronic components and accessories ...	118.78	118.08	116.79	108.64	109.09	3.03	3.02	3.01	2.80	2.79
3671-3	Electron tubes .....	-	132.47	130.35	121.35	120.56	-	3.32	3.30	3.08	3.06
3674,9	Other electronic components .....	-	114.37	113.10	106.04	106.47	-	2.94	2.93	2.74	2.73
369	Misc. electrical equipment & supplies....	(*)	150.11	149.31	134.46	136.57	(*)	3.81	3.78	3.43	3.44
3694	Engine electrical equipment .....	-	154.37	153.65	139.37	142.30	-	4.02	3.96	3.62	3.63
37	<b>TRANSPORTATION EQUIPMENT .....</b>	179.82	182.96	181.56	156.80	160.40	4.44	4.43	4.45	4.00	4.01
371	Motor vehicles and equipment .....	(*)	200.55	201.82	157.29	164.34	(*)	4.73	4.76	4.15	4.15
3711	Motor vehicles .....	-	210.70	208.89	155.36	167.38	-	4.90	4.95	4.28	4.27
3712	Passenger car bodies .....	-	239.14	249.57	166.42	170.10	-	5.21	5.31	4.51	4.50
3713	Truck and bus bodies .....	-	144.94	145.33	137.76	138.51	-	3.66	3.67	3.41	3.42
3714	Motor vehicle parts and accessories ...	-	192.15	194.92	151.50	166.44	-	4.63	4.63	4.12	4.13
3715	Truck trailers .....	-	135.72	131.97	126.40	125.51	-	3.41	3.41	3.20	3.21
372	Aircraft and parts .....	(*)	174.17	169.49	165.24	165.64	(*)	4.29	4.28	4.05	4.04
3721	Aircraft .....	-	177.94	170.68	166.05	166.87	-	4.34	4.31	4.10	4.09
3722	Aircraft engines and engine parts .....	-	171.11	169.38	162.01	162.41	-	4.31	4.31	4.03	4.03
3723,9	Other aircraft parts and equipment .....	-	167.68	166.83	166.30	166.66	-	4.12	4.15	3.95	3.94
373	Ship and boat building and repairing .....	(*)	155.17	152.10	150.72	147.68	(*)	3.86	3.89	3.74	3.72
3731	Ship building and repairing .....	-	164.42	159.92	159.56	157.59	-	4.09	4.09	3.93	3.93
3732	Boat building and repairing .....	-	126.05	124.58	119.65	115.89	-	3.12	3.17	3.06	3.01
374	Railroad equipment .....	-	176.51	169.69	168.10	166.04	-	4.38	4.34	4.12	4.12
375,9	Other transportation equipment .....	-	123.50	118.22	118.73	116.74	-	3.25	3.23	3.06	3.04
38	<b>INSTRUMENTS AND RELATED PRODUCTS ..</b>	137.55	137.76	135.98	132.59	133.50	3.50	3.47	3.46	3.29	3.28
381	Engineering & scientific instruments ...	-	159.19	157.60	150.59	151.98	-	3.95	3.94	3.70	3.68
382	Mechanical measuring & control devices..	132.86	133.77	131.92	130.87	133.17	3.46	3.43	3.40	3.28	3.28
3821	Mechanical measuring devices .....	-	134.90	133.72	135.05	136.45	-	3.45	3.42	3.31	3.32
3822	Automatic temperature controls .....	-	131.97	129.79	124.68	128.08	-	3.41	3.38	3.23	3.21
383,5	Optical and ophthalmic goods .....	(*)	125.22	122.68	123.01	122.82	(*)	3.17	3.17	3.06	3.04
385	Ophthalmic goods .....	-	115.74	113.75	112.46	112.63	-	2.96	2.97	2.84	2.83
384	Medical instruments and supplies .....	120.43	122.28	120.04	110.58	112.29	3.08	3.08	3.07	2.85	2.85
386	Photographic equipment and supplies .....	(*)	166.84	116.84	163.20	163.92	(*)	4.14	4.14	3.84	3.83
387	Watches, clocks, and watchcases .....	-	112.58	110.48	108.58	107.92	-	2.85	2.84	2.77	2.76
39	<b>MISC. MANUFACTURING INDUSTRIES .....</b>	113.66	113.68	111.72	108.64	109.20	2.96	2.93	2.94	2.80	2.80
391	Jewelry, silverware, and plated ware....	124.80	124.48	121.48	120.87	121.39	3.20	3.20	3.18	3.06	3.05
394	Toys and sporting goods .....	-	103.57	100.91	98.05	99.72	-	2.69	2.72	2.56	2.57
3941-3	Games, toys, dolls & play vehicles ....	-	97.15	94.74	94.87	95.50	-	2.57	2.61	2.49	2.50
3949	Sporting and athletic goods, n e c .....	-	109.76	106.88	101.90	104.02	-	2.80	2.82	2.64	2.64
395	Pens, pencils, office and art supplies....	-	115.89	114.08	107.25	108.70	-	3.01	3.01	2.75	2.78
396	Costume jewelry and notions .....	-	104.10	104.30	98.30	97.28	-	2.69	2.68	2.56	2.54
393,9	Other manufacturing industries .....	(*)	120.51	119.97	117.00	116.82	(*)	3.09	3.10	3.00	2.98
393	Musical instruments and parts .....	-	122.61	114.52	115.05	114.95	-	3.02	2.99	2.95	2.94
	<i>Nondurable Goods</i>										
20	<b>FOOD AND KINDRED PRODUCTS .....</b>	134.19	133.27	133.20	124.49	124.00	3.38	3.34	3.33	3.12	3.10
201	Meat products .....	143.16	140.14	139.70	134.31	132.59	3.57	3.53	3.51	3.30	3.29
2011	Meat packing plants .....	-	173.04	168.51	160.58	159.29	-	4.12	4.10	3.86	3.82
2013	Sausages and other prepared meats .....	-	150.13	152.40	143.56	144.36	-	3.82	3.81	3.58	3.60
2015	Poultry dressing plants .....	-	79.64	82.06	83.32	79.80	-	2.20	2.20	2.12	2.10

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
	<i>Durable Goods--Continued</i>										
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	39.4	39.7	39.2	39.6	40.1	-	1.9	1.8	2.1	2.4
361	Electric test & distributing equipment	(*)	40.3	39.5	40.3	41.0	-	2.0	1.7	2.2	2.8
3611	Electric measuring instruments	-	39.2	38.8	39.3	39.9	-	-	-	-	-
3612	Transformers	-	40.2	39.2	41.1	41.7	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.1	40.3	40.6	41.4	-	-	-	-	-
362	Electrical industrial apparatus	39.7	39.6	39.3	39.9	40.6	-	1.8	1.8	2.4	2.6
3621	Motors and generators	-	39.8	39.4	40.1	40.7	-	-	-	-	-
3622	Industrial controls	-	39.4	39.3	39.3	39.8	-	-	-	-	-
363	Household appliances	40.2	40.0	38.2	39.8	40.0	-	2.4	1.6	2.3	2.1
3632	Household refrigerators and freezers	-	40.4	37.5	40.6	40.4	-	-	-	-	-
3633	Household laundry equipment	-	40.1	38.4	39.9	39.8	-	-	-	-	-
3634	Electric housewares and fans	-	39.3	38.5	39.0	39.1	-	-	-	-	-
364	Electric lighting and wiring equipment	(*)	39.1	38.8	39.0	39.6	-	1.6	1.5	1.9	2.2
3641	Electric lamps	-	39.6	39.1	40.1	39.7	-	-	-	-	-
3642	Lighting fixtures	-	38.6	38.7	37.6	39.3	-	-	-	-	-
3643,4	Wiring devices	-	39.2	38.6	39.3	39.8	-	-	-	-	-
365	Radio and TV receiving equipment	38.3	38.1	38.4	36.7	38.3	-	1.1	1.6	1.0	1.0
366	Communication equipment	(*)	40.8	40.3	41.1	41.6	-	2.2	2.2	2.7	3.4
3661	Telephone and telegraph apparatus	-	40.2	39.8	42.0	42.5	-	-	-	-	-
3662	Radio and TV communication equipment	-	41.3	40.7	40.5	40.9	-	-	-	-	-
367	Electronic components and accessories	39.2	39.1	38.8	38.8	39.1	-	1.6	1.5	1.7	1.8
3671-3	Electron tubes	-	39.9	39.5	39.4	39.4	-	-	-	-	-
3674,9	Other electronic components	-	38.9	38.6	38.7	39.0	-	-	-	-	-
369	Misc. electrical equipment & supplies	(*)	39.4	39.5	39.2	39.7	-	1.9	2.1	1.6	2.2
3694	Engine electrical equipment	-	38.4	38.8	38.5	39.2	-	-	-	-	-
37	<b>TRANSPORTATION EQUIPMENT</b>	40.5	41.3	40.8	39.2	40.0	-	3.3	3.5	2.2	2.3
371	Motor vehicles and equipment	(*)	42.4	42.4	37.9	39.6	-	4.4	4.8	1.8	2.0
3711	Motor vehicles	-	43.0	42.2	36.3	39.2	-	-	-	-	-
3712	Passenger car bodies	-	45.9	47.0	36.9	37.8	-	-	-	-	-
3713	Truck and bus bodies	-	39.6	39.6	40.4	40.5	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	41.5	42.1	39.2	40.3	-	-	-	-	-
3715	Truck trailers	-	39.8	38.7	39.5	39.1	-	-	-	-	-
372	Aircraft and parts	(*)	40.6	39.6	40.8	41.0	-	1.7	1.7	2.5	2.5
3721	Aircraft	-	41.0	39.6	40.5	40.8	-	-	-	-	-
3722	Aircraft engines and engine parts	-	39.7	39.3	40.2	40.3	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	40.7	40.2	42.1	42.3	-	-	-	-	-
373	Ship and boat building and repairing	(*)	40.2	39.1	40.3	39.7	-	3.0	2.7	3.3	3.0
3731	Ship building and repairing	-	40.2	39.1	40.6	40.1	-	-	-	-	-
3732	Boat building and repairing	-	40.4	39.3	39.1	38.5	-	-	-	-	-
374	Railroad equipment	-	40.3	39.1	40.8	40.3	-	3.1	2.1	3.5	2.7
375,9	Other transportation equipment	-	38.0	36.6	38.8	38.4	-	1.4	1.7	2.0	1.9
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	39.3	39.7	39.3	40.3	40.7	-	1.8	1.6	2.4	2.7
381	Engineering & scientific instruments	-	40.3	40.0	40.7	41.3	-	2.1	2.0	2.5	3.1
382	Mechanical measuring & control devices	38.4	39.0	38.8	39.9	40.6	-	1.5	1.4	2.4	2.9
3821	Mechanical measuring devices	-	39.1	39.1	40.8	41.1	-	-	-	-	-
3822	Automatic temperature controls	-	38.7	38.4	38.6	39.9	-	-	-	-	-
383,5	Optical and ophthalmic goods	(*)	39.5	38.7	40.2	40.4	-	1.8	1.5	2.6	2.7
385	Ophthalmic goods	-	39.1	38.3	39.6	39.8	-	1.7	1.3	2.1	2.1
384	Medical instruments and supplies	39.1	39.7	39.1	38.8	39.4	-	2.1	1.6	1.6	1.8
386	Photographic equipment and supplies	(*)	40.3	40.3	42.5	42.8	-	1.8	1.9	3.2	3.5
387	Watches, clocks, and watch cases	-	39.5	38.9	39.2	39.1	-	1.5	1.4	1.9	1.9
39	<b>MISC. MANUFACTURING INDUSTRIES</b>	38.4	38.8	38.0	38.8	39.0	-	2.0	1.9	2.2	2.4
391	Jewelry, silverware, and plated ware	39.0	38.9	38.2	39.5	39.8	-	2.3	2.2	3.0	3.1
394	Toys and sporting goods	-	38.5	37.1	38.3	38.8	-	1.8	1.6	1.7	2.0
3941-3	Games, toys, dolls, & play vehicles	-	37.8	36.3	38.1	38.2	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.2	37.9	38.6	39.4	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	38.5	37.9	39.0	39.1	-	1.0	.7	1.7	1.9
396	Costume jewelry and notions	-	38.7	37.8	38.4	38.3	-	2.1	1.8	2.4	2.4
393,9	Other manufacturing industries	(*)	39.0	38.7	39.0	39.2	-	2.1	2.1	2.2	2.6
393	Musical instruments and parts	-	40.6	38.3	39.0	39.1	-	2.8	1.9	1.5	1.9
	<i>Nondurable Goods</i>										
20	<b>FOOD AND KINDRED PRODUCTS</b>	39.7	39.9	40.0	39.9	40.0	-	3.3	3.5	3.5	3.5
201	Meat products	40.1	39.7	39.8	40.7	40.3	-	3.5	3.5	4.2	4.0
2011	Meat packing plants	-	42.0	41.1	41.6	41.7	-	-	-	-	-
2013	Sausages and other prepared meats	-	39.3	40.0	40.1	40.1	-	-	-	-	-
2015	Poultry dressing plants	-	36.2	37.3	39.3	38.0	-	-	-	-	-

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				
		Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970
	<i>Nondurable Goods--Continued</i>										
	<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
202	Dairy products.....	41.1	41.2	41.3	41.1	41.2	-	3.7	3.8	3.7	3.8
2024	Ice cream and frozen desserts.....	-	40.3	40.7	40.1	40.8	-	-	-	-	-
2026	Fluid milk.....	-	41.6	41.6	41.2	41.2	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	38.4	38.7	37.7	38.2	-	2.6	2.9	2.7	2.8
2031.6	Canned, cured and frozen sea foods.....	-	36.3	36.9	35.0	36.2	-	-	-	-	-
2032.3	Canned food, except sea foods.....	-	39.3	39.7	38.1	38.2	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	38.1	38.4	38.6	39.4	-	-	-	-	-
204	Grain mill products.....	42.9	43.3	43.7	43.3	44.0	-	5.4	5.9	5.4	5.8
2041	Flour and other grain mill product.....	-	43.3	44.2	43.6	45.4	-	-	-	-	-
2042	Prepared feeds for animals and fowls.....	-	44.5	44.9	44.0	44.2	-	-	-	-	-
205	Bakery products.....	38.7	38.5	38.9	38.6	38.8	-	2.6	2.9	2.9	2.8
2051	Bread, cake, and related products.....	-	38.4	38.7	38.8	38.8	-	-	-	-	-
2052	Cookies and crackers.....	-	38.7	39.6	37.6	38.6	-	-	-	-	-
206	Sugar.....	-	39.6	37.7	40.6	38.7	-	3.6	3.2	3.7	3.1
207	Confectionery and related products.....	(*)	39.5	39.2	38.9	39.3	-	2.4	2.3	2.4	2.5
2071	Confectionery products.....	-	39.2	38.6	38.5	39.0	-	-	-	-	-
208	Beverages.....	40.1	39.6	39.5	39.5	39.6	-	2.9	2.8	3.0	3.0
2082	Malt liquors.....	-	40.9	41.4	40.6	40.9	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	38.9	38.5	39.4	38.8	-	-	-	-	-
209	Misc. foods and kindred products.....	40.7	41.2	41.4	40.8	40.9	-	4.2	4.7	4.0	4.1
21	<b>TOBACCO MANUFACTURES.....</b>	37.2	36.8	35.7	37.1	36.4	-	0.9	1.3	1.6	.9
211	Cigarettes.....	-	36.5	34.7	37.3	35.7	-	0.7	1.3	2.0	.7
212	Cigars.....	-	36.4	36.5	37.0	37.3	-	1.2	1.4	1.1	1.1
22	<b>TEXTILE MILL PRODUCTS.....</b>	40.1	40.3	40.0	39.9	40.1	-	3.5	3.4	3.3	3.4
221	Weaving mills, cotton.....	40.4	40.5	40.7	40.8	40.9	-	3.9	3.7	3.9	4.2
222	Weaving mills, synthetics.....	(*)	40.6	40.6	40.5	40.8	-	3.2	3.2	3.4	3.5
223	Weaving and finishing mills, wool.....	(*)	40.2	39.2	41.4	41.3	-	3.0	2.9	3.9	3.7
224	Narrow fabric mills.....	39.6	40.1	39.7	40.4	40.1	-	2.5	2.3	2.7	2.7
225	Knitting mills.....	37.7	38.1	37.5	37.9	38.2	-	2.5	2.4	2.3	2.4
2251	Women's hosiery, except socks.....	-	35.7	33.7	36.8	37.6	-	-	-	-	-
2252	Hosiery, n e c.....	-	35.7	36.0	36.5	36.9	-	-	-	-	-
2253	Knit outerwear mills.....	-	38.6	38.5	37.7	37.5	-	-	-	-	-
2254	Knit underwear mills.....	-	37.9	37.2	36.7	36.5	-	-	-	-	-
226	Textile finishing, except wool.....	42.3	42.6	42.1	41.0	41.4	-	5.0	4.9	3.9	4.2
227	Floor covering mills.....	-	41.1	41.1	41.2	40.9	-	3.6	3.6	3.2	2.9
228	Yarn and thread mills.....	41.2	41.1	41.0	39.7	40.0	-	4.2	4.0	3.4	3.6
229	Miscellaneous textile goods.....	40.6	41.2	40.9	40.7	40.9	-	3.7	3.6	3.7	3.6
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS.....</b>	35.0	35.3	34.7	35.4	35.8	-	1.2	1.1	1.1	1.3
231	Men's and boys' suits and coats.....	(*)	33.4	33.5	35.7	36.1	-	.7	.6	1.0	1.1
232	Men's and boys' furnishings.....	36.0	35.9	35.1	36.4	36.8	-	1.0	1.0	1.1	1.2
2321	Men's and boys' shirts and nightwear.....	-	34.2	34.1	36.4	37.0	-	-	-	-	-
2327	Men's and boys' separate trousers.....	-	37.4	36.4	36.2	36.9	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	36.3	34.8	36.6	36.7	-	-	-	-	-
233	Women's and misses' outerwear.....	33.8	34.5	33.5	33.8	34.4	-	1.4	1.1	1.1	1.4
2331	Women's and misses' blouses and waists.....	-	34.8	33.2	34.2	35.3	-	-	-	-	-
2335	Women's and misses' dresses.....	-	34.0	33.0	33.3	34.1	-	-	-	-	-
2337	Women's and misses' suits and coats.....	-	33.5	32.8	31.6	32.3	-	-	-	-	-
2339	Women's and misses' outerwear, n e c.....	-	36.3	35.4	36.1	36.4	-	-	-	-	-
234	Women's and children's undergarments.....	34.9	36.0	35.1	35.3	35.7	-	1.1	.9	.8	1.0
2341	Women's and children's underwear.....	-	36.2	35.4	35.4	35.8	-	-	-	-	-
2342	Corsets and allied garments.....	-	35.5	34.5	35.2	35.4	-	-	-	-	-
235	Hats, caps, and millinery.....	-	36.0	35.7	36.0	35.3	-	1.2	.9	1.1	1.2
236	Children's outerwear.....	34.3	35.5	35.0	35.2	35.5	-	1.4	1.0	.9	1.3
2361	Children's dresses and blouses.....	-	36.1	35.3	35.2	34.9	-	-	-	-	-
237.8	Fur goods and miscellaneous apparel.....	-	35.9	35.9	36.0	36.0	-	1.0	1.0	.9	1.0
239	Misc. fabricated textile products.....	37.1	37.0	37.2	36.9	37.2	-	1.6	1.7	1.5	1.7
2391.2	Housefurnishings.....	-	36.8	36.7	36.7	37.2	-	-	-	-	-
26	<b>PAPER AND ALLIED PRODUCTS.....</b>	41.7	41.6	41.4	41.7	42.0	-	4.2	4.2	4.5	4.7
261,2,6	Paper and pulp mills.....	43.4	43.4	43.3	44.0	44.0	-	5.5	5.5	6.2	6.2
263	Paperboard mills.....	(*)	44.4	44.4	43.5	44.5	-	7.0	6.9	6.6	6.9
264	Misc. converted paper products.....	39.9	40.3	39.8	40.3	40.7	-	3.0	2.8	3.1	3.4
2643	Bags, except textile bags.....	-	40.0	39.5	40.6	40.6	-	-	-	-	-
265	Paperboard containers and boxes.....	(*)	40.1	40.0	40.0	40.4	-	3.1	3.1	3.3	3.5
2651.2	Folding and setup paperboard boxes.....	-	39.2	39.3	39.4	40.2	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	40.6	40.1	40.1	40.5	-	-	-	-	-
2654	Sanitary food containers.....	-	40.1	41.2	40.5	40.7	-	-	-	-	-

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				
		Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
	<i>Nondurable Goods--Continued</i>										
27	<b>PRINTING AND PUBLISHING</b>	\$153.26	\$153.38	\$151.37	\$145.15	\$145.92	\$4.12	\$4.09	\$4.08	\$3.85	\$3.84
271	Newspapers	157.30	154.16	155.21	148.45	147.68	4.52	4.43	4.46	4.17	4.16
272	Periodicals	-	177.94	175.74	165.64	165.24	-	4.34	4.35	4.10	4.06
273	Books	-	146.94	141.64	130.68	133.82	-	3.72	3.66	3.43	3.44
275	Commercial printing	158.50	159.36	155.77	150.15	152.49	4.16	4.15	4.11	3.89	3.90
2751	Commercial printing, ex. lithographic	-	153.52	150.84	146.69	147.06	-	4.04	3.98	3.82	3.80
2752	Commercial printing, lithographic	-	168.83	163.78	155.20	161.19	-	4.34	4.31	4.00	4.05
278	Blankbooks and bookbinding	117.69	117.94	114.88	113.02	113.07	3.13	3.12	3.08	2.99	2.96
274,6,7,9	Other publishing & printing ind.	(*)	151.24	150.00	142.88	144.01	(*)	3.98	4.00	3.76	3.76
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	162.57	158.98	158.59	150.18	150.48	3.88	3.84	3.84	3.61	3.60
281	Industrial chemicals	(*)	176.81	177.24	168.00	168.35	(*)	4.23	4.22	4.00	3.98
2812	Alkalies and chlorine	-	176.78	178.06	169.24	171.23	-	4.27	4.27	4.02	4.01
2818	Industrial organic chemicals, n.e.c.	-	187.29	186.43	180.20	179.77	-	4.47	4.46	4.24	4.22
2819	Industrial inorganic chemicals, n.e.c.	-	169.33	169.72	158.98	159.71	-	4.10	4.07	3.84	3.83
282	Plastics materials and synthetics	(*)	155.54	154.05	148.04	147.55	(*)	3.73	3.73	3.55	3.53
2821	Plastics materials and resins	-	169.97	166.32	159.85	160.55	-	3.99	3.96	3.77	3.76
2823,4	Synthetic fibers	-	141.11	140.48	135.22	133.33	-	3.45	3.46	3.29	3.26
283	Drugs	151.44	151.84	151.84	140.88	142.96	3.73	3.74	3.74	3.47	3.47
2834	Pharmaceutical preparations	-	146.69	146.29	135.14	137.16	-	3.64	3.63	3.37	3.37
284	Soap, cleaners, and toilet goods	158.28	157.47	154.33	147.02	147.44	3.87	3.85	3.82	3.63	3.57
2841	Soap and other detergents	-	192.92	189.31	185.89	182.62	-	4.66	4.64	4.49	4.39
2844	Toilet preparations	-	131.95	129.52	120.30	122.96	-	3.25	3.23	3.00	2.97
285	Paints and allied products	150.88	146.25	145.16	136.80	138.11	3.68	3.62	3.62	3.42	3.41
287	Agricultural chemicals	(*)	133.85	133.77	130.98	129.49	(*)	3.12	3.17	2.95	2.97
2871,2	Fertilizers, complete & mixing only	-	128.30	127.62	125.83	123.76	-	2.97	3.01	2.79	2.80
286,9	Other chemical products	149.33	148.83	148.06	140.90	142.69	3.66	3.63	3.62	3.42	3.43
2892	Explosives	-	151.60	152.40	141.69	146.37	-	3.79	3.81	3.56	3.57
29	<b>PETROLEUM AND COAL PRODUCTS</b>	195.11	187.26	189.50	179.77	176.81	4.58	4.48	4.48	4.26	4.23
291	Petroleum refining	207.15	196.30	198.24	188.58	186.01	4.84	4.73	4.72	4.49	4.45
295,9	Other petroleum and coal products	(*)	158.67	159.71	151.36	145.53	(*)	3.69	3.68	3.52	3.49
30	<b>RUBBER AND PLASTICS PRODUCTS, N.E.C.</b>	134.74	132.47	131.47	127.35	127.26	3.36	3.32	3.32	3.16	3.15
301	Tires and inner tubes	(*)	174.64	175.12	178.50	179.35	(*)	4.41	4.40	4.20	4.21
302,3,6	Other rubber products	127.66	127.36	126.80	122.49	123.11	3.24	3.20	3.21	3.07	3.07
302	Rubber footwear	-	109.45	108.19	106.40	104.37	-	2.75	2.76	2.68	2.69
307	Miscellaneous plastics products	119.90	119.80	117.51	111.56	111.32	2.99	2.98	2.96	2.81	2.79
31	<b>LEATHER AND LEATHER PRODUCTS</b>	95.09	96.09	95.20	90.02	91.64	2.57	2.59	2.58	2.48	2.47
311	Leather tanning and finishing	(*)	132.92	127.20	125.45	124.34	(*)	3.29	3.27	3.09	3.07
314	Footwear, except rubber	(*)	92.48	92.37	87.36	89.30	(*)	2.52	2.51	2.42	2.42
312,3,5-7,5	Other leather products	92.12	93.37	92.60	85.56	87.36	2.51	2.51	2.53	2.41	2.40
316	Luggage	-	91.65	90.30	90.50	89.25	-	2.56	2.58	2.50	2.50
317	Handbags and personal leather goods	-	92.50	91.13	80.61	84.71	-	2.48	2.49	2.35	2.34
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	162.41	160.80	161.60	149.25	150.75	4.04	4.01	4.03	3.75	3.75
	<b>RAILROAD TRANSPORTATION</b>										
4011	Class I railroads <sup>2</sup>	-	(*)	(*)	168.78	166.82	-	(*)	(*)	3.81	3.80
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>										
411	Local and suburban transportation	-	145.25	148.04	139.28	137.70	-	3.56	3.55	3.34	3.31
413	Intercity highway transportation	-	164.36	172.21	163.90	159.42	-	4.14	4.19	3.94	3.86
42	<b>TRUCKING AND WAREHOUSING</b>	-	172.20	171.38	143.39	153.59	-	4.20	4.18	3.63	3.71
421,3	Trucking and trucking terminals	-	176.32	175.50	145.76	156.83	-	4.29	4.27	3.67	3.77
422	Public warehousing	-	123.95	124.09	117.21	116.31	-	3.13	3.11	2.99	2.99
46	<b>PIPE LINE TRANSPORTATION</b>	-	197.69	203.63	185.59	188.14	-	4.81	4.86	4.56	4.60
48	<b>COMMUNICATION</b>	-	136.58	138.77	129.87	129.75	-	3.52	3.54	3.33	3.31
481	Telephone communication	-	133.82	135.98	127.47	127.33	-	3.44	3.46	3.26	3.24
4817	Switchboard operating employees <sup>3</sup>	-	98.50	102.14	90.97	90.05	-	2.88	2.91	2.66	2.61
4818	Line construction employees <sup>3</sup>	-	191.59	194.71	177.60	176.67	-	4.22	4.27	4.00	3.97
482	Telegraph communication <sup>5</sup>	-	158.04	160.36	149.16	145.02	-	3.79	3.80	3.56	3.52
483	Radio and television broadcasting	-	153.03	154.19	143.26	142.88	-	4.07	4.09	3.76	3.75

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				
		Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
<i>Nondurable Goods--Continued</i>											
27	PRINTING AND PUBLISHING .....	37.2	37.5	37.1	37.7	38.0	-	2.5	2.4	2.7	3.0
271	Newspapers.....	34.8	34.8	34.8	35.6	35.5	-	1.9	2.2	2.6	2.4
272	Periodicals.....	-	41.0	40.4	40.9	40.7	-	3.8	4.8	3.7	4.2
273	Books .....	-	39.5	38.7	38.1	38.9	-	3.3	2.3	2.3	2.9
275	Commercial printing .....	38.1	38.4	37.9	38.6	39.1	-	2.9	2.7	3.1	3.6
2751	Commercial printing, ex. lithographic .....	-	38.0	37.4	38.4	38.7	-	-	-	-	-
2752	Commercial printing, lithographic .....	-	38.9	38.0	38.8	39.8	-	-	-	-	-
278	Blankbooks and bookbinding .....	37.6	37.8	37.3	37.8	38.2	-	1.6	1.6	1.9	2.3
274,6,7,9	Other publishing & printing ind.....	(*)	38.0	37.5	38.0	38.3	-	2.2	2.0	2.4	2.7
28	CHEMICALS AND ALLIED PRODUCTS..	41.9	41.4	41.3	41.6	41.8	-	2.9	2.8	3.2	3.2
281	Industrial chemicals .....	(*)	41.8	42.0	42.0	42.3	-	3.2	3.3	3.5	3.6
2812	Alkalies and chlorine .....	-	41.4	41.7	42.1	42.7	-	-	-	-	-
2818	Industrial organic chemicals, n.e.c. ....	-	41.9	41.8	42.5	42.6	-	-	-	-	-
2819	Industrial inorganic chemicals, n.e.c. ....	-	41.3	41.7	41.4	41.7	-	-	-	-	-
282	Plastics materials and synthetics .....	(*)	41.7	41.3	41.7	41.8	-	2.5	2.3	2.8	2.5
2821	Plastics materials and resins .....	-	42.6	42.0	42.4	42.7	-	-	-	-	-
2823,4	Synthetic fibers .....	-	40.9	40.6	41.1	40.9	-	-	-	-	-
283	Drugs .....	40.6	40.6	40.6	40.6	41.2	-	2.4	2.5	2.7	3.0
2834	Pharmaceutical preparations .....	-	40.3	40.3	40.1	40.7	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	40.9	40.9	40.4	40.5	41.3	-	2.8	2.5	2.7	3.1
2841	Soap and other detergents .....	-	41.4	40.8	41.4	41.6	-	-	-	-	-
2844	Toilet preparations .....	-	40.6	40.1	40.1	41.4	-	-	-	-	-
285	Paints and allied products .....	41.0	40.4	40.1	40.0	40.5	-	2.4	2.3	2.3	2.4
287	Agricultural chemicals .....	(*)	42.9	42.2	44.4	43.6	-	5.1	4.4	7.0	5.8
2871,2	Fertilizers, complete & mixing only..	-	43.2	42.4	45.1	44.2	-	-	-	-	-
286,9	Other chemical products .....	40.8	41.0	40.9	41.2	41.6	-	2.4	2.7	2.8	2.9
2892	Explosives .....	-	40.0	40.0	39.8	41.0	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS.....	42.6	41.8	42.3	42.2	41.8	-	3.1	3.4	3.6	3.0
291	Petroleum refining.....	42.8	41.5	42.0	42.0	41.8	-	2.3	2.7	3.1	2.6
295,9	Other petroleum and coal products .....	(*)	43.0	43.4	43.0	41.7	-	5.6	6.0	5.3	4.4
30	RUBBER AND PLASTICS PRODUCTS, NEC..	40.1	39.9	39.6	40.3	40.4	-	2.8	2.7	3.3	3.5
301	Tires and inner tubes .....	(*)	39.6	39.8	42.5	42.6	-	2.6	2.6	4.8	5.6
302,3,6	Other rubber products .....	39.4	39.8	39.5	39.9	40.1	-	2.5	2.6	2.9	2.8
302	Rubber footwear .....	-	39.8	39.2	39.7	38.8	-	2.7	3.2	2.7	2.4
307	Miscellaneous plastics products .....	40.1	40.2	39.7	39.7	39.9	-	3.0	2.9	3.1	3.2
31	LEATHER AND LEATHER PRODUCTS.....	37.0	37.1	36.9	36.3	37.1	-	1.7	1.7	1.6	1.7
311	Leather tanning and finishing .....	(*)	40.4	38.9	40.6	40.5	-	3.5	2.9	3.9	3.6
314	Footwear, except rubber .....	(*)	36.7	36.8	36.1	36.9	-	1.6	1.6	1.4	1.6
312,3,5-7,9	Other leather products .....	36.7	37.2	36.6	35.5	36.4	-	1.6	1.6	1.2	1.4
316	Luggage .....	-	35.8	35.0	36.2	35.7	-	1.1	1.7	1.0	1.0
317	Handbags and personal leather goods..	-	37.3	36.6	34.3	36.2	-	1.7	1.8	1.2	1.3
-	TRANSPORTATION AND PUBLIC UTILITIES.....	40.2	40.1	40.1	39.8	40.2	-	-	-	-	-
4011	RAILROAD TRANSPORTATION: Class 1 railroads <sup>2</sup> .....	-	(*)	(*)	44.3	43.9	-	-	-	-	-
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation .....	-	40.8	41.7	41.7	41.6	-	-	-	-	-
413	Intercity highway transportation.....	-	39.7	41.1	41.6	41.3	-	-	-	-	-
42	TRUCKING AND WAREHOUSING .....	-	41.0	41.0	39.5	41.4	-	-	-	-	-
421,3	Trucking and trucking terminals .....	-	41.1	41.1	39.5	41.6	-	-	-	-	-
422	Public warehousing .....	-	39.6	39.9	39.2	38.9	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	41.1	41.9	40.7	40.9	-	-	-	-	-
48	COMMUNICATION .....	-	38.8	39.2	39.0	39.2	-	-	-	-	-
481	Telephone communication .....	-	38.9	39.3	39.1	39.3	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> .....	-	34.2	35.1	34.2	34.5	-	-	-	-	-
4818	Line construction employees <sup>4</sup> .....	-	45.4	45.6	44.4	44.5	-	-	-	-	-
482	Telegraph communication <sup>5</sup> .....	-	41.7	42.2	41.9	41.2	-	-	-	-	-
483	Radio and television broadcasting .....	-	37.6	37.7	38.1	38.1	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970
-	<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>										
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	\$179.24	\$180.53	\$169.33	\$167.27	-	\$4.34	\$4.35	\$4.09	\$4.06
491	Electric companies and systems .....	-	183.06	183.04	173.89	170.57	-	4.39	4.40	4.15	4.11
492	Gas companies and systems .....	-	161.20	162.77	152.22	152.25	-	3.99	3.97	3.74	3.75
493	Combination companies and systems .....	-	198.02	200.22	184.26	182.99	-	4.76	4.79	4.44	4.42
494-7	Water, steam, & sanitary systems .....	-	149.60	152.67	141.86	140.70	-	3.64	3.67	3.46	3.44
-	<b>WHOLESALE AND RETAIL TRADE</b>	\$99.12	98.20	97.92	93.88	93.80	\$2.84	2.83	2.83	2.69	2.68
50	<b>WHOLESALE TRADE</b>	142.63	141.81	141.45	135.66	136.00	3.62	3.59	3.59	3.40	3.40
501	Motor vehicles & automotive equipment .....	-	134.46	134.06	126.14	128.30	-	3.37	3.36	3.13	3.16
502	Drugs, chemicals, and allied products .....	-	143.17	143.22	136.64	137.67	-	3.69	3.72	3.54	3.53
503	Dry goods and apparel .....	-	130.98	132.75	125.56	126.57	-	3.54	3.54	3.44	3.43
504	Groceries and related products .....	-	133.28	134.70	125.53	125.22	-	3.40	3.41	3.17	3.17
506	Electrical goods .....	-	140.75	137.81	136.85	137.92	-	3.51	3.48	3.19	3.23
507	Hardware; plumbing & heating equipment .....	-	137.26	135.77	130.00	129.36	-	3.44	3.42	3.25	3.21
508	Machinery, equipment, and supplies .....	-	156.74	155.54	149.29	150.43	-	3.87	3.85	3.65	3.66
509	Miscellaneous wholesalers .....	-	143.05	142.74	136.81	136.76	-	3.64	3.66	3.49	3.48
52-59	<b>RETAIL TRADE</b>	85.17	84.33	84.07	80.25	80.49	2.55	2.54	2.54	2.41	2.41
53	Retail general merchandise .....	-	77.06	75.71	74.10	74.26	-	2.47	2.45	2.36	2.35
531	Department stores .....	-	80.17	78.48	77.00	77.19	-	2.62	2.59	2.50	2.49
532	Mail order houses .....	-	102.64	98.72	91.19	91.48	-	2.68	2.69	2.54	2.52
533	Variety stores .....	-	56.64	56.54	57.68	57.68	-	1.96	1.97	1.91	1.91
54	Food stores .....	-	90.06	90.03	84.64	84.01	-	2.85	2.84	2.67	2.65
541-3	Grocery, meat, and vegetable stores .....	-	92.22	91.90	86.18	85.54	-	2.90	2.89	2.71	2.69
56	Apparel and accessory stores .....	-	72.38	72.77	69.66	68.95	-	2.32	2.34	2.24	2.21
561	Men's & boys' clothing & furnishings .....	-	85.86	89.98	85.76	83.83	-	2.65	2.76	2.56	2.51
562	Women's ready-to-wear stores .....	-	65.45	65.53	62.10	62.21	-	2.16	2.17	2.07	2.06
565	Family clothing stores .....	-	71.05	71.38	69.18	68.67	-	2.14	2.15	2.09	2.10
566	Shoe stores .....	-	71.27	71.04	67.56	67.42	-	2.36	2.36	2.29	2.27
57	Furniture and home furnishings stores .....	-	111.07	110.70	105.20	105.85	-	3.01	3.00	2.89	2.90
571	Furniture and home furnishings .....	-	111.44	110.40	105.62	106.27	-	3.02	3.00	2.87	2.88
58	Eating and drinking places <sup>6</sup> .....	-	58.59	58.67	56.18	56.55	-	1.94	1.93	1.83	1.83
52,55,59	Other retail trade .....	-	105.28	104.35	100.77	100.02	-	2.80	2.79	2.68	2.66
52	Building materials and farm equipment .....	-	115.34	113.59	110.21	108.31	-	2.92	2.92	2.79	2.77
551,2	Motor vehicle dealers .....	-	137.70	135.41	133.09	130.65	-	3.40	3.36	3.27	3.21
553,9	Other automotive & accessory dealers .....	-	118.14	117.14	109.75	111.11	-	2.84	2.85	2.69	2.71
591	Drug stores and proprietary stores .....	-	77.35	76.79	72.38	72.07	-	2.44	2.43	2.32	2.31
594	Book and stationery stores .....	-	88.18	87.65	82.83	83.75	-	2.64	2.64	2.51	2.50
598	Fuel and ice dealers .....	-	127.48	136.00	118.56	119.55	-	3.14	3.20	2.85	2.86
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup></b>	119.56	119.56	118.86	111.81	112.85	3.24	3.24	3.23	3.03	3.05
60	Banking .....	-	106.27	105.98	101.38	101.38	-	2.88	2.88	2.74	2.74
61	Credit agencies other than banks .....	-	109.79	108.92	103.79	105.66	-	2.92	2.92	2.79	2.81
612	Savings and loan associations .....	-	105.74	105.33	102.40	103.14	-	2.85	2.87	2.76	2.78
62	Security, commodity brokers & services .....	-	200.14	192.62	169.95	172.88	-	5.38	5.22	4.52	4.61
63	Insurance carriers .....	-	125.49	125.49	119.19	120.20	-	3.41	3.41	3.23	3.24
631	Life insurance .....	-	127.07	127.79	120.78	122.14	-	3.52	3.53	3.30	3.31
632	Accident and health insurance .....	-	118.45	116.60	110.60	111.94	-	3.21	3.16	3.03	3.05
633	Fire, marine, and casualty insurance .....	-	126.04	125.33	119.73	120.38	-	3.37	3.36	3.21	3.21
-	<b>SERVICES</b>	102.64	102.00	102.30	95.70	96.81	3.01	3.00	3.00	2.79	2.79
701	Hotels and other lodging places: Hotels, tourist courts, and motels <sup>6</sup> .....	-	71.11	70.22	66.74	67.51	-	2.11	2.09	1.94	1.94
721	Personal Services: Laundries and dry cleaning plants .....	-	79.92	79.34	77.40	76.61	-	2.29	2.28	2.15	2.14
722	Photographic studios .....	-	96.82	95.40	88.10	85.16	-	2.66	2.65	2.51	2.44
781	Motion pictures: Motion picture filming & distributing .....	-	180.38	184.79	173.18	171.05	-	4.81	4.85	4.51	4.42

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				
		Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
-	<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>										
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	41.3	41.5	41.4	41.2	-	-	-	-	-
491	Electric companies and systems.....	-	41.7	41.6	41.9	41.5	-	-	-	-	-
492	Gas companies and systems.....	-	40.4	41.0	40.7	40.6	-	-	-	-	-
493	Combination companies and systems..	-	41.6	41.8	41.5	41.4	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	41.1	41.6	41.0	40.9	-	-	-	-	-
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	34.9	34.7	34.6	34.9	35.0	-	-	-	-	-
50	<b>WHOLESALE TRADE.....</b>	39.4	39.5	39.4	39.9	40.0	-	-	-	-	-
501	Motor vehicles & automotive equipment..	-	39.9	39.9	40.3	40.6	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	38.8	38.5	38.6	39.0	-	-	-	-	-
503	Dry goods and apparel.....	-	37.0	37.5	36.5	36.9	-	-	-	-	-
504	Groceries and related products.....	-	39.2	39.5	39.6	39.5	-	-	-	-	-
506	Electrical goods.....	-	40.1	39.6	42.9	42.7	-	-	-	-	-
507	Hardware; plumbing & heating equipment	-	39.9	39.7	40.0	40.3	-	-	-	-	-
508	Machinery, equipment, and supplies....	-	40.5	40.4	40.9	41.1	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.3	39.0	39.2	39.3	-	-	-	-	-
52-59	<b>RETAIL TRADE.....</b>	33.4	33.2	33.1	33.3	33.4	-	-	-	-	-
53	Retail general merchandise.....	-	31.2	30.9	31.4	31.6	-	-	-	-	-
531	Department stores.....	-	30.6	30.3	30.8	31.0	-	-	-	-	-
532	Mail order houses.....	-	38.3	36.7	35.9	36.3	-	-	-	-	-
533	Variety stores.....	-	28.9	28.7	30.2	30.2	-	-	-	-	-
54	Food stores.....	-	31.6	31.7	31.7	31.7	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores...	-	31.8	31.8	31.8	31.8	-	-	-	-	-
56	Apparel and accessory stores.....	-	31.2	31.1	31.1	31.2	-	-	-	-	-
561	Men's & boys' clothing & furnishings..	-	32.4	32.6	33.5	33.4	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	30.3	30.2	30.0	30.2	-	-	-	-	-
565	Family clothing stores.....	-	33.2	33.2	33.1	32.7	-	-	-	-	-
566	Shoe stores.....	-	30.2	30.1	29.5	29.7	-	-	-	-	-
57	Furniture and home furnishings stores..	-	36.9	36.9	36.4	36.5	-	-	-	-	-
571	Furniture and home furnishings.....	-	36.9	36.8	36.8	36.9	-	-	-	-	-
58	Eating and drinking places <sup>4</sup> .....	-	30.2	30.4	30.7	30.9	-	-	-	-	-
52,55,59	Other retail trade.....	-	37.6	37.4	37.6	37.6	-	-	-	-	-
52	Building materials and farm equipment	-	39.5	38.9	39.5	39.1	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	40.5	40.3	40.7	40.7	-	-	-	-	-
553,9	Other automotive & accessory dealers.	-	41.6	41.1	40.8	41.0	-	-	-	-	-
591	Drug stores and proprietary stores...	-	31.7	31.6	31.2	31.2	-	-	-	-	-
594	Book and stationery stores.....	-	33.4	33.2	33.0	33.5	-	-	-	-	-
598	Fuel and ice dealers.....	-	40.6	42.5	41.6	41.8	-	-	-	-	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup></b>	36.9	36.9	36.8	36.9	37.0	-	-	-	-	-
60	Banking.....	-	36.9	36.8	37.0	37.0	-	-	-	-	-
61	Credit agencies other than banks.....	-	37.6	37.3	37.2	37.6	-	-	-	-	-
612	Savings and loan associations.....	-	37.1	36.7	37.1	37.1	-	-	-	-	-
62	Security, commodity brokers & services.	-	37.2	36.9	37.6	37.5	-	-	-	-	-
63	Insurance carriers.....	-	36.8	36.8	36.9	37.1	-	-	-	-	-
631	Life insurance.....	-	36.1	36.2	36.6	36.9	-	-	-	-	-
632	Accident and health insurance.....	-	36.9	36.9	36.5	36.7	-	-	-	-	-
633	Fire, marine, and casualty insurance..	-	37.4	37.3	37.3	37.5	-	-	-	-	-
-	<b>SERVICES.....</b>	34.1	34.0	34.1	34.3	34.7	-	-	-	-	-
701	Hotels and other lodging places: Hotels, tourist courts, and motels <sup>6</sup> ...	-	33.7	33.6	34.4	34.8	-	-	-	-	-
721	Personal Services: Laundries & dry cleaning plants.....	-	34.9	34.8	36.0	35.8	-	-	-	-	-
722	Photographic studios.....	-	36.4	36.0	35.1	34.9	-	-	-	-	-
781	Motion pictures: Motion picture filming & distributing..	-	37.5	38.1	38.4	38.7	-	-	-	-	-

<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, October 1970: Average weekly earnings \$170.87, average hourly earnings \$3.91, and average weekly hours 43.7; November 1970: Average weekly earnings \$173.05, average hourly earnings \$3.96, and average weekly hours 43.7; December 1970: Average weekly earnings \$174.36, average hourly earnings \$3.99, and average weekly hours 43.7. Annual average 1970: Average weekly earnings \$171.94, average hourly earnings \$3.89, and average weekly hours 44.2.

<sup>3</sup> Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 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.

c=corrected.

p = preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

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

Item	1971		1970										
	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.
<b>EXECUTIVE BRANCH</b>													
Total employment . . . . .	2,608.4	2,602.2	2,656.6	2,611.1	2,606.6	2,611.9	2,637.4	2,662.9	2,672.7	2,728.6	2,802.0	2,721.7	2,658.3
Average weekly hours . . . . .	39.5	39.3	42.9	39.7	39.6	39.4	39.2	39.3	38.9	38.2	37.9	38.2	39.5
Average overtime hours . . . . .	.8	.9	3.8	.9	1.0	.9	.9	.8	.8	.8	.9	.9	1.0
Indexes (1967=100):													
Average weekly earnings . . . . .	139.8	138.8	149.5	134.8	133.1	131.9	128.8	127.0	127.3	125.8	122.7	118.4	122.5
Average hourly earnings . . . . .	139.5	139.2	137.3	133.8	132.4	131.9	129.5	127.3	128.9	129.7	127.6	122.2	122.2
<b>DEPARTMENT OF DEFENSE</b>													
Total employment . . . . .	998.9	999.9	1,003.8	1,006.8	1,009.1	1,013.4	1,021.9	1,034.5	1,044.7	1,048.1	1,053.4	1,057.3	1,069.1
Average weekly hours . . . . .	40.1	40.0	40.0	40.2	40.2	39.9	40.0	39.9	39.3	39.7	40.0	40.0	40.0
Average overtime hours . . . . .	.8	.8	.8	.8	.8	.8	.7	.7	.8	.7	.7	.8	.8
Indexes (1967=100):													
Average weekly earnings . . . . .	141.5	140.1	136.8	135.1	132.4	131.4	128.5	127.9	129.4	131.3	129.8	123.9	123.9
Average hourly earnings . . . . .	142.2	141.1	137.9	135.4	132.7	132.7	129.4	129.2	132.7	133.2	130.8	124.8	124.8
<b>POST OFFICE DEPARTMENT</b>													
Total employment . . . . .	718.7	720.6	776.8	725.0	718.0	718.7	723.5	726.8	723.9	716.5	716.0	713.9	724.8
Average weekly hours . . . . .	39.2	38.8	51.3	39.5	39.1	38.9	38.8	38.5	38.7	38.7	39.0	38.0	39.1
Average overtime hours . . . . .	.8	1.1	11.4	1.2	1.5	.9	.9	.7	.9	1.2	1.6	1.3	1.4
Indexes (1967=100):													
Average weekly earnings . . . . .	137.8	136.1	195.7	136.3	135.6	133.7	132.7	121.6	123.2	123.8	125.4	115.0	118.0
Average hourly earnings . . . . .	135.7	135.4	147.3	133.2	133.8	132.6	132.0	122.0	122.9	123.5	124.1	116.8	116.5
<b>OTHER AGENCIES</b>													
Total employment . . . . .	890.8	881.7	876.0	879.3	879.5	879.8	892.0	901.6	904.1	964.0	1,032.6	950.5	864.4
Average weekly hours . . . . .	39.2	39.1	39.1	39.2	39.2	39.2	38.5	39.2	38.6	36.1	34.9	36.5	39.1
Average overtime hours . . . . .	.8	.8	.8	.9	1.0	1.1	.9	1.0	.9	.7	.7	.8	.8
Indexes (1967=100):													
Average weekly earnings . . . . .	142.3	141.9	134.4	135.0	133.5	133.0	127.7	131.0	129.5	121.6	114.4	116.2	125.5
Average hourly earnings . . . . .	140.8	140.8	133.4	133.7	132.2	131.7	128.7	129.7	130.2	130.7	127.2	123.5	124.5

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>				
	Apr. 1971 <sup>p</sup>	Mar. 1971 <sup>p</sup>	Feb. 1971	Apr. 1970	Mar. 1970
<b>MANUFACTURING</b> . . . . .	\$3.43	\$3.40	\$3.40	\$3.21	\$3.19
<b>DURABLE GOODS</b> . . . . .	3.65	3.63	3.62	3.40	3.38
Ordnance and accessories . . . . .	-	3.66	3.67	3.49	3.47
Lumber and wood products . . . . .	-	2.94	2.95	2.76	2.74
Furniture and fixtures . . . . .	-	2.77	2.77	2.66	2.63
Stone, clay, and glass products . . . . .	-	3.40	3.39	3.18	3.16
Primary metal industries . . . . .	-	3.98	3.95	3.73	3.71
Fabricated metal products . . . . .	-	3.55	3.55	3.36	3.34
Machinery, except electrical . . . . .	-	3.82	3.79	3.60	3.58
Electrical equipment and supplies . . . . .	-	3.39	3.36	3.16	3.14
Transportation equipment . . . . .	-	4.26	4.27	3.89	3.89
Instruments and related products . . . . .	-	3.40	3.39	3.20	3.18
Miscellaneous manufacturing industries . . . . .	-	2.86	2.87	2.73	2.72
<b>NONDURABLE GOODS</b> . . . . .	3.13	3.10	3.10	2.93	2.92
Food and kindred products . . . . .	-	3.21	3.19	2.99	2.97
Tobacco manufactures . . . . .	-	3.08	2.97	2.92	2.86
Textile mill products . . . . .	-	2.44	2.44	2.33	2.32
Apparel and other textile products . . . . .	-	2.43	2.44	2.33	2.35
Paper and allied products . . . . .	-	3.42	3.41	3.20	3.18
Printing and publishing . . . . .	-	(2)	(2)	(2)	(2)
Chemicals and allied products . . . . .	-	3.71	3.71	3.48	3.47
Petroleum and coal products . . . . .	-	4.33	4.30	4.09	4.03
Rubber and plastics products, n e c . . . . .	-	3.21	3.21	3.04	3.01
Leather and leather products . . . . .	-	2.53	2.52	2.43	2.42

<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					
	Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1970	Worker with no dependents			Worker with three dependents		
				Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1970	Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1970
<b>TOTAL PRIVATE:</b>									
Current dollars .....	\$124.02	\$122.61	\$117.92	\$100.42	\$99.34	\$94.78	\$108.95	\$107.85	\$103.39
1967 dollars .....	103.52	102.69	102.99	83.82	83.20	82.78	90.94	90.33	90.30
<b>MINING:</b>									
Current dollars .....	168.40	167.60	160.27	134.78	134.15	<sup>C</sup> 126.49	144.95	144.29	137.09
1967 dollars .....	140.57	140.37	139.97	112.50	112.35	<sup>C</sup> 110.47	120.99	120.85	119.73
<b>CONTRACT CONSTRUCTION:</b>									
Current dollars .....	204.42	196.32	188.23	163.17	156.83	147.88	175.02	168.26	160.15
1967 dollars .....	170.63	164.42	164.39	136.20	131.35	129.15	146.09	140.92	139.87
<b>MANUFACTURING:</b>									
Current dollars .....	139.74	138.29	132.40	112.45	111.34	105.63	121.47	120.31	114.85
1967 dollars .....	116.64	115.82	115.63	93.86	93.25	92.25	101.39	100.76	100.31
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
Current dollars .....	160.80	161.60	150.75	128.76	129.40	119.17	138.61	139.28	129.24
1967 dollars .....	134.22	135.34	131.66	107.48	108.38	104.08	115.70	116.65	112.87
<b>WHOLESALE AND RETAIL TRADE:</b>									
Current dollars .....	98.20	97.92	93.80	81.16	80.95	76.57	88.81	88.59	84.37
1967 dollars .....	81.97	82.01	81.92	67.75	67.80	66.87	74.13	74.20	73.69
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Current dollars .....	119.56	118.86	112.85	97.01	96.47	90.98	105.48	104.94	99.37
1967 dollars .....	99.80	99.55	98.56	80.98	80.80	79.46	88.05	87.89	86.79
<b>SERVICES:</b>									
Current dollars .....	102.00	102.30	96.81	83.99	84.21	78.91	91.81	92.04	86.78
1967 dollars .....	85.14	85.68	84.55	70.11	70.53	68.92	76.64	77.09	75.79
<b>CONSUMER PRICE INDEX</b> (All items, 1967 = 100) .....	119.8	119.4	114.5	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

<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>**

1967 = 100

Industry	Apr. 1971 <sup>P</sup>	Mar. 1971 <sup>P</sup>	Feb. 1971	Apr. 1970	Mar. 1970
	Man-hours				
<b>TOTAL</b> .....	91.8	91.2	89.4	98.0	98.5
<b>MINING</b> .....	98.3	96.2	95.7	101.1	98.0
<b>CONTRACT CONSTRUCTION</b> .....	95.2	87.8	79.8	101.6	95.2
<b>MANUFACTURING</b> .....	91.0	91.6	90.9	97.3	99.1
<b>DURABLE GOODS</b> .....	88.0	88.7	88.1	96.6	98.7
Ordnance and accessories .....	56.6	58.8	60.1	79.5	84.3
Lumber and wood products .....	94.1	92.7	90.4	94.2	94.2
Furniture and fixtures .....	94.0	96.0	94.1	97.5	100.1
Stone, clay, and glass products .....	97.3	95.3	92.7	101.3	99.9
Primary metal industries .....	93.7	93.2	92.2	98.1	99.8
Fabricated metal products .....	91.5	89.8	91.7	99.4	101.0
Machinery, except electrical .....	80.4	82.2	81.9	97.7	100.8
Electrical equipment and supplies .....	85.6	87.7	86.7	96.6	99.1
Transportation equipment .....	87.6	90.5	89.9	93.1	96.8
Instruments and related products .....	86.0	87.0	87.1	99.7	101.2
Miscellaneous manufacturing industries .....	88.7	88.6	85.9	94.3	95.3
<b>NONDURABLE GOODS</b> .....	95.4	95.8	95.0	98.3	99.7
Food and kindred products .....	91.2	91.8	92.2	93.5	95.0
Tobacco manufactures .....	69.2	71.5	75.7	75.8	77.2
Textile mill products .....	95.3	95.3	94.9	98.3	99.0
Apparel and other textile products .....	95.3	96.8	94.0	96.2	98.9
Paper and allied products .....	96.9	97.1	96.9	102.0	102.9
Printing and publishing .....	97.9	98.9	98.0	102.1	103.3
Chemicals and allied products .....	101.0	99.6	98.8	103.9	104.4
Petroleum and coal products .....	100.3	97.5	98.2	100.7	99.1
Rubber and plastics products, nec. .....	103.8	103.8	102.0	109.3	110.6
Leather and leather products .....	85.6	85.7	86.0	87.9	90.6
	Payrolls				
<b>MINING</b> .....	124.4	120.6	120.1	120.2	116.2
<b>CONTRACT CONSTRUCTION</b> .....	128.2	117.7	107.2	125.8	117.1
<b>MANUFACTURING</b> .....	113.9	114.0	112.9	114.2	116.1

<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**  
**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								
	Apr. p	Mar. p	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>TOTAL PRIVATE</b> . . . . .	37.1	37.0	36.9	37.1	37.0	36.9	36.9	36.8	37.2	37.3	37.2	37.1	37.2
<b>MINING</b> . . . . .	42.3	42.9	42.7	42.8	43.0	42.8	42.7	42.0	42.2	42.5	42.4	42.6	43.1
<b>CONTRACT CONSTRUCTION</b> . . . . .	37.5	37.9	36.8	37.1	38.0	37.1	36.9	35.1	37.3	37.4	37.6	38.1	38.3
<b>MANUFACTURING</b> . . . . .	39.8	39.9	39.5	39.8	39.6	39.6	39.4	39.3	39.8	40.1	39.8	39.8	40.0
<i>Overtime hours</i> . . . . .	2.8	2.8	2.9	2.8	2.7	2.7	2.8	2.8	3.0	3.0	3.1	2.9	3.0
<b>DURABLE GOODS</b> . . . . .	40.3	40.5	40.1	40.4	40.1	40.0	39.9	39.8	40.3	40.7	40.4	40.3	40.4
<i>Overtime hours</i> . . . . .	2.7	2.8	2.8	2.7	2.6	2.5	2.6	2.7	2.9	3.1	3.2	3.0	3.0
Ordnance and accessories . . . . .	41.5	42.1	41.7	41.2	40.6	40.2	40.1	39.7	40.4	40.3	40.6	40.8	41.1
Lumber and wood products . . . . .	40.1	40.1	40.1	39.4	39.9	39.9	39.2	39.6	39.8	39.8	39.6	39.7	39.8
Furniture and fixtures . . . . .	39.2	39.7	39.3	39.5	39.6	39.4	39.2	38.3	39.0	39.3	38.9	38.8	39.3
Stone, clay, and glass products . . . . .	41.5	41.9	41.4	41.2	41.4	41.1	41.0	40.9	41.0	41.2	41.1	41.3	41.6
Primary metal industries . . . . .	40.7	40.7	40.6	40.3	39.9	39.6	39.9	40.9	40.4	40.7	40.4	40.2	40.1
Fabricated metal products . . . . .	40.2	40.3	40.2	40.5	40.3	40.0	40.1	39.8	40.6	41.3	40.9	40.6	40.9
Machinery, except electrical . . . . .	40.0	40.2	40.1	40.2	40.4	40.6	40.4	40.1	40.9	41.1	41.1	41.1	41.4
Electrical equipment and supplies . . . . .	39.8	39.8	39.2	39.8	39.7	39.6	39.7	39.2	39.9	40.4	39.5	39.7	40.0
Transportation equipment . . . . .	41.0	41.8	41.5	41.3	40.2	39.9	39.8	39.8	40.7	41.2	41.6	40.3	39.7
Instruments and related products . . . . .	39.5	39.7	39.3	39.7	39.6	40.0	39.8	39.4	40.0	40.3	40.2	40.1	40.5
Miscellaneous manufacturing industries . . . . .	38.6	38.8	37.8	38.8	38.8	38.6	38.3	38.1	38.6	39.1	38.6	38.7	39.0
<b>NONDURABLE GOODS</b> . . . . .	39.2	39.1	38.9	39.3	39.1	38.9	38.9	38.6	39.1	39.3	39.0	39.1	39.4
<i>Overtime hours</i> . . . . .	2.8	2.9	2.9	2.9	2.9	2.8	2.8	2.8	3.0	2.9	3.0	3.0	3.0
Food and kindred products . . . . .	40.4	40.4	40.7	40.8	40.5	40.4	40.5	40.0	40.7	40.2	40.3	40.7	40.6
Tobacco manufactures . . . . .	38.4	37.9	36.1	39.4	39.0	38.4	38.1	36.1	37.4	37.9	37.4	37.1	38.3
Textile mill products . . . . .	40.8	40.4	40.1	40.4	39.7	39.6	39.6	38.8	39.9	40.3	40.0	39.8	40.6
Apparel and other textile products . . . . .	35.1	35.1	34.7	35.2	35.4	35.4	34.9	34.2	35.1	35.5	35.2	35.1	35.5
Paper and allied products . . . . .	42.1	41.8	41.8	41.9	41.5	41.6	41.7	41.4	41.7	41.7	41.6	41.8	42.1
Printing and publishing . . . . .	37.4	37.5	37.3	37.7	37.6	37.5	37.4	37.4	37.6	37.9	37.7	37.7	37.9
Chemicals and allied products . . . . .	41.7	41.4	41.5	41.6	41.4	41.3	41.3	42.0	41.3	41.5	41.5	41.5	41.4
Petroleum and coal products . . . . .	42.3	42.2	43.3	42.6	43.5	43.0	43.2	43.0	43.1	42.6	42.6	42.5	41.9
Rubber and plastics products, nec . . . . .	40.5	40.2	40.0	40.1	39.5	39.4	39.6	40.0	40.4	40.8	40.4	40.0	40.7
Leather and leather products . . . . .	38.1	37.4	36.6	37.0	37.3	37.1	37.0	36.5	36.8	37.6	37.6	37.7	37.4
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> . . . . .	40.6	40.5	40.3	40.1	39.9	40.2	40.5	40.5	40.6	40.7	40.6	40.6	40.2
<b>WHOLESALE AND RETAIL TRADE</b> . . . . .	35.3	35.0	35.0	35.0	35.1	35.3	35.3	35.2	35.4	35.4	35.4	35.4	35.3
<b>WHOLESALE TRADE</b> . . . . .	39.6	39.6	39.6	39.7	39.9	39.8	39.9	39.7	39.9	40.0	39.9	40.1	40.1
<b>RETAIL TRADE</b> . . . . .	33.8	33.6	33.5	33.6	33.6	33.8	33.8	33.8	33.9	33.9	33.8	33.9	33.7
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> . . . . .	36.9	36.9	36.8	36.7	36.6	36.8	36.7	36.7	36.9	36.8	36.7	36.8	36.9
<b>SERVICES</b> . . . . .	34.2	34.0	34.2	34.2	34.4	34.4	34.4	34.5	34.7	34.6	34.4	34.5	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**

Industry	1967 = 100												
	1971					1970							
	Apr. <sup>p</sup>	Mar. <sup>p</sup>	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>TOTAL</b> .....	94.0	94.1	93.2	94.1	94.6	92.1	92.4	94.6	96.6	97.9	97.9	98.3	100.3
<b>MINING</b> .....	99.3	101.1	101.1	101.7	101.8	101.7	100.8	99.0	99.0	99.7	99.9	100.2	102.2
<b>CONTRACT CONSTRUCTION</b> .....	101.1	100.2	95.3	97.6	103.0	100.0	98.6	93.1	100.8	101.4	102.1	104.4	107.8
<b>MANUFACTURING</b> .....	92.6	92.7	92.5	93.3	92.9	90.4	91.1	94.7	95.8	97.2	97.1	97.1	99.0
<b>DURABLE GOODS</b> .....	88.7	89.4	89.2	89.8	89.6	85.7	86.9	92.9	93.9	95.5	95.6	95.7	97.5
<b>Ordinance and accessories</b> .....	57.7	59.7	60.8	62.4	63.7	65.3	67.3	69.9	71.7	72.7	76.5	79.2	80.9
Lumber and wood products .....	96.1	95.3	95.3	92.9	93.3	94.1	93.0	93.9	93.6	93.6	93.9	95.3	96.1
Furniture and fixtures .....	96.3	97.3	96.1	96.8	96.8	97.1	96.9	95.4	95.8	96.8	95.6	96.1	100.2
Stone, clay, and glass products .....	98.4	99.1	98.7	98.3	99.3	97.8	98.6	99.3	98.6	98.9	99.8	100.5	102.4
Primary metal industries .....	92.3	92.8	92.5	91.8	90.7	89.2	92.1	98.3	95.7	96.5	95.9	95.7	96.6
Fabricated metal products .....	92.9	91.2	93.2	93.9	94.1	90.1	91.9	97.2	98.5	100.0	98.9	98.5	101.0
Machinery, except electrical .....	79.8	80.9	81.1	82.1	83.8	84.9	85.5	88.2	90.4	92.8	93.2	94.5	97.1
Electrical equipment and supplies .....	87.6	88.6	86.7	88.5	88.8	88.0	90.6	92.8	95.1	98.0	96.4	96.7	98.8
Transportation equipment .....	88.5	90.5	90.6	91.3	87.8	68.0	68.6	90.2	92.2	93.7	96.0	93.6	94.1
Instruments and related products .....	87.0	87.1	87.3	89.2	89.3	90.9	91.5	92.6	94.3	96.4	96.9	98.7	100.7
Miscellaneous manufacturing industries .....	91.4	91.9	90.1	92.5	93.1	90.3	90.7	92.0	93.5	95.0	94.6	95.4	97.1
<b>NONDURABLE GOODS</b> .....	98.2	97.7	97.3	98.3	97.7	97.4	97.1	97.3	98.5	99.8	99.4	99.2	101.2
Food and kindred products .....	99.3	99.8	100.7	100.7	99.8	99.3	98.8	98.3	100.4	99.6	100.8	101.9	101.8
Tobacco manufactures .....	82.2	81.2	79.8	87.1	84.9	86.3	84.3	79.8	90.6	89.2	88.0	88.6	90.1
Textile mill products .....	97.3	95.9	95.8	97.1	94.9	94.3	94.6	93.7	96.1	97.3	96.9	97.6	100.5
Apparel and other textile products .....	96.4	95.5	93.4	95.4	95.9	95.4	93.7	92.9	95.0	97.5	95.9	95.0	97.3
Paper and allied products .....	98.9	98.6	98.8	99.6	98.8	99.4	99.1	99.8	100.0	100.7	101.4	102.3	104.0
Printing and publishing .....	98.4	99.0	98.7	100.0	100.3	99.7	99.6	100.2	100.1	101.5	100.8	101.1	102.6
Chemicals and allied products .....	99.8	99.2	100.0	100.6	100.1	100.2	101.2	103.4	101.0	102.0	101.7	102.2	102.6
Petroleum and coal products .....	101.2	100.9	103.6	101.9	103.2	102.0	102.5	101.1	103.1	102.8	102.8	102.5	101.1
Rubber and plastics products, nec .....	105.8	105.2	103.3	102.5	100.8	100.5	102.0	106.2	106.5	110.3	106.8	100.3	111.5
Leather and leather products .....	89.4	86.5	84.9	86.5	86.9	87.1	87.8	86.9	88.0	92.5	92.8	92.4	92.0

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

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

Industry division	Annual rate, millions of man-hours <sup>2</sup>			Percent change <sup>3</sup>		
	April 1971 <sup>p</sup>	March 1971 <sup>p</sup>	February 1971	March 1971 to April 1971	February 1971 to March 1971	April 1970 to April 1971
<b>TOTAL - ALL INDUSTRIES</b> .....	137,971	137,840	136,755	1.1	9.9	- 1.3
<b>TOTAL - PRIVATE</b> .....	111,772	111,577	111,098	2.1	5.3	- 1.8
<b>MINING</b> .....	1,366	1,388	1,383	-17.4	4.4	- 2.0
<b>CONTRACT CONSTRUCTION</b> .....	6,449	6,421	6,120	5.4	77.9	- 5.5
<b>MANUFACTURING</b> .....	38,481	38,621	38,440	4.3	5.8	- 6.2
<b>TRANSPORTATION AND PUBLIC   UTILITIES</b> .....	9,460	9,513	9,474	10.9	0.0	1.3
<b>WHOLESALE AND RETAIL TRADE</b> .....	27,796	27,558	27,557	- 6.5	5.1	1.0
<b>FINANCE, INSURANCE, AND REAL   ESTATE</b> .....	7,251	7,201	7,166	8.7	6.0	2.9
<b>SERVICES</b> .....	20,969	20,875	20,958	5.5	- 4.7	1.4
<b>GOVERNMENT</b> .....	26,199	26,263	25,657	- 2.9	32.3	1.0

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

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

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

<sup>p</sup> preliminary.

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



**OUTPUT PER MAN-HOUR  
SEASONALLY ADJUSTED**

**C-10: Output per man-hour, hourly compensation, and unit labor costs,  
private economy,<sup>1</sup> seasonally adjusted**

(Indexes 1967 = 100)

Year and quarter	Output		Man-hours <sup>2</sup>		Output per man-hour		Compensation per man-hour <sup>3</sup>		Real compensation per man-hour <sup>4</sup>		Unit labor costs		Unit nonlabor payments <sup>5</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	103.3	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	126.7	125.3	106.9	105.7	120.2	120.1	108.1	108.4	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 P	108.6	109.0	101.7	103.0	106.8	105.8	129.6	128.1	108.5	107.3	121.4	121.1	109.5	109.9	116.8	116.8
Percent change over previous quarter at annual rate <sup>6</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	6.7	6.1	1.3	0.7	6.7	7.7	4.3	6.5	5.8	7.2
1971: 1st quarter P	6.8	7.6	1.5	1.6	5.3	5.9	9.4	9.3	6.3	6.2	3.9	3.3	5.4	5.7	4.5	4.1
Percent change over previous year <sup>7</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	6.7	6.6	0.9	0.9	5.2	5.6	4.5	5.1	5.0	5.4
1971: 1st quarter P	1.1	1.0	- 2.1	- 2.1	3.3	3.2	7.3	7.3	2.4	2.3	3.8	4.0	6.4	7.6	4.8	5.2

<sup>1</sup> The private economy includes government enterprises which cover over half their current operating expenses by the sale of goods and services, e.g., Post Office, TVA, State liquor stores, etc. This comprises about 10 percent of total civilian government employment.

<sup>2</sup> Man-hours refer to hours paid for all persons—wage and salaried workers, self-employed, unpaid family workers and private household workers—and are based largely on establishment data.

<sup>3</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>4</sup> Compensation per man-hour adjusted for changes in the Consumer Price Index.

<sup>5</sup> Nonlabor payments include profits, depreciation, interest, rental income, and indirect taxes.

<sup>6</sup> Percent change computed from original data.

<sup>7</sup> Current quarter divided by comparable quarter a year ago.

p—preliminary.

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, Office of Productivity and Technology. 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-								
	1971	1970				1969			
	Mar. <sup>P</sup>	Dec.	Sept.	June	Mar.	Dec.	Sept.	June	Mar.
Average hourly compensation:									
All persons, total private economy	7.3	6.7	7.2	7.3	7.4	7.3	7.2	7.2	7.3
All employees, private nonfarm economy	7.5	6.7	7.0	6.8	6.8	6.6	6.8	6.7	6.6
Average hourly earnings, private nonfarm economy <sup>2</sup>	6.4	5.3	6.0	6.0	6.4	7.1	7.0	6.8	6.6
Mining	5.9	6.4	6.5	6.6	6.9	7.9	7.7	7.4	7.1
Contract construction	8.9	8.7	9.5	9.0	10.2	9.7	8.9	8.5	6.6
Manufacturing	6.5	4.4	5.5	5.6	5.6	6.0	6.5	5.9	6.0
Excluding effects of overtime and interindustry employment shifts	7.0	6.4	6.7	6.5	6.1	5.9	6.1	5.7	5.8
Transportation and public utilities	7.1	6.5	6.1	5.3	5.8	5.9	6.3	6.2	6.4
Wholesale and retail trade	5.8	5.5	6.2	6.1	6.6	6.6	6.3	6.0	6.6
Finance, insurance, and real estate	6.1	5.5	5.3	4.6	5.0	5.4	5.4	6.4	8.1
Services	8.2	8.3	8.3	7.8	8.2	8.0	7.6	8.6	7.7
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	(*)	10.5	10.4	14.8	9.8	9.6	10.4	7.5	6.9
Average union scales, 7 building trades:									
Wages and selected benefits	13.5	13.0	12.7	12.9	10.1	10.6	9.4	9.8	9.1
Hourly wage rates	12.3	11.9	11.7	11.8	9.1	9.4	8.5	8.7	7.7
Wage rates, hired farm labor	6.2	5.6	6.2	5.1	4.5	6.6	6.6	9.0	10.7
Average weekly earnings, private nonfarm economy: <sup>2</sup>									
Current dollars	5.3	3.6	4.3	4.4	5.7	6.6	6.4	6.7	6.2
1967 dollars	.4	-2.0	-1.4	-1.6	-.5	.7	.7	1.2	1.3
Real spendable earnings (worker and 3 dependents, 1967 dollars)	.6	-1.5	-.9	-1.3	-.4	-.5	-.7	-.2	-.2

<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.

<sup>P</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								
	1971	1970				1969			
	Mar. <sup>P</sup>	Dec.	Sept.	June	Mar.	Dec.	Sept.	June	Mar.
Average hourly compensation:									
All persons, total private economy	9.4	6.7	7.7	5.3	6.8	8.8	8.2	5.9	6.2
All employees, private nonfarm economy	9.5	6.5	8.0	5.9	6.4	7.5	7.3	5.8	5.7
Average hourly earnings, private nonfarm economy <sup>1</sup>	8.4	4.6	6.8	6.1	3.9	7.1	6.8	7.9	6.6
Mining	5.5	7.1	6.8	4.3	7.4	7.6	7.3	5.4	11.3
Contract construction	8.7	7.8	11.3	7.9	8.0	10.9	9.0	12.8	6.3
Manufacturing	11.8	.8	7.4	6.2	3.3	5.1	7.8	6.1	4.8
Excluding effects of overtime and interindustry employment shifts	8.8	4.6	7.5	7.3	6.1	5.8	6.9	5.6	5.4
Transportation and public utilities	7.3	5.2	11.0	5.1	4.8	3.7	7.6	7.3	5.0
Wholesale and retail trade	6.4	4.5	8.7	3.6	5.2	7.4	8.2	5.5	5.5
Finance, insurance, and real estate	8.3	7.5	8.2	.4	5.9	7.0	5.2	1.9	7.8
Services	9.4	9.7	7.3	6.4	9.7	9.9	5.2	8.1	8.8
Average hourly earnings, all Federal executive branch employees <sup>2</sup>	(*)	3.8	2.6	5.3	1.7	3.7	4.7	2.5	1.1
Average union scales, 7 building trades:									
Wages and selected benefits	9.0	12.5	8.5	24.9	7.1	11.2	9.3	13.0	9.0
Hourly wage rates	9.3	10.2	7.8	22.5	7.6	9.6	8.0	11.3	8.7
Wage rates, hired farm labor	2.4	(3)	15.4	7.6	(3)	2.5	10.6	5.3	8.1
Average weekly earnings, private nonfarm economy: <sup>1</sup>									
Current dollars	10.0	2.5	5.8	3.1	2.9	5.4	6.1	8.3	6.4
1967 dollars	5.9	-3.1	1.8	-2.8	-3.8	-.6	.9	1.6	.9
Real spendable earnings (worker and 3 dependents, 1967 dollars)	7.7	-3.3	1.1	-2.8	-1.0	-1.1	-.1	.5	-1.4

<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.

<sup>P</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								
	Apr. <sup>P</sup>	Mar. <sup>P</sup>	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
Average hourly earnings, private nonfarm economy <sup>2</sup>	6.6	6.3	6.3	6.7	5.7	5.1	5.1	5.8	6.2	5.9	5.6	6.0	6.3
Mining	6.6	5.8	6.1	5.9	6.5	6.5	6.3	6.6	6.6	6.4	7.3	6.1	6.5
Contract construction	8.8	8.9	9.3	8.5	8.0	9.1	9.1	8.8	10.4	9.4	9.0	8.2	9.6
Manufacturing	6.6	6.3	6.7	6.4	5.5	4.0	3.7	5.6	5.3	5.6	5.7	5.7	5.4
Excluding effects of overtime and interindustry employment shifts	(*)	6.8	7.2 <sup>P</sup>	7.1	7.0	6.1	5.9	6.9	6.5	6.6	6.6	6.5	6.3
Transportation and public utilities	7.7	6.9	7.5	7.0	6.7	6.2	6.5	6.0	6.3	6.0	6.1	5.0	4.7
Wholesale and retail trade	6.0	5.6	5.6	6.1	5.3	5.3	5.7	6.2	6.2	6.3	5.9	5.9	6.4
Finance, insurance, and real estate	7.3	6.2	6.3	5.7	5.7	5.0	5.7	5.4	5.4	5.2	3.8	4.8	5.2
Services	7.9	7.5	8.3	8.8	8.5	8.1	8.2	8.6	8.7	7.6	7.6	7.7	8.1
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	(*)	(*)	14.2	13.7	11.4	10.0	9.9	9.9	9.9	11.4	15.2	14.8	14.5
Average weekly earnings, private nonfarm economy: <sup>2</sup>													
Current dollars	6.3	5.2	5.2	5.6	4.1	3.1	3.5	3.3	4.8	4.8	4.2	4.3	4.6
1967 dollars	(*)	.5	.3	.3	-1.3	-2.3	-2.2	-2.3	-.8	-1.1	-1.7	-1.8	-1.3
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	.7	.6	.5	-.9	-1.8	-1.8	-1.8	-.4	-.7	-1.3	-1.4	-1.0

<sup>1</sup> Current month divided by same month a year earlier.

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

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

\* Not available.  
p= preliminary.

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

**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								
	Apr. <sup>P</sup>	Mar. <sup>P</sup>	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
Average hourly earnings, private nonfarm economy <sup>2</sup>	8.1	6.8	5.6	6.9	7.0	5.1	5.1	5.7	7.1	6.5	4.5	5.2	5.2
Mining	6.2	6.3	6.3	6.3	5.8	8.1	7.0	5.3	5.9	5.4	7.2	4.9	5.5
Contract construction	8.4	8.9	6.9	9.0	8.3	11.2	9.2	8.8	11.8	8.1	7.7	7.0	9.1
Manufacturing	10.3	5.9	6.0	6.6	6.0	3.0	3.0	6.8	7.5	6.2	4.9	5.0	4.4
Excluding effects of overtime and interindustry employment shifts	(*)	6.4	6.7 <sup>P</sup>	6.9	7.3	5.1	5.7	7.3	7.7	7.2	6.7	7.1	6.2
Transportation and public utilities	6.2	6.2	5.7	6.8	6.9	8.1	9.2	7.6	9.3	7.1	6.6	4.4	3.8
Wholesale and retail trade	5.1	5.2	5.2	6.0	6.8	6.1	6.9	6.1	6.1	6.2	3.8	4.5	4.7
Finance, insurance, and real estate	7.2	9.2	7.2	7.3	8.8	7.4	7.4	3.3	5.4	4.0	2.7	2.7	4.1
Services	8.4	8.5	9.3	10.9	8.7	9.5	7.3	6.5	7.4	6.7	8.3	6.7	9.2
Average hourly earnings, all Federal executive branch employees <sup>3</sup>	(*)	(*)	7.7	9.3	6.5	6.4	3.8	7.9	6.0	4.0	4.6	6.7	5.9
Average weekly earnings, private nonfarm economy: <sup>2</sup>													
Current dollars	9.3	8.5	4.6	5.6	5.5	3.5	3.4	2.0	5.8	5.5	2.7	2.8	3.5
1967 dollars	(*)	3.7	-.3	.6	-.4	-.9	-1.4	-2.6	1.0	.1	-3.0	-3.8	-3.1
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	3.9	.8	1.4	-.4	-1.2	-1.7	-2.4	.4	-.4	-1.4	-2.5	-1.8

<sup>1</sup> Current month divided by month 6 months earlier.

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

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

\* Not available.  
p= preliminary.

NOTE: See technical description at end of table C-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		
	Apr. <sup>P</sup>	Mar. <sup>P</sup>	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
<b>Average hourly compensation:</b>													
All persons, total private economy quarterly indexes (1967 = 100) . . . . .	-	-	129.6	-	-	126.7	-	-	124.7	-	-	122.4	-
All employees, private nonfarm economy quarterly indexes (1967 = 100) . . . . .	-	-	128.3	-	-	125.4	-	-	123.4	-	-	121.1	-
<b>Average hourly earnings, private nonfarm economy<sup>2</sup></b>													
Mining . . . . .	\$ 3.40	\$ 3.38	\$ 3.35	\$ 3.34	\$ 3.32	\$ 3.28	\$ 3.27	\$ 3.27	\$ 3.26	\$ 3.23	\$ 3.21	\$ 3.20	\$ 3.19
Contract construction . . . . .	4.03	4.01	3.99	3.96	3.94	3.95	3.91	3.89	3.87	3.84	3.83	3.80	3.78
Manufacturing . . . . .	5.59	5.53	5.51	5.47	5.40	5.40	5.37	5.30	5.33	5.24	5.19	5.12	5.14
Excluding effects of overtime and interindustry employment shifts monthly indexes (1967 = 100) . . . . .	3.54	3.52	3.50	3.49	3.46	3.39	3.37	3.42	3.40	3.38	3.36	3.34	3.32
Transportation . . . . .	(*)	125.3	124.8 <sup>P</sup>	124.2	123.6	121.8	121.1	121.5	120.8	120.1	119.3	118.8	117.8
Wholesale and retail trade . . . . .	\$ 4.05	\$ 4.03	\$ 4.02	\$ 4.00	\$ 3.97	\$ 3.94	\$ 3.93	\$ 3.91	\$ 3.87	\$ 3.84	\$ 3.84	\$ 3.79	\$ 3.76
Finance, insurance, and real estate . . . . .	2.83	2.82	2.81	2.80	2.78	2.76	2.76	2.75	2.74	2.72	2.69	2.68	2.67
Services . . . . .	3.24	3.24	3.21	3.17	3.16	3.14	3.13	3.10	3.10	3.06	3.03	3.03	3.02
Average hourly earnings, all Federal executive branch employees, <sup>3</sup> monthly indexes (1967 = 100) . . . . .	3.02	3.01	2.99	2.98	2.94	2.94	2.90	2.89	2.86	2.83	2.82	2.81	2.80
Average hourly earnings, all Federal executive branch employees, <sup>3</sup> monthly indexes (1967 = 100) . . . . .	(*)	(*)	139.5	139.2	137.3	133.8	132.4	131.9	129.5	127.3	128.9	129.7	127.6
<b>Average union scales, 7 building trades:</b>													
Wages and selected benefits, quarterly indexes (July 1967 = 100) . . . . .	140.8	-	-	137.8	-	-	133.8	-	-	131.1	-	-	124.0
Hourly wage rates, quarterly indexes (July 1967 = 100) . . . . .	135.9	-	-	132.9	-	-	129.7	-	-	127.3	-	-	121.0
Wage rates, hired farm labor . . . . .	\$ 1.72	-	-	\$ 1.71	-	-	\$ 1.71	-	-	\$ 1.65	-	-	\$ 1.62
<b>Average weekly earnings, private nonfarm economy:<sup>2</sup></b>													
Current dollars . . . . .	126.14	125.15	123.97	123.69	122.55	120.83	120.64	120.17	121.23	120.37	119.33	118.76	118.65
1967 dollars . . . . .	(*)	104.35	103.62	103.56	102.80	102.07	102.25	102.47	103.80	103.24	102.60	102.54	102.99
Real spendable earnings (worker and 3 dependents, 1967 dollars) . . . . .	(*)	91.49	91.06	91.01	89.72	89.35	89.49	89.74	90.71	90.36	89.90	89.87	90.27

<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. <sup>P</sup> 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		
	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970
ALABAMA	\$119.10	\$116.52	\$113.24	40.1	39.5	40.3	\$2.97	\$2.95	\$2.81
Birmingham	142.21	137.55	136.04	40.4	39.3	41.1	3.52	3.50	3.31
Mobile	142.00	137.30	130.73	41.4	40.5	41.9	3.43	3.39	3.12
ALASKA	(*)	207.67	202.00	(*)	38.6	40.4	(*)	5.38	5.00
ARIZONA	143.82	143.20	129.82	40.4	40.0	39.7	3.56	3.58	3.27
Phoenix	147.53	143.28	130.81	40.2	39.8	39.4	3.67	3.60	3.32
Tucson	136.62	137.94	132.51	39.6	39.3	40.4	3.45	3.51	3.28
ARKANSAS	102.56	100.62	96.04	39.6	39.0	39.2	2.59	2.58	2.45
Fort Smith	98.53	95.48	90.62	39.1	38.5	38.4	2.52	2.48	2.36
Little Rock-North Little Rock	107.96	105.26	100.36	39.4	38.7	38.9	2.74	2.72	2.58
Pine Bluff	132.57	134.55	121.39	41.3	41.4	39.8	3.21	3.23	3.05
CALIFORNIA	156.02	153.24	148.83	39.3	38.6	39.9	3.97	3.97	3.73
Anaheim-Santa Ana-Garden Grove	155.56	153.64	150.63	40.3	39.7	40.6	3.86	3.87	3.71
Bakersfield	154.45	156.02	152.25	39.2	39.7	40.6	3.94	3.93	3.75
Fresno	131.67	132.97	125.90	38.5	38.1	38.5	3.42	3.49	3.27
Los Angeles-Long Beach	150.11	145.16	144.00	39.4	38.1	40.0	3.81	3.81	3.60
Modesto-Turlock	136.15	135.41	130.47	37.2	37.2	38.6	3.66	3.64	3.38
Oxnard-Ventura	142.23	138.19	131.32	39.4	38.6	39.2	3.61	3.58	3.35
Sacramento	159.98	160.74	156.65	38.0	38.0	38.3	4.21	4.23	4.09
Salinas-Monterey	129.54	133.22	125.51	36.8	36.8	38.5	3.52	3.62	3.26
San Bernardino-Riverside-Ontario	153.23	150.11	144.54	39.8	39.4	39.6	3.85	3.81	3.65
San Diego	164.67	165.45	162.01	39.3	39.3	40.2	4.19	4.21	4.03
San Francisco-Oakland	173.38	173.49	162.63	38.7	38.9	39.0	4.48	4.46	4.17
San Jose	165.48	163.49	156.42	39.4	39.3	39.7	4.20	4.16	3.94
Santa Barbara	138.00	136.53	138.17	37.5	37.1	40.4	3.68	3.68	3.42
Santa Rosa	149.37	140.24	138.60	39.0	37.8	38.5	3.83	3.71	3.60
Stockton	165.61	161.13	148.16	40.1	39.3	39.3	4.13	4.10	3.77
Vallejo-Napa	148.10	144.94	142.88	37.4	36.6	38.1	3.96	3.96	3.75
COLORADO	146.43	145.33	138.60	39.9	39.6	39.6	3.67	3.67	3.50
Denver	153.12	151.55	142.44	40.4	40.2	39.9	3.79	3.77	3.57
CONNECTICUT	142.71	141.20	139.59	40.2	40.0	41.3	3.55	3.53	3.38
Bridgeport	144.00	143.20	144.07	40.0	40.0	41.4	3.60	3.58	3.48
Hartford	151.47	151.81	149.94	40.5	40.7	42.0	3.74	3.73	3.57
New Britain	140.59	139.00	144.93	39.8	39.3	42.5	3.53	3.54	3.41
New Haven	139.98	138.48	137.97	39.1	38.9	40.7	3.58	3.56	3.39
Stamford	147.26	151.47	154.73	39.8	40.5	43.1	3.70	3.74	3.59
Waterbury	136.20	135.20	131.65	40.9	40.6	41.4	3.33	3.33	3.18
DELAWARE <sup>1</sup>	155.01	154.25	134.06	40.9	40.7	39.9	3.79	3.79	3.36
Wilmington <sup>1</sup>	166.05	169.74	147.57	40.9	41.1	40.1	4.06	4.13	3.68
DISTRICT OF COLUMBIA :									
Washington SMSA <sup>1</sup>	(*)	156.38	144.35	(*)	38.9	38.7	(*)	4.02	3.73
FLORIDA	122.59	122.81	115.77	41.0	40.8	41.2	2.99	3.01	2.81
Fort Lauderdale-Hollywood	129.49	129.96	123.12	39.6	39.5	40.5	3.27	3.29	3.04
Jacksonville	128.90	129.67	117.62	42.4	42.1	40.7	3.04	3.08	2.89
Miami	116.03	114.76	109.48	39.6	39.3	40.4	2.93	2.92	2.71
Orlando	108.36	117.74	117.70	38.7	40.6	41.3	2.80	2.90	2.85
Pensacola	141.17	141.23	135.38	40.8	40.7	41.4	3.46	3.47	3.27
Tampa-St. Petersburg	124.14	131.02	122.01	40.7	41.2	41.5	3.05	3.18	2.94
West Palm Beach	133.01	137.46	132.80	40.8	43.5	42.7	3.26	3.16	3.11
GEORGIA	112.56	110.60	105.86	40.2	39.5	40.1	2.80	2.80	2.64
Atlanta	145.52	142.13	130.26	40.2	39.7	39.0	3.62	3.58	3.34
Savannah	141.54	135.74	129.27	42.0	40.4	41.7	3.37	3.36	3.10
HAWAII	129.79	132.89	127.79	38.4	39.2	39.2	3.38	3.39	3.26
Honolulu	129.45	132.26	127.92	38.3	38.9	39.0	3.38	3.40	3.28
IDAHO	130.03	126.48	121.66	38.7	37.2	38.5	3.36	3.40	3.16
ILLINOIS	154.12	152.63	146.35	39.9	39.9	40.6	3.86	3.82	3.60
Chicago	(*)	152.76	148.15	(*)	39.7	40.7	(*)	3.85	3.64
Davenport-Rock Island-Moline	(*)	171.18	163.24	(*)	39.7	40.3	(*)	4.31	4.05

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		
	Mar. p 1971	Feb. 1971	Mar. 1970	Mar. p 1971	Feb. 1971	Mar. 1970	Mar. p 1971	Feb. 1971	Mar. 1970
<b>ILLINOIS (continued)</b>									
Peoria .....	(*)	\$168.60	\$168.02	(*)	39.2	41.6	(*)	\$4.30	\$4.04
Rockford .....	(*)	147.52	144.40	(*)	40.2	40.8	(*)	3.67	3.54
<b>INDIANA</b> .....	\$158.40	156.02	146.73	40.1	39.8	40.2	\$3.95	3.92	\$3.65
Indianapolis .....	(*)	158.80	147.86	(*)	40.1	40.4	(*)	3.96	3.66
<b>IOWA</b> .....	156.02	151.70	144.08	39.7	39.3	39.8	3.93	3.86	3.62
Cedar Rapids .....	158.75	157.53	146.88	40.6	40.6	40.8	3.91	3.88	3.60
Des Moines .....	154.19	161.54	148.95	37.7	39.4	39.3	4.09	4.10	3.79
Dubuque .....	172.21	163.61	155.66	37.6	37.1	37.6	4.58	4.41	4.14
Sioux City .....	149.16	146.08	134.27	41.9	41.5	40.2	3.56	3.52	3.34
Waterloo .....	174.90	161.99	160.39	40.3	39.9	39.8	4.34	4.02	4.03
<b>KANSAS</b> .....	144.23	144.42	131.15	41.0	40.9	41.9	3.52	3.53	3.13
Topeka .....	155.25	157.33	154.82	41.7	42.0	45.3	3.72	3.74	3.42
Wichita .....	154.20	152.08	137.57	42.0	41.6	42.0	3.67	3.66	3.28
<b>KENTUCKY</b> <sup>1</sup> .....	133.12	121.66	127.36	39.5	36.1	39.8	3.37	3.37	3.20
Louisville .....	154.43	131.71	142.63	39.7	34.3	39.4	3.89	3.84	3.62
<b>LOUISIANA</b> .....	142.20	145.01	132.68	41.7	42.4	40.7	3.41	3.42	3.26
Baton Rouge .....	164.00	162.76	158.42	41.0	41.1	41.8	4.00	3.96	3.79
New Orleans .....	142.90	144.70	135.12	41.3	41.7	40.7	3.46	3.47	3.32
Shreveport .....	127.92	130.15	118.96	40.1	40.8	40.6	3.19	3.19	2.93
<b>MAINE</b> .....	110.32	109.37	106.13	39.4	39.2	39.9	2.80	2.79	2.66
Lewiston-Auburn .....	89.21	89.56	85.79	35.4	35.4	36.2	2.52	2.53	2.37
Portland .....	122.21	118.65	111.76	40.2	38.9	40.2	3.04	3.05	2.78
<b>MARYLAND</b> .....	139.83	140.14	134.00	39.5	39.7	40.0	3.54	3.53	3.35
Baltimore .....	146.07	146.03	138.40	39.8	39.9	40.0	3.67	3.66	3.46
<b>MASSACHUSETTS</b> .....	133.57	131.14	124.90	39.4	38.8	39.4	3.39	3.38	3.17
Boston .....	146.94	145.04	135.54	39.5	39.2	39.4	3.72	3.70	3.44
Brockton .....	112.13	109.14	107.16	37.5	36.5	36.7	2.99	2.99	2.92
Fall River .....	99.96	97.50	95.14	35.7	35.2	35.9	2.80	2.77	2.65
Lawrence-Havethill .....	125.42	126.77	120.66	40.2	40.5	40.9	3.12	3.13	2.95
Lowell .....	117.95	114.76	108.29	38.8	38.0	38.4	3.04	3.02	2.82
New Bedford .....	105.93	105.36	100.66	37.3	37.1	37.7	2.84	2.84	2.67
Springfield-Chicopee-Holyoke .....	134.64	130.42	127.68	39.6	38.7	39.9	3.40	3.37	3.20
Worcester .....	132.59	129.46	131.27	38.1	37.2	39.9	3.48	3.48	3.29
<b>MICHIGAN</b> .....	188.28	189.61	166.83	41.2	41.6	40.6	4.57	4.56	4.11
Ann Arbor .....	217.50	187.64	161.32	43.3	40.0	39.5	5.02	4.69	4.08
Battle Creek .....	173.65	170.07	172.31	40.3	39.8	43.1	4.31	4.27	4.00
Bay City .....	176.32	183.58	155.83	41.9	44.7	41.4	4.21	4.11	3.76
Detroit .....	191.41	194.32	176.89	40.9	41.3	40.9	4.68	4.71	4.33
Flint .....	234.36	246.97	184.62	43.4	46.0	40.8	5.40	5.37	4.53
Grand Rapids .....	157.04	162.77	146.24	40.0	40.6	40.1	3.93	4.01	3.65
Jackson .....	159.27	162.96	160.47	38.5	39.4	39.7	4.14	4.14	4.04
Kalamazoo .....	173.44	185.49	168.31	40.4	42.3	43.2	4.29	4.39	3.90
Lansing .....	225.24	216.17	169.71	44.2	43.2	39.8	5.10	5.00	4.26
Muskegon-Muskegon Heights .....	155.88	155.24	149.58	40.3	40.0	40.2	3.87	3.88	3.72
Saginaw .....	231.92	235.19	168.22	43.9	44.4	39.6	5.28	5.30	4.25
<b>MINNESOTA</b> .....	148.48	146.23	140.93	39.7	39.6	40.3	3.74	3.70	3.49
Duluth-Superior <sup>1</sup> .....	141.42	140.55	130.00	39.9	39.8	39.6	3.55	3.54	3.29
Minneapolis-St. Paul .....	155.36	153.74	147.10	39.6	39.5	40.6	3.92	3.89	3.62
<b>MISSISSIPPI</b> .....	102.26	98.43	94.88	40.1	38.6	39.7	2.55	2.55	2.39
Jackson .....	102.47	101.75	94.72	40.5	40.7	39.8	2.53	2.50	2.38
<b>MISSOURI</b> .....	139.91	139.23	131.66	39.3	39.0	39.3	3.56	3.57	3.35
Kansas City .....	139.90	136.57	129.68	40.2	39.7	39.9	3.48	3.44	3.25
St. Joseph .....	141.86	137.02	142.62	41.6	40.9	42.7	3.41	3.35	3.34
St. Louis .....	160.00	160.00	150.40	40.1	39.9	40.0	3.99	4.01	3.76
Springfield .....	115.44	113.87	107.24	39.0	38.6	38.3	2.96	2.95	2.80
<b>MONTANA</b> .....	157.16	154.00	140.94	40.4	40.0	39.7	3.89	3.85	3.55
<b>NEBRASKA</b> .....	138.62	138.55	130.32	41.6	41.6	41.7	3.34	3.33	3.12
Lincoln .....	125.46	127.69	125.93	39.3	39.8	41.0	3.19	3.21	3.07
Omaha .....	142.32	141.23	132.65	41.2	40.9	41.3	3.46	3.45	3.21

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		
	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970
NEVADA	\$158.32	\$156.72	\$158.40	38.9	38.6	39.6	\$4.07	\$4.06	\$4.00
Las Vegas	(*)	183.40	177.80	(*)	41.4	39.6	(*)	4.43	4.49
NEW HAMPSHIRE	114.27	112.33	106.20	39.0	38.6	38.9	2.93	2.91	2.73
Manchester	103.47	102.82	97.02	37.9	37.8	37.9	2.73	2.72	2.56
NEW JERSEY	147.14	146.11	137.57	41.1	40.7	40.7	3.58	3.59	3.38
Atlantic City	115.79	113.83	104.98	41.8	40.8	37.9	2.77	2.79	2.77
Camden	146.32	145.66	134.34	41.1	40.8	40.1	3.56	3.57	3.35
Jersey City	146.16	145.93	142.45	40.6	40.2	40.7	3.60	3.63	3.50
Newark	145.70	145.76	139.26	39.7	39.5	40.6	3.67	3.69	3.43
Paterson-Clifton-Passaic	143.64	141.12	133.23	39.9	39.2	39.3	3.60	3.60	3.39
Perth Amboy	149.67	149.29	139.55	39.7	39.6	40.1	3.77	3.77	3.48
Trenton	140.04	139.71	132.21	38.9	38.7	39.0	3.60	3.61	3.39
NEW MEXICO	105.20	105.60	103.18	39.4	39.7	38.5	2.67	2.66	2.68
Albuquerque	118.15	116.81	117.62	40.6	40.7	40.7	2.91	2.87	2.89
NEW YORK	143.89	141.64	133.23	39.1	38.7	39.3	3.68	3.66	3.39
Albany-Schenectady-Troy	160.31	156.72	143.96	41.0	40.6	40.1	3.91	3.86	3.59
Binghamton	139.87	142.16	139.50	39.4	40.5	42.4	3.55	3.51	3.29
Buffalo	170.87	172.14	154.33	40.3	40.6	40.4	4.24	4.24	3.82
Elmira	135.77	129.59	125.29	39.7	38.8	39.4	3.42	3.34	3.18
Monroe County	176.26	174.58	161.44	40.8	40.6	41.5	4.32	4.30	3.89
Nassau and Suffolk Counties	144.54	142.60	134.52	39.6	39.5	39.8	3.65	3.61	3.38
New York-Northeastern New Jersey	(*)	139.01	131.43	(*)	38.4	39.0	(*)	3.62	3.37
New York SMSA	136.80	134.61	127.92	38.0	37.6	38.3	3.60	3.58	3.34
New York City	134.61	132.80	126.59	37.6	37.2	37.9	3.58	3.57	3.34
Rochester	170.96	168.48	156.53	40.9	40.5	41.3	4.18	4.16	3.79
Rockland County	140.84	142.63	134.81	38.8	39.4	41.1	3.63	3.62	3.28
Syracuse	154.25	149.17	143.50	40.7	40.1	41.0	3.79	3.72	3.50
Utica-Rome	135.60	131.60	126.56	40.6	39.4	39.8	3.34	3.34	3.18
Westchester County	147.02	141.70	130.14	39.1	38.4	39.2	3.76	3.69	3.32
NORTH CAROLINA	101.26	100.22	96.38	39.4	39.3	39.5	2.57	2.55	2.44
Asheville	99.05	97.42	92.67	40.1	39.6	39.1	2.47	2.46	2.37
Charlotte	111.11	109.21	102.11	40.7	40.3	40.2	2.73	2.71	2.54
Greensboro-Winston-Salem-High Point	107.62	108.29	105.69	38.3	38.4	39.0	2.81	2.82	2.71
Raleigh	107.06	105.73	100.05	39.8	39.6	39.7	2.69	2.67	2.52
NORTH DAKOTA	126.31	124.25	111.01	41.8	41.2	38.9	3.03	3.02	2.85
Fargo-Moorhead	140.62	132.98	118.81	39.5	37.0	38.0	3.56	3.59	3.13
OHIO	163.62	159.19	151.88	40.5	39.5	40.5	4.04	4.03	3.75
Akron	174.47	171.30	162.81	40.2	39.2	40.3	4.34	4.37	4.04
Canton	157.19	156.41	150.63	39.2	39.3	40.6	4.01	3.93	3.71
Cincinnati	155.47	147.44	140.14	40.7	38.8	39.7	3.82	3.80	3.53
Cleveland	164.00	158.24	154.66	40.0	38.5	40.7	4.10	4.11	3.80
Columbus	151.27	144.78	143.51	39.6	38.1	40.2	3.82	3.80	3.57
Dayton	179.69	179.29	172.64	40.2	40.2	41.4	4.47	4.46	4.17
Toledo	170.49	171.78	159.94	40.4	40.9	40.8	4.22	4.20	3.92
Youngstown-Warren	181.83	177.05	155.63	41.8	40.7	39.3	4.35	4.35	3.96
OKLAHOMA	127.12	126.08	123.32	40.1	39.9	40.3	3.17	3.16	3.06
Oklahoma City	125.77	124.89	122.29	39.8	39.9	40.9	3.16	3.13	2.99
Tulsa	142.62	139.94	137.02	41.1	40.8	40.9	3.47	3.43	3.35
OREGON	154.41	155.61	143.98	38.7	39.0	38.6	3.99	3.99	3.73
Eugene	162.78	163.58	148.99	39.8	39.8	38.9	4.09	4.11	3.83
Portland	152.06	153.24	143.22	38.4	38.6	38.5	3.96	3.97	3.72
PENNSYLVANIA	138.34	136.85	130.28	39.3	39.1	39.6	3.52	3.50	3.29
Allentown-Bethlehem-Easton	132.10	130.60	128.51	38.4	38.3	39.3	3.44	3.41	3.27
Altoona	114.76	114.68	109.03	38.0	38.1	38.8	3.02	3.01	2.81
Delaware Valley	148.48	148.85	137.76	39.7	39.8	39.7	3.74	3.74	3.47
Erie	151.16	147.02	138.10	41.3	40.5	41.1	3.66	3.63	3.36
Harrisburg	126.40	124.34	124.64	39.5	39.1	40.6	3.20	3.18	3.07
Johnstown	137.62	134.32	130.34	37.6	36.8	38.0	3.66	3.65	3.43
Lancaster	124.87	125.90	122.11	38.9	39.1	40.3	3.21	3.22	3.03
Philadelphia	148.43	148.03	137.31	39.9	39.9	39.8	3.72	3.71	3.45
Pittsburgh	158.79	157.60	153.78	40.2	40.0	40.9	3.95	3.94	3.76
Reading	125.18	124.09	122.71	38.4	38.3	40.1	3.26	3.24	3.06
Scranton	106.29	104.83	100.28	36.4	35.9	36.6	2.92	2.92	2.74
Wilkes-Barre-Hazleton	103.82	102.60	98.28	36.3	36.0	36.4	2.86	2.85	2.70
York	128.93	128.11	122.25	40.8	40.8	41.3	3.16	3.14	2.96

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		
	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970	Mar. 1971 P	Feb. 1971	Mar. 1970
RHODE ISLAND.....	\$115.54	\$114.27	\$111.90	39.3	39.0	39.4	\$2.94	\$2.93	\$2.84
Providence-Pawtucket-Warwick.....	115.74	115.34	112.46	39.1	39.1	39.6	2.96	2.95	2.84
SOUTH CAROLINA.....	105.70	105.04	100.60	40.5	40.4	40.4	2.61	2.60	2.49
Charleston.....	126.79	128.43	118.84	40.9	40.9	40.7	3.10	3.14	2.92
Greenville.....	104.12	102.14	98.98	40.2	39.9	40.4	2.59	2.56	2.45
SOUTH DAKOTA.....	132.91	135.84	124.98	42.6	43.4	42.8	3.12	3.13	2.92
Sioux Falls.....	162.03	165.78	144.83	45.9	46.7	44.7	3.53	3.55	3.24
TENNESSEE <sup>1</sup> .....	114.11	110.40	107.06	39.9	38.6	39.8	2.86	2.86	2.69
Chattanooga.....	125.96	124.12	113.65	40.5	40.3	39.6	3.11	3.08	2.87
Knoxville.....	129.12	126.68	120.29	40.1	39.1	39.7	3.22	3.24	3.03
Memphis.....	129.68	125.69	116.92	40.4	39.4	39.5	3.21	3.19	2.96
Nashville.....	119.95	114.64	113.65	39.2	37.1	39.6	3.06	3.09	2.87
TEXAS.....	133.57	132.84	127.70	40.6	40.5	40.8	3.29	3.28	3.13
Amarillo.....	120.20	118.00	110.58	40.2	40.0	38.8	2.99	2.99	2.85
Austin.....	117.32	117.32	113.16	41.9	42.2	41.3	2.80	2.78	2.74
Beaumont-Port Arthur-Orange.....	176.88	173.17	167.69	40.2	39.9	41.0	4.40	4.34	4.09
Corpus Christi.....	160.65	156.61	154.44	42.5	42.1	42.9	3.78	3.72	3.60
Dallas.....	123.82	122.98	121.58	40.2	39.8	40.8	3.08	3.09	2.98
El Paso.....	90.06	91.94	86.62	39.5	40.5	40.1	2.28	2.27	2.16
Fort Worth.....	136.35	137.35	132.44	40.7	41.0	40.5	3.35	3.35	3.27
Galveston-Texas City.....	192.61	188.09	193.59	41.6	40.8	43.7	4.63	4.61	4.43
Houston.....	158.59	158.18	154.87	41.3	41.3	42.2	3.84	3.83	3.67
Lubbock.....	111.78	110.81	112.46	41.4	41.5	44.1	2.70	2.67	2.55
San Antonio.....	108.00	105.57	101.84	41.7	41.4	41.4	2.59	2.55	2.46
Waco.....	112.22	111.74	109.69	39.1	38.8	39.6	2.87	2.88	2.77
Wichita Falls.....	99.40	99.43	98.80	39.6	39.3	40.0	2.51	2.53	2.47
UTAH.....	135.99	136.78	129.20	38.2	38.1	38.0	3.56	3.59	3.40
Salt Lake City.....	125.02	125.58	121.39	38.0	37.6	37.7	3.29	3.34	3.22
VERMONT.....	127.62	125.26	119.65	41.3	40.8	41.4	3.09	3.07	2.89
Burlington.....	153.72	147.40	132.82	43.3	42.6	41.9	3.55	3.46	3.17
Springfield.....	133.46	131.20	135.22	40.2	40.0	41.1	3.32	3.28	3.29
VIRGINIA.....	112.24	110.88	108.00	39.8	39.6	40.0	2.82	2.80	2.70
Lynchburg.....	112.06	110.57	106.81	40.6	40.5	41.4	2.76	2.73	2.58
Norfolk-Portsmouth.....	122.41	114.90	120.12	40.4	38.3	42.0	3.03	3.00	2.86
Richmond.....	125.53	124.58	118.69	39.6	39.3	39.3	3.17	3.17	3.02
Roanoke.....	105.07	104.54	101.56	39.5	39.6	40.3	2.66	2.64	2.52
WASHINGTON.....	163.05	162.60	157.61	39.1	38.9	39.5	4.17	4.18	3.99
Seattle-Everett.....	168.67	169.85	166.04	39.5	39.5	40.4	4.27	4.30	4.11
Spokane.....	156.00	153.22	147.39	39.0	38.4	39.2	4.00	3.99	3.76
Tacoma.....	159.44	155.86	149.76	38.7	38.2	38.4	4.12	4.08	3.90
WEST VIRGINIA.....	140.62	139.87	132.60	39.5	39.4	39.7	3.56	3.55	3.34
Charleston.....	168.09	165.24	166.60	41.3	40.8	42.5	4.07	4.05	3.92
Huntington-Ashland.....	148.16	145.86	132.70	39.3	39.0	37.7	3.77	3.74	3.52
Wheeling.....	141.60	143.07	137.08	40.0	40.3	40.2	3.54	3.55	3.41
WISCONSIN.....	150.80	151.67	145.06	40.0	40.2	40.6	3.77	3.77	3.57
Green Bay.....	158.83	157.46	146.75	42.5	42.4	42.0	3.74	3.72	3.49
Kenosha.....	154.20	152.41	154.66	38.3	38.3	38.9	4.03	3.98	3.97
La Crosse.....	131.52	125.31	118.60	40.9	39.5	40.0	3.22	3.17	2.96
Madison.....	175.64	175.07	154.34	40.5	40.6	39.8	4.34	4.32	3.88
Milwaukee.....	161.38	162.03	156.13	39.7	40.0	40.6	4.07	4.05	3.85
Racine.....	158.97	157.76	147.99	39.9	40.1	40.0	3.98	3.94	3.70
WYOMING.....	137.02	134.40	122.91	39.6	38.4	36.8	3.46	3.50	3.34
Casper.....	161.57	156.78	151.20	39.6	40.2	40.0	4.08	3.90	3.78
Cheyenne.....	134.05	145.15	110.21	38.3	37.8	32.8	3.50	3.84	3.36

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

<sup>2</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

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

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

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

\* Not available.

p = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.



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

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

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
<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.....	3.5	3.2	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.....	2.0	1.9	2.2p										
<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.....	4.2	3.5	3.8p										
<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.....	1.4	1.3	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.....	1.9	1.5	1.5p										

p = preliminary.

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

(Per 100 employees)

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

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

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

(Per 100 employees)

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

See footnotes at end of table.

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

(Per 100 employees)											
SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1971 <sup>P</sup>	Feb. 1971	Mar. 1971 <sup>P</sup>	Feb. 1971
<i>Durable Goods--Continued</i>											
37	<b>TRANSPORTATION EQUIPMENT</b> . . . . .	-	2.8	-	1.4	-	3.3	-	.8	-	1.8
371	Motor vehicles and equipment . . . . .	-	2.5	-	1.3	-	2.2	-	.6	-	.7
3711	Motor vehicles . . . . .	-	2.3	-	1.1	-	1.8	-	.7	-	.5
3712	Passenger car bodies . . . . .	-	3.0	-	2.4	-	2.8	-	.8	-	1.0
3713	Truck and bus bodies . . . . .	-	3.3	-	2.1	-	2.6	-	.9	-	1.1
3714	Motor vehicle parts and accessories . . . . .	-	2.4	-	1.1	-	2.3	-	.5	-	.8
372	Aircraft and parts . . . . .	-	1.1	-	.4	-	3.5	-	.5	-	2.6
3721	Aircraft . . . . .	-	1.1	-	.3	-	3.3	-	.5	-	2.5
3722	Aircraft engines and engine parts . . . . .	-	1.0	-	.3	-	3.2	-	.4	-	2.0
3723,9	Other aircraft parts and equipment . . . . .	-	1.6	-	.9	-	4.9	-	.7	-	3.8
373	Ship and boat building and repairing . . . . .	-	7.3	-	3.5	-	7.9	-	1.8	-	5.0
3731	Ship building and repairing . . . . .	-	6.8	-	2.6	-	8.6	-	1.4	-	6.2
374	Railroad equipment . . . . .	-	5.3	-	1.7	-	3.7	-	.9	-	1.6
375,9	Other transportation equipment . . . . .	-	7.3	-	4.3	-	4.5	-	2.1	-	1.1
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	2.7	2.0	1.7	1.4	3.1	2.5	1.0	.9	1.2	1.0
381	Engineering & scientific instruments . . . . .	-	1.4	-	.9	-	2.4	-	.6	-	1.3
382	Mechanical measuring & control devices . . . . .	-	2.1	-	1.2	-	2.6	-	.8	-	1.1
3821	Mechanical measuring devices . . . . .	-	1.5	-	1.0	-	2.1	-	.7	-	.9
3822	Automatic temperature controls . . . . .	-	3.1	-	1.5	-	3.3	-	.9	-	1.4
383,5	Optical and ophthalmic goods . . . . .	-	2.5	-	1.9	-	3.2	-	1.1	-	1.3
384	Medical instruments and supplies . . . . .	-	2.5	-	2.0	-	3.0	-	1.2	-	1.1
386	Photographic equipment and supplies . . . . .	-	1.0	-	.6	-	1.6	-	.5	-	.7
387	Watches, clocks, and watchcases . . . . .	-	4.7	-	2.8	-	3.6	-	1.5	-	.9
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	5.7	4.6	3.4	2.8	4.9	4.3	2.0	1.6	1.8	1.8
391	Jewelry, silverware, and plated ware . . . . .	-	3.0	-	2.2	-	3.5	-	1.3	-	1.6
394	Toys and sporting goods . . . . .	-	9.0	-	4.5	-	6.2	-	2.1	-	2.8
3941-3	Games, toys, dolls, & play vehicles . . . . .	-	11.5	-	4.1	-	8.2	-	2.3	-	4.3
3949	Sporting and athletic goods, n e c . . . . .	-	6.3	-	4.9	-	4.1	-	1.9	-	1.2
395	Pens, pencils, office and art supplies . . . . .	-	1.8	-	1.3	-	2.4	-	.9	-	.8
396	Costume jewelry and notions . . . . .	-	4.0	-	2.8	-	4.4	-	1.7	-	1.9
393,9	Other manufacturing industries . . . . .	-	3.1	-	2.2	-	3.7	-	1.5	-	1.4
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	4.5	3.9	2.8	2.5	5.2	4.8	2.0	1.8	2.5	2.3
201	Meat products . . . . .	-	4.6	-	2.5	-	5.9	-	2.4	-	2.7
2011	Meat packing plants . . . . .	-	4.5	-	1.3	-	6.2	-	1.3	-	4.3
2015	Poultry dressing plants . . . . .	-	6.2	-	5.4	-	7.0	-	5.3	-	.8
204	Grain mill products . . . . .	-	2.2	-	1.5	-	3.2	-	1.4	-	1.2
2041	Flour and other grain mill products . . . . .	-	1.9	-	1.2	-	3.4	-	1.0	-	1.8
2042	Prepared feeds for animals and fowls . . . . .	-	2.6	-	2.1	-	3.7	-	2.0	-	.9
205	Bakery products . . . . .	-	3.1	-	2.3	-	3.1	-	1.6	-	.8
2051	Bread, cake, and related products . . . . .	-	2.9	-	2.4	-	3.0	-	1.6	-	.7
2052	Cookies and crackers . . . . .	-	4.2	-	1.9	-	3.5	-	1.2	-	1.5
207	Confectionery and related products . . . . .	-	5.6	-	3.3	-	6.0	-	1.9	-	3.5
2071	Confectionery products . . . . .	-	6.5	-	3.7	-	7.1	-	2.1	-	4.4
208	Beverages . . . . .	-	3.6	-	2.2	-	3.8	-	1.6	-	1.7
2082	Malt liquors . . . . .	-	4.1	-	1.1	-	3.1	-	.2	-	2.5
21	<b>TOBACCO MANUFACTURES</b> . . . . .	1.7	2.2	1.3	1.4	4.4	5.3	1.1	1.2	2.5	3.5
211	Cigarettes . . . . .	-	.7	-	.5	-	1.3	-	.4	-	.5
212	Cigars . . . . .	-	4.8	-	2.8	-	3.3	-	2.3	-	.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

118

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

(Per 100 employees)

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

See footnotes at end of table.

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1971 <sup>p</sup>	Feb. 1971	Mar. 1971 <sup>p</sup>	Feb. 1971
	<i>Nondurable Goods--Continued</i>										
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	5.7	4.8	3.6	3.0	6.3	5.5	2.7	2.5	2.5	1.8
311	Leather tanning and finishing .....	-	4.0	-	2.8	-	4.8	-	1.8	-	2.3
314	Footwear, except rubber .....	-	4.6	-	2.9	-	5.5	-	2.7	-	1.7
	<b>NONMANUFACTURING</b>										
10	<b>METAL MINING</b> .....	2.7	2.7	1.8	1.8	2.6	3.2	1.5	1.3	.4	.7
101	Iron ores .....	-	2.7	-	.6	-	4.6	-	.5	-	1.2
102	Copper ores .....	-	2.3	-	1.6	-	1.9	-	1.1	-	.2
11,12	<b>COAL MINING</b> .....	2.4	2.0	1.8	1.7	1.5	1.5	.9	.9	.2	.1
12	Bituminous coal and lignite mining .....	-	2.0	-	1.7	-	1.4	-	.8	-	.1
	<b>COMMUNICATION:</b>										
481	Telephone communication .....	-	1.6	-	1.4	-	1.3	-	.9	-	.1
482	Telegraph communication <sup>3</sup> .....	-	2.3	-	2.0	-	2.6	-	1.5	-	.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.....	3.7	3.9	3.9p									
<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.....	2.3	2.4	2.5p									
<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.....	4.4	4.2	4.2p									
<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.....	1.6	1.7	1.7p									
<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.....	1.7	1.6	1.7p									

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	
	Feb. 1971 P	Jan. 1971	Feb. 1971 P	Jan. 1971	Feb. 1971 P	Jan. 1971	Feb. 1971 P	Jan. 1971	Feb. 1971 P	Jan. 1971
ALABAMA:										
Birmingham . . . . .	2.2	2.6	1.5	1.6	2.4	2.5	0.8	1.0	0.8	0.6
Mobile <sup>1</sup> . . . . .	3.5	7.0	1.6	2.2	6.2	5.2	1.6	2.4	4.0	2.3
ALASKA . . . . .	6.7	4.8	3.6	3.6	8.3	13.9	4.0	3.0	4.1	10.6
ARIZONA . . . . .										
Phoenix . . . . .	3.9	4.3	2.4	3.1	4.0	5.8	1.6	2.0	1.4	1.9
Phoenix . . . . .	3.6	3.6	2.0	2.5	3.7	5.6	1.5	1.7	1.3	1.9
ARKANSAS . . . . .										
Fort Smith . . . . .	5.3	6.2	4.0	4.1	4.7	5.8	2.8	3.0	1.1	2.0
Little Rock-North Little Rock . . . . .	8.0	5.2	5.0	3.5	5.4	4.9	3.5	2.3	1.1	1.7
Pine Bluff . . . . .	4.0	6.9	3.6	4.1	4.5	6.4	2.8	3.1	1.1	2.0
Pine Bluff . . . . .	4.0	2.0	1.5	1.3	2.1	2.8	1.5	1.9	.1	.7
COLORADO . . . . .										
Denver . . . . .	2.9	3.5	1.9	2.2	6.5	4.6	1.5	1.7	4.4	2.2
Denver . . . . .	2.9	3.3	2.2	2.4	3.7	4.2	1.7	1.8	1.3	2.2
CONNECTICUT . . . . .										
Hartford . . . . .	2.4	2.4	1.4	1.3	2.8	3.4	1.0	1.1	1.2	1.6
Hartford . . . . .	1.5	1.7	1.0	1.1	2.9	3.2	.8	.9	1.4	1.6
DELAWARE <sup>1</sup> . . . . .										
Wilmington <sup>1</sup> . . . . .	1.9	1.9	.8	.9	2.6	2.7	.8	.9	.7	.8
Wilmington <sup>1</sup> . . . . .	1.8	1.7	.8	.8	2.0	2.4	.8	.9	.5	.7
DISTRICT OF COLUMBIA:										
Washington SMSA . . . . .	(*)	2.2	(*)	2.1	(*)	2.1	(*)	1.4	(*)	.2
FLORIDA . . . . .										
Fort Lauderdale-Hollywood . . . . .	5.3	6.1	4.0	4.7	5.4	6.2	2.9	3.5	1.5	1.7
Jacksonville . . . . .	5.2	7.5	4.0	6.3	6.5	6.4	2.9	3.7	1.9	1.4
Miami . . . . .	6.2	5.8	3.6	3.9	7.3	7.1	2.3	2.9	3.7	2.3
Orlando . . . . .	3.8	6.6	3.1	4.9	3.9	5.1	1.9	2.5	1.1	1.9
Pensacola . . . . .	5.6	7.0	4.8	5.8	4.8	4.8	2.5	2.4	1.5	1.4
Tampa-St. Petersburg . . . . .	1.0	1.0	.8	.9	2.8	2.3	.8	1.1	1.8	.5
West Palm Beach . . . . .	7.6	7.1	5.6	5.4	6.4	8.0	3.9	4.2	1.7	2.9
West Palm Beach . . . . .	3.4	3.6	1.7	2.4	3.5	5.4	1.4	2.5	1.0	1.4
GEORGIA . . . . .										
Atlanta <sup>2</sup> . . . . .	3.8	4.0	2.9	3.1	4.1	4.6	2.6	2.8	.7	.9
Atlanta <sup>2</sup> . . . . .	3.0	3.2	2.4	2.6	4.1	4.3	2.1	2.3	1.2	1.1
HAWAII <sup>3</sup> . . . . .										
Hawaii . . . . .	2.2	2.4	1.4	1.2	3.1	2.8	1.1	1.2	1.0	1.0
IDAHO <sup>4</sup> . . . . .										
Idaho . . . . .	5.8	5.9	3.8	3.9	5.3	5.5	1.7	1.8	2.8	2.8
ILLINOIS:										
Chicago . . . . .	2.9	2.9	2.2	2.1	3.6	4.6	1.5	1.6	1.1	1.8
INDIANA <sup>1</sup> . . . . .										
Indianapolis <sup>5</sup> . . . . .	3.3	3.1	1.6	1.4	3.1	3.5	1.0	1.0	1.4	1.7
Indianapolis <sup>5</sup> . . . . .	2.5	2.4	1.1	1.0	2.4	3.0	.8	.7	.9	1.4
IOWA . . . . .										
Cedar Rapids . . . . .	2.2	2.7	1.1	1.3	3.4	4.4	1.0	1.1	1.9	2.8
Des Moines . . . . .	3.4	2.4	.8	.7	4.9	5.4	1.3	1.0	3.2	3.5
Des Moines . . . . .	2.8	3.6	2.0	2.4	2.6	4.0	1.4	2.0	.4	1.2
KANSAS . . . . .										
Topeka . . . . .	2.3	2.9	1.6	1.9	2.8	4.2	1.0	1.3	1.3	2.3
Wichita . . . . .	2.5	2.8	2.0	2.3	1.8	2.4	1.2	1.2	.2	.3
Wichita . . . . .	1.5	2.2	.7	.9	2.4	5.2	.5	1.0	1.5	3.8
KENTUCKY . . . . .										
Louisville . . . . .	2.9	3.8	1.3	1.6	4.2	4.2	1.1	1.3	2.3	1.7
Louisville . . . . .	1.6	2.9	.8	1.3	2.8	3.4	.7	1.0	.9	.6
LOUISIANA:										
New Orleans . . . . .	3.0	3.9	1.8	2.7	3.7	4.1	1.3	1.5	1.5	1.3
MAINE . . . . .										
Portland . . . . .	4.9	5.8	2.9	3.6	5.0	6.7	1.9	2.2	2.2	3.2
Portland . . . . .	3.4	3.3	2.1	2.1	3.1	3.4	1.3	1.6	1.5	1.0
MARYLAND . . . . .										
Baltimore . . . . .	2.5	2.9	1.5	1.6	3.3	3.7	1.1	1.2	1.4	1.8
Baltimore . . . . .	2.5	3.0	1.5	1.6	3.3	3.4	1.1	1.2	1.4	1.5

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER**

122

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Feb. 1971 <sup>P</sup>	Jan. 1971	Feb. 1971 <sup>P</sup>	Jan. 1971	Feb. 1971 <sup>P</sup>	Jan. 1971	Feb. 1971 <sup>P</sup>	Jan. 1971	Feb. 1971 <sup>P</sup>	Jan. 1971
MASSACHUSETTS.....	2.7	3.1	1.7	1.8	3.4	4.4	1.1	1.4	1.5	2.2
Boston.....	2.7	3.2	1.6	1.7	2.9	3.9	1.0	1.2	1.2	1.6
MICHIGAN.....	2.4	2.9	1.0	1.3	2.8	3.8	.6	.8	1.4	2.2
Detroit.....	2.3	2.8	.9	1.1	3.1	4.1	.6	.8	1.5	2.3
MINNESOTA.....	3.1	3.1	1.4	1.5	3.9	4.0	1.0	1.2	2.1	2.1
Minneapolis-St. Paul.....	3.0	3.0	1.2	1.4	3.1	3.6	.9	1.1	1.6	1.9
MISSISSIPPI:										
Jackson.....	3.6	4.7	2.1	3.7	4.8	4.2	1.7	2.2	2.2	1.2
MISSOURI.....	2.6	2.5	1.5	1.5	2.9	4.5	1.1	1.2	1.1	2.5
Kansas City.....	2.6	2.2	2.0	1.5	3.1	5.0	1.2	1.3	1.2	2.9
St. Louis.....	2.3	2.2	1.2	1.1	2.4	3.5	.7	.8	1.0	1.9
MONTANA.....	2.1	3.4	1.2	2.5	3.3	4.5	1.1	1.5	1.1	2.4
NEBRASKA.....	2.6	2.7	1.8	2.0	3.2	3.2	1.5	1.6	1.1	1.0
NEVADA.....	4.4	2.7	3.3	1.4	3.8	4.0	1.9	1.7	.6	1.0
NEW HAMPSHIRE.....	3.5	4.0	2.5	2.7	3.6	4.0	1.8	2.0	1.2	1.2
NEW JERSEY:										
Camden <sup>6</sup> .....	2.5	3.4	1.5	2.0	2.8	3.8	1.2	1.1	.7	1.6
Jersey City.....	3.1	3.0	1.8	1.8	3.3	3.8	1.0	1.2	1.4	1.7
Newark.....	2.6	3.4	1.9	1.8	2.8	4.2	1.0	1.1	1.0	2.0
Paterson-Clifton-Passaic.....	3.0	3.4	1.9	2.0	3.1	4.5	1.2	1.5	1.0	2.0
Perth Amboy.....	3.1	3.4	1.8	2.0	3.1	3.8	1.1	1.3	.9	1.4
Trenton.....	2.0	2.0	1.2	1.4	2.1	2.8	.8	1.0	.7	1.1
NEW YORK.....	3.3	3.5	1.9	2.0	3.3	4.4	1.1	1.3	1.5	2.2
Albany-Schenectady-Troy.....	2.2	2.3	1.4	1.5	2.5	2.6	1.0	1.2	.6	.6
Binghamton.....	1.4	1.6	.8	.9	2.1	2.7	.7	.8	.8	1.2
Buffalo.....	2.8	3.2	1.1	1.4	2.4	3.3	.6	.7	1.1	2.0
Elmira.....	2.9	2.9	1.3	1.3	3.4	6.6	1.0	.8	1.8	5.0
Monroe County <sup>7</sup> .....	1.3	1.5	.9	1.0	2.0	2.7	.7	.8	.8	.9
Nassau and Suffolk Counties <sup>8</sup> .....	3.1	3.9	2.5	2.5	3.6	4.4	1.4	1.8	1.4	1.8
New York SMSA.....	4.2	4.6	2.6	2.6	4.0	5.5	1.3	1.7	1.8	2.9
New York City <sup>8</sup> .....	4.6	4.8	2.8	2.7	4.2	6.0	1.3	1.7	2.0	3.3
Rochester.....	1.4	1.6	1.0	1.1	2.4	3.2	.8	.8	1.1	1.3
Syracuse.....	1.7	2.0	.9	.8	2.2	2.4	.9	1.0	.7	.9
Utica-Rome.....	2.4	3.0	1.3	1.0	2.8	3.6	.8	.9	1.5	2.1
Westchester County <sup>8</sup> .....	2.7	3.8	1.9	2.3	3.5	3.4	1.5	1.5	1.1	1.2
NORTH CAROLINA.....	3.6	4.1	3.0	3.3	3.9	4.1	2.4	2.7	.7	.6
Charlotte.....	3.5	3.1	3.1	2.6	3.6	3.9	2.3	2.5	.8	.6
Greensboro-Winston-Salem-High Point.....	3.0	3.3	2.6	2.9	4.1	3.1	2.1	2.1	1.1	.2
NORTH DAKOTA.....	5.2	4.6	3.4	3.5	7.4	4.5	1.6	1.8	4.7	1.7
Fargo-Moorhead.....	3.5	2.5	2.5	2.2	16.8	5.4	1.5	1.9	14.8	2.5
OHIO.....	2.4	2.7	1.2	1.2	2.7	3.7	.7	.8	1.3	2.0
Akron.....	1.9	1.8	1.0	.9	2.1	2.6	.6	.8	.8	1.1
Canton.....	2.7	5.4	1.0	1.2	2.6	3.8	.8	.9	.7	2.2
Cincinnati.....	2.1	2.3	1.0	1.1	3.0	4.4	.7	1.0	1.7	2.5
Cleveland.....	2.2	2.6	1.1	1.3	2.7	3.4	.7	.9	1.2	1.8
Columbus.....	2.4	3.0	1.5	1.7	2.8	4.9	1.0	1.2	1.1	2.9
Dayton.....	1.6	1.4	.7	.7	3.0	4.2	.6	.6	1.7	2.9
Toledo.....	2.3	2.1	1.1	.8	2.7	3.5	.5	.7	1.5	2.0
Youngstown-Warren.....	2.8	3.0	1.8	1.3	2.2	3.2	.5	.6	.8	1.2
OKLAHOMA:										
Oklahoma City.....	3.3	3.7	2.6	2.8	4.0	4.6	2.0	2.2	1.2	1.4
Tulsa <sup>9</sup> .....	3.9	4.5	3.0	3.4	4.2	4.9	2.1	2.9	1.2	1.2
Tulsa.....	3.4	4.1	2.7	3.7	5.6	4.6	2.0	1.9	2.6	1.7
OREGON <sup>1</sup> .....	4.2	4.2	2.5	2.2	4.0	4.5	1.3	1.3	2.2	2.6
Portland <sup>1</sup> .....	4.2	3.5	2.2	1.8	3.5	4.5	1.1	1.2	1.8	2.8

See footnotes at end of table.

## ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Feb. 1971 P	Jan. 1971	Feb. 1971 P	Jan. 1971	Feb. 1971 P	Jan. 1971	Feb. 1971 P	Jan. 1971	Feb. 1971 P	Jan. 1971
PENNSYLVANIA:										
Allentown-Bethlehem-Easton . . . . .	2.5	3.1	1.3	1.7	3.1	4.1	1.1	1.1	1.4	2.2
Altoona . . . . .	3.7	4.5	2.5	3.2	3.2	4.3	1.8	2.0	.9	1.9
Erie . . . . .	3.5	4.5	1.6	1.9	4.9	5.4	1.1	1.5	2.6	3.0
Harrisburg . . . . .	2.0	3.5	1.2	1.6	2.6	4.1	1.0	1.1	.9	2.0
Johnstown . . . . .	6.4	7.2	1.7	.5	1.8	3.1	.6	.7	.6	1.1
Lancaster . . . . .	3.1	2.9	2.5	2.0	2.8	3.7	1.6	2.2	.6	.8
Philadelphia . . . . .	2.4	2.8	1.4	1.6	3.1	3.8	1.0	1.2	1.4	1.8
Pittsburgh . . . . .	2.7	2.8	.7	.9	2.3	2.9	.4	.6	1.1	1.7
Reading . . . . .	3.5	3.8	2.7	2.4	3.2	4.1	1.4	1.6	.9	1.6
Seranton . . . . .	3.5	3.6	1.4	1.6	3.4	6.0	1.0	1.1	1.9	4.1
Wilkes-Barre-Hazleton . . . . .	3.0	4.0	1.5	1.9	3.8	4.3	1.5	1.3	1.7	2.2
York . . . . .	3.0	3.9	2.2	2.6	3.8	4.0	1.6	1.8	1.4	1.4
RHODE ISLAND:										
Providence-Pawtucket-Warwick . . . . .	4.4	4.6	2.8	2.7	4.7	6.2	1.7	2.2	2.1	3.1
	4.1	4.1	2.6	2.4	4.4	5.6	1.6	1.8	2.0	3.0
SOUTH CAROLINA:										
Greenville . . . . .	4.1	4.2	3.4	3.6	3.7	4.6	2.7	2.9	.2	.7
SOUTH DAKOTA:										
Sioux Falls . . . . .	3.4	3.9	1.7	1.6	4.6	4.5	1.6	1.2	2.5	2.9
	4.1	6.2	.6	1.0	6.3	4.6	1.6	.9	4.5	3.3
TENNESSEE:										
Memphis . . . . .	3.4	4.5	2.2	2.2	3.8	5.1	1.4	1.6	1.6	2.6
TEXAS:										
Dallas . . . . .	2.7	3.1	2.3	2.4	3.3	4.1	1.8	2.1	1.0	1.4
Fort Worth . . . . .	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston . . . . .	3.0	3.4	2.5	3.0	3.1	3.6	1.9	2.0	.4	.5
San Antonio . . . . .	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH <sup>4</sup> :										
Salt Lake City <sup>4</sup> . . . . .	4.3	5.8	2.6	2.0	3.8	5.1	1.4	1.5	1.6	2.9
	3.5	3.3	2.7	2.1	3.2	4.1	1.5	1.7	.9	1.9
VERMONT:										
Burlington . . . . .	2.4	2.3	1.4	1.4	3.3	3.9	1.0	1.1	1.8	2.1
Springfield . . . . .	1.4	1.2	.5	.7	2.0	2.6	.7	1.2	.9	.9
	2.0	1.9	.6	.9	9.2	7.1	.8	1.2	8.2	4.6
VIRGINIA:										
Richmond . . . . .	3.0	3.8	2.2	2.6	3.5	4.2	1.8	2.1	1.0	1.4
	2.9	4.6	2.4	2.8	3.7	5.2	2.1	2.1	1.0	2.4
WASHINGTON: <sup>10</sup>										
Seattle-Everett . . . . .	3.3	2.4	1.4	1.0	3.2	5.6	.7	.7	2.1	2.6
WEST VIRGINIA:										
Charleston . . . . .	.3	.5	.2	.2	1.5	2.1	.1	.3	1.0	1.4
WISCONSIN:										
Milwaukee . . . . .	2.5	2.7	1.3	1.2	2.9	3.6	.8	1.0	1.4	1.8
	2.4	2.9	1.3	1.4	2.8	4.0	.8	1.1	1.1	1.9
WYOMING:										
	2.7	2.9	2.1	2.5	7.6	4.8	2.0	2.3	5.0	2.0

<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**

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

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Number of job vacancies (In thousands)													
1969.....	-	-	-	293	290	240	256	312	288	242	209	185	263
1970.....	186	170	165	158	151	123	126	137	118	93	76	77	132
1971.....	81	80	78P										
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
1971.....	.4	.4	.4P										
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
1971.....	28	27	25P										
Long-term job vacancy rates <sup>2</sup>													
1969.....	-	-	-	0.7	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.6
1970.....	0.4	0.3	0.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.3
1971.....	.1	.1	.1P										

<sup>1</sup> Computed by dividing the number of vacancies by the sum of employment plus vacancies and multiplying that quotient by 100.  
<sup>2</sup> Long-term job vacancies are those vacancies that have remained unfilled for 30 days or more. The long-term job vacancy rate is computed by dividing the number of long-term vacancies by the sum of employment plus all job vacancies and multiplying that quotient by 100.  
 p= preliminary.

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

Industry division and group	1971			1970									
	Mar. p	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.
Job vacancy rates <sup>1</sup>													
Manufacturing.....	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.6	0.6	0.8	0.8	0.8
Durable goods.....	.3	.4	.4	.3	.3	.4	.5	.6	.6	.6	.7	.7	.8
Nondurable goods.....	.5	.5	.5	.5	.5	.6	.7	.8	.7	.7	.9	.9	.9
Selected durable goods industries:													
Primary metal industries.....	.2	.3	.3	.2	.2	.3	.4	.6	.4	.5	.6	.7	.6
Machinery, except electrical.....	.4	.4	.4	.4	.4	.4	.5	.6	.5	.6	.8	.9	1.0
Electrical equipment and supplies.....	.3	.4	.4	.4	.3	.4	.6	.7	.6	.6	.8	.8	.9
Transportation equipment.....	.3	.3	.4	.4	.4	.4	.4	.6	.5	.5	.6	.5	.7
Instruments and related products.....	.6	.5	.6	.5	.4	.6	.7	.7	.6	.7	1.1	1.4	1.7
Selected nondurable goods industries:													
Textile mill products.....	.8	.6	.7	.6	.6	.8	1.0	1.0	.9	.8	1.1	1.1	1.0
Apparel and other textile products.....	1.3	1.2	1.2	1.1	1.1	1.1	1.4	1.5	1.4	1.4	1.5	1.5	1.6
Printing and publishing.....	.3	.4	.4	.3	.4	.4	.5	.6	.5	.5	.6	.7	.7
Chemicals and allied products.....	.5	.4	.4	.4	.4	.4	.6	.6	.6	.7	.8	.8	1.0
Long-term job vacancy rates <sup>2</sup>													
Manufacturing.....	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
Durable goods.....	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.3	.3
Nondurable goods.....	.2	.2	.2	.2	.2	.2	.2	.3	.3	.3	.3	.3	.3
Selected durable goods industries:													
Primary metal industries.....	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.3	.2
Machinery, except electrical.....	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.3	.4	.4
Electrical equipment and supplies.....	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.2	.2	.3
Transportation equipment.....	.1	.1	.1	.1	.2	.1	.1	.2	.2	.1	.2	.2	.3
Instruments and related products.....	.2	.1	.1	.1	.1	.1	.1	.2	.2	.2	.4	.6	.9
Selected nondurable goods industries:													
Textile mill products.....	.1	.2	.2	.1	.2	.2	.2	.2	.2	.2	.3	.3	.3
Apparel and other textile products.....	.7	.7	.6	.6	.6	.6	.7	.8	.7	.8	.8	.8	.8
Printing and publishing.....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.3
Chemicals and allied products.....	.1	.2	.1	.2	.2	.2	.2	.2	.3	.3	.4	.4	.4
Long-term job vacancies as a percent of job vacancies <sup>3</sup>													
Manufacturing.....	33	34	34	38	40	35	32	31	35	36	37	38	40
Durable goods.....	27	26	29	36	37	34	30	30	33	33	35	37	40
Nondurable goods.....	37	41	38	41	42	37	34	33	38	40	39	39	41
Selected durable goods industries:													
Primary metal industries.....	32	23	21	29	34	44	31	27	36	29	39	37	39
Machinery, except electrical.....	31	31	35	40	39	40	38	37	42	38	42	42	46
Electrical equipment and supplies.....	19	14	26	26	30	27	24	25	22	22	27	28	30
Transportation equipment.....	23	24	25	38	40	34	31	32	37	30	28	41	39
Instruments and related products.....	28	19	20	25	28	21	20	24	23	34	39	41	51
Selected nondurable goods industries:													
Textile mill products.....	17	27	23	24	25	23	22	21	24	29	28	26	29
Apparel and other textile products.....	52	55	52	52	56	51	51	50	52	55	53	54	54
Printing and publishing.....	23	21	20	26	23	23	22	21	27	32	30	33	38
Chemicals and allied products.....	32	43	35	45	51	49	38	31	45	43	48	49	42

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

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

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

p= preliminary.

## ESTABLISHMENT DATA NATIONAL AND AREA JOB VACANCY

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

Industry division and group	1971				1970								
	Mar. P	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.
Manufacturing .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Durable goods .....	45.7	49.6	46.9	48.5	46.6	49.1	48.8	51.5	51.0	52.1	53.7	54.8	56.9
Primary metal industries .....	3.2	5.0	4.1	4.1	3.8	3.5	5.0	5.5	4.5	5.3	5.6	6.2	4.6
Machinery, except electrical .....	8.4	8.0	8.4	8.9	9.1	8.6	8.5	8.1	8.4	10.5	10.6	11.3	12.2
Electrical equipment and supplies .....	7.4	9.5	8.5	9.0	8.4	9.0	9.3	9.8	10.0	9.1	9.7	10.0	10.9
Transportation equipment .....	7.9	7.8	7.9	8.6	7.5	7.0	5.9	7.2	6.6	7.0	7.2	6.3	8.3
Instruments and related products .....	3.2	2.6	3.1	2.6	2.4	3.1	2.5	2.4	2.4	2.6	3.6	4.4	5.0
Other durable goods industries .....	15.9	16.6	14.9	15.3	15.5	17.9	17.5	18.6	19.3	17.6	16.9	16.5	15.8
Nondurable goods .....	54.3	50.4	53.1	51.5	53.4	50.9	51.2	48.5	49.0	47.9	46.3	45.2	43.1
Textile mill products .....	9.9	7.5	7.9	7.7	8.1	8.1	8.1	7.1	6.9	6.7	6.8	7.0	6.0
Apparel and other textile products .....	22.7	21.0	21.0	20.4	20.7	17.2	16.3	15.7	15.0	16.6	14.3	13.2	13.4
Printing and publishing .....	4.0	4.9	6.0	4.1	5.2	5.2	4.6	5.1	4.4	4.3	4.4	5.0	4.7
Chemicals and allied products .....	6.1	5.8	4.9	6.1	5.4	4.6	5.2	4.9	5.3	6.0	5.4	5.6	5.9
Other nondurable goods industries .....	11.6	11.3	13.3	13.2	14.0	15.9	17.0	15.7	17.4	14.3	15.3	14.4	13.2

p= preliminary.

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

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total <sup>1</sup>		Long-term <sup>2</sup>			Total <sup>1</sup>		Long-term <sup>2</sup>	
	Feb. P	Jan.	Feb. P	Jan.		Feb. P	Jan.	Feb. P	Jan.
United States <sup>3</sup> .....	0.4	0.4	0.1	0.1	Areas—Continued				
Albany—Schenectady— Troy, N. Y. ....	.6	.4	.3	.2	Oklahoma City, Okla. ....	.6	.7	*	*
Atlanta, Ga. ....	.3	.3	.1	.1	Paterson—Clifton— Passaic, N. J. ....	.4	.4	.1	.1
Baltimore, Md. ....	.6	.4	.1	.1	Perth Amboy, N. J. ....	.5	.6	.2	.2
Boston, Mass. ....	.8	.8	.3	.2	Philadelphia, Pa. ....	.5	.4	.1	.1
Buffalo, N. Y. ....	.3	.4	.1	.1	Phoenix, Ariz. ....	.7	.4	.1	.1
Cedar Rapids, Iowa. ....	.2	.4	*	*	Portland, Oreg. ....	.2	.3	.1	.1
Dallas, Tex. ....	.4	.4	.1	.2	Providence—Pawtucket— Warwick, R. I. ....	.5	.3	.2	.1
Denver, Colo. ....	.2	.3	.1	.1	Richmond, Va. ....	.2	.3	.1	.2
Des Moines, Iowa. ....	.5	.4	.1	*	Salt Lake City, Utah. ....	.3	.2	.1	.1
Detroit, Mich. ....	.1	.2	*	*	St. Louis, Mo. ....	.2	.2	.1	.1
Greensboro—Winston-Salem— High Point, N. C. ....	.8	.7	.2	.2	Syracuse, N. Y. ....	.3	.3	.1	*
Houston, Tex. ....	.8	.9	.5	.5	Tampa—St. Petersburg, Fla. ....	.7	.3	.3	.1
Jersey City, N. J. ....	.3	.4	.1	.1	Wichita, Kans. ....	.1	.2	.1	.1
Kansas City, Mo. ....	.2	.2	*	.1	Nonmanufacturing <sup>4</sup>				
Little Rock—North Little Rock, Ark. ....	.3	.3	.2	*	Wholesale and retail trade: Boston, Mass. ....	.3	.3	.1	.2
Miami, Fla. ....	.5	.4	.1	.1	Finance, insurance and real estate: Hartford, Conn. ....	3.2	2.1	1.5	1.0
Milwaukee, Wis. ....	.3	.4	.1	.1	Service: Boston, Mass. ....	1.1	1.1	.4	.3
Minneapolis—St. Paul, Minn. ....	.2	.3	.1	*	Government: Atlanta, Ga. ....	1.3	1.4	.8	.8
New Orleans, La. ....	.1	.2	.1	.1	Boston, Mass. ....	.3	.7	.5	.5
Newark, N. J. ....	.4	.4	.1	.1					
New York, N. Y. ....	.5	.4	.2	.1					

<sup>1</sup> See footnote 1, table E-1.<sup>2</sup> See footnote 2, table E-1.<sup>3</sup> Based on a nationwide sample which includes metropolitan areas not shown in the table as well as nonmetropolitan areas.<sup>4</sup> Additional industry data, by area, will be published when available.

\* Less than 0.05.

p= preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

UNEMPLOYMENT INSURANCE DATA

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F-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	Apr. 1971	Mar. 1971	Apr. 1970	Change to April 1971 from <sup>1</sup>		Apr. 1971	Mar. 1971	Apr. 1970
				Mar. 1971	Apr. 1970			
TOTAL <sup>2</sup> . . . . .	2,323.4	**2,634.3	1,767.0	-310.9	+556.4	4.4	4.9	3.4
SEASONALLY ADJUSTED . . . . .	2,091.8	**2,072.6	1,593.3	+19.2	+498.5	3.9	3.9	3.0
Alabama . . . . .	24.6	26.5	21.4	-1.9	+3.3	3.5	3.7	3.1
Alaska . . . . .	8.3	8.6	5.0	-.3	+3.2	14.7	15.5	9.9
Arizona . . . . .	11.9	14.5	7.4	-2.6	+4.5	3.0	3.7	2.0
Arkansas . . . . .	18.2	21.6	16.8	-3.4	+1.4	4.6	5.4	4.2
California* . . . . .	335.2	371.3	254.3	-36.0	+81.0	6.3	7.0	4.9
Colorado . . . . .	8.1	10.1	7.6	-2.0	+.5	1.6	2.0	1.6
Connecticut . . . . .	73.9	78.1	35.8	-4.2	+38.0	7.2	7.6	3.6
Delaware . . . . .	5.0	6.2	3.5	-1.2	+1.5	2.9	3.6	2.1
District of Columbia . . . . .	7.0	8.0	5.1	-1.0	+1.9	2.0	2.3	1.5
Florida . . . . .	37.8	39.8	23.3	-2.1	+14.5	2.5	2.6	1.6
Georgia . . . . .	22.3	25.4	19.6	-3.2	+2.7	2.0	2.3	1.8
Hawaii . . . . .	9.9	9.0	4.5	+.9	+5.4	3.8	3.5	1.9
Idaho . . . . .	8.2	9.3	6.8	-1.2	+1.3	5.3	6.1	4.6
Illinois . . . . .	108.5	129.0	73.4	-20.5	+35.1	3.4	4.0	2.3
Indiana . . . . .	43.4	54.7	40.0	-11.3	+3.5	3.1	3.8	2.8
Iowa . . . . .	17.7	23.3	15.0	-5.6	+2.6	3.0	4.0	2.6
Kansas . . . . .	19.0	24.9	16.3	-5.9	+2.6	4.3	5.6	3.7
Kentucky . . . . .	25.6	31.2	22.2	-5.6	+3.4	4.1	5.0	3.6
Louisiana . . . . .	32.3	32.2	30.9	+.1	+1.4	4.5	4.4	4.3
Maine . . . . .	17.4	18.4	10.5	-1.0	+6.9	7.7	8.2	4.7
Maryland . . . . .	31.1	37.7	23.9	-6.6	+7.2	3.3	4.0	2.6
Massachusetts . . . . .	103.7	119.0	69.2	-15.3	+34.5	5.9	6.8	4.1
Michigan . . . . .	139.7	**158.4	115.6	-18.6	+24.2	5.8	**6.5	4.7
Minnesota . . . . .	45.9	52.1	30.2	-6.3	+15.7	4.6	5.3	3.1
Mississippi . . . . .	11.2	14.0	12.8	-2.7	-1.5	2.9	3.6	3.4
Missouri . . . . .	49.9	60.8	50.8	-10.8	-.9	4.2	5.1	4.3
Montana . . . . .	6.7	8.7	6.3	-2.0	+.4	5.3	6.9	5.1
Nebraska . . . . .	6.7	10.5	4.9	-3.8	+1.8	2.3	3.4	1.6
Nevada . . . . .	7.7	8.3	5.9	-.6	+1.7	4.8	5.2	4.0
New Hampshire . . . . .	8.7	8.8	4.0	-	+4.7	4.4	4.4	2.1
New Jersey . . . . .	126.3	135.0	83.1	-8.7	+43.2	6.1	6.5	4.2
New Mexico . . . . .	9.1	10.3	7.2	-1.2	+1.9	4.9	5.5	4.1
New York . . . . .	265.1	292.6	190.1	-27.5	+75.1	4.7	5.1	3.3
North Carolina . . . . .	40.5	44.1	29.8	-3.6	+10.7	3.0	3.3	2.3
North Dakota . . . . .	5.3	6.4	4.1	-1.1	+1.3	6.2	7.6	5.0
Ohio . . . . .	92.8	115.4	80.8	-22.6	+12.0	3.1	3.9	2.7
Oklahoma . . . . .	20.3	21.8	16.0	-1.5	+4.3	4.1	4.4	3.3
Oregon . . . . .	33.3	41.3	31.3	-8.0	+2.0	6.1	7.6	5.8
Pennsylvania . . . . .	135.7	159.3	97.5	-23.6	+38.2	4.0	4.7	2.9
Puerto Rico <sup>2</sup> . . . . .	39.9	**38.3	30.5	+1.5	+9.3	9.9	**9.7	8.1
Rhode Island . . . . .	17.6	20.0	11.8	-2.4	+5.9	6.3	7.1	4.2
South Carolina . . . . .	19.1	21.5	17.1	-2.4	+1.9	3.1	3.5	2.8
South Dakota . . . . .	2.3	3.7	2.3	-1.4	+.1	2.5	3.9	2.4
Tennessee . . . . .	39.0	47.8	37.6	-8.9	+1.4	4.1	5.0	3.9
Texas . . . . .	51.3	54.8	34.6	-3.5	+16.7	2.0	2.1	1.4
Utah . . . . .	8.9	11.7	8.4	-2.8	+.5	3.9	5.3	3.8
Vermont . . . . .	7.1	7.9	3.9	-.8	+3.2	6.9	7.6	3.9
Virginia . . . . .	16.3	19.6	11.9	-3.2	+4.5	1.6	1.9	1.2
Washington . . . . .	82.2	82.5	65.1	-.3	+17.2	10.3	10.2	7.8
West Virginia . . . . .	14.0	17.8	14.9	-3.8	-1.0	3.9	5.0	4.2
Wisconsin . . . . .	50.0	59.8	44.4	-9.7	+5.7	4.4	5.1	3.9
Wyoming . . . . .	1.8	2.5	1.6	-.7	+.2	2.5	3.5	2.3

<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.

\*\* Revised.

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	Apr. 1971	Apr. 1970	State and area	Apr. 1971	Apr. 1970	State and area	Apr. 1971	Apr. 1970	State and area	Apr. 1971	Apr. 1970
<b>ALABAMA*</b>			<b>INDIANA</b>			<b>NEW HAMPSHIRE*</b>			<b>Pennsylvania--</b>		
Birmingham.....	6.0	4.1	Evansville.....	1.4	2.2	Manchester.....	1.5	0.8	continued		
Mobile.....	3.0	2.4	Ft. Wayne.....	2.1	1.5				York.....	2.9	2.7
			Gary-Hammond..	3.2	2.3						
			Indianapolis....	8.8	7.6	<b>NEW JERSEY*</b>			<b>PUERTO RICO*</b>		
<b>ARIZONA</b>			South Bend.....	3.0	2.6	Atlantic City....	4.2	3.1	Mayaguez.....	1.9	1.6
Phoenix.....	8.3	4.6	Terre Haute.....	1.6	1.3	Jersey City.....	18.1	12.8	Ponce.....	2.9	2.6
						Newark.....	33.1	20.4	San Juan.....	7.9	6.0
			<b>IOWA</b>			New Brunswick..	12.8	7.7			
<b>ARKANSAS</b>			Cedar Rapids....	1.7	1.1	Paterson.....	26.7	17.9			
Little Rock.....	1.6	1.5	Des Moines.....	1.5	1.1	Trenton.....	3.7	2.3			
									<b>RHODE ISLAND*</b>		
<b>CALIFORNIA*</b>			<b>KANSAS*</b>			<b>NEW MEXICO</b>			Providence.....	20.1	12.8
Anaheim-S. Ana-			Wichita.....	7.7	8.4	Albuquerque....	3.8	2.6			
Garden Grove..	22.7	15.0							<b>SOUTH CAROLINA</b>		
Fresno.....	7.4	7.0	<b>KENTUCKY</b>			<b>NEW YORK*</b>			Charleston.....	2.0	1.7
Los Angeles....	147.8	104.9	Louisville.....	8.6	4.8	Albany.....	6.9	5.0	Greenville.....	2.2	1.9
Sacramento.....	11.2	9.6				Binghamton....	4.2	2.3			
San Bernardino..	15.1	11.1	<b>LOUISIANA</b>			Buffalo.....	20.0	13.5			
San Diego.....	19.1	14.3	Baton Rouge....	2.1	1.9	New York.....	176.2	127.9			
San Francisco...	51.7	37.9	New Orleans....	10.5	7.7	Rochester.....	13.1	7.4			
San Jose.....	17.4	13.9	Shreveport.....	2.6	2.3	Syracuse.....	8.0	6.1	<b>TENNESSEE</b>		
Stockton.....	6.1	6.4				Utica.....	6.3	5.2	Chattanooga....	2.6	2.0
			<b>MAINE*</b>						Knoxville.....	3.9	3.1
<b>COLORADO</b>			Portland.....	1.6	.9	<b>NORTH CAROLINA</b>			Memphis.....	6.7	7.1
Denver.....	4.8	4.3				Asheville.....	1.3	1.3	Nashville.....	5.0	3.4
			<b>MARYLAND</b>			Charlotte.....	1.9	1.5			
			Baltimore.....	20.2	16.6	Durham.....	.8	.6	<b>TEXAS</b>		
<b>CONNECTICUT*</b>						Greensboro--			Austin.....	.6	.5
Bridgeport.....	11.6	5.8	<b>MASSACHUSETTS*</b>			Winston-Salem..	4.7	3.2	Beaumont.....	3.1	1.8
Hartford.....	14.9	6.2	Boston.....	44.9	28.3				Corpus Christi..	1.2	.8
New Britain.....	4.7	1.8	Brockton.....	3.5	2.5	<b>OHIO</b>			Dallas.....	8.7	4.5
New Haven.....	8.7	4.5	Fall River.....	3.1	3.4	Akron.....	6.4	4.6	El Paso.....	1.8	2.0
Stamford.....	3.3	1.4	Lawrence.....	6.4	3.8	Canton.....	3.2	4.6	Ft. Worth.....	6.8	2.3
Waterbury.....	6.4	4.2	Lowell.....	4.7	2.7	Cincinnati.....	13.4	6.8	Houston.....	6.0	3.3
			New Bedford....	4.8	4.9	Cleveland.....	18.8	16.3	San Antonio....	3.1	2.3
<b>DELAWARE</b>			Springfield....	11.5	7.7	Columbus.....	5.7	4.9			
Wilmington.....	5.0	3.2	Worcester.....	6.3	3.6	Dayton.....	9.8	3.7	<b>UTAH</b>		
						Hamilton.....	2.9	1.4	Salt Lake City..	4.6	4.4
<b>DIST. OF COL.</b>			<b>MICHIGAN*</b>			Lorain.....	2.2	2.2			
Washington.....	12.1	8.6	Bartle Creek....	2.4	2.2	Steubenville... ..	.7	.10			
			Detroit.....	74.9	53.5	Toledo.....	5.7	5.9	<b>VIRGINIA</b>		
			Flint.....	4.1	4.0	Youngstown....	3.8	6.2	Hampton.....	1.6	1.3
<b>FLORIDA</b>			Grand Rapids... ..	9.1	8.6				Norfolk.....	2.7	1.4
Jacksonville....	1.0	.9	Kalamazoo.....	2.8	1.7	<b>OKLAHOMA</b>			Richmond.....	1.6	.8
Miami.....	11.0	7.3	Lansing.....	3.8	3.4	Oklahoma City..	3.6	3.2	Roanoke.....	.5	.2
Tampa.....	5.4	3.2	Muskegon.....	3.0	2.8	Tulsa.....	3.8	3.1			
			Saginaw.....	1.8	1.6				<b>WASHINGTON*</b>		
<b>GEORGIA</b>						<b>OREGON*</b>			Seattle.....	45.7	35.6
Atlanta.....	7.3	7.4	<b>MINNESOTA*</b>			Portland.....	16.5	13.7	Spokane.....	5.4	3.6
Augusta.....	2.0	1.3	Duluth.....	2.9	2.0				Tacoma.....	7.6	6.9
Columbus.....	1.2	1.1	Minneapolis....	22.9	10.6	<b>PENNSYLVANIA*</b>					
Macon.....	.9	1.1				Allentown.....	6.4	3.4	<b>WEST VIRGINIA</b>		
Savannah.....	1.0	.8	<b>MISSISSIPPI</b>			Altoona.....	1.8	1.2	Charleston.....	1.7	2.4
			Jackson.....	.9	1.1	Erie.....	3.0	2.0	Huntington.....	3.8	2.5
<b>HAWAII</b>						Harrisburg.....	2.5	2.0	Wheeling.....	1.4	1.8
Honolulu.....	7.7	3.2	<b>MISSOURI</b>			Johnstown.....	3.0	3.4			
			Kansas City....	12.5	9.4	Lancaster.....	2.5	1.3	<b>WISCONSIN</b>		
<b>ILLINOIS</b>			St. Louis.....	30.7	34.2	Philadelphia... ..	60.9	36.6	Kenosha.....	1.2	4.3
Chicago.....	66.9	48.1				Pittsburgh.....	24.7	19.0	Madison.....	2.0	1.7
Davenport.....	4.0	2.8	<b>NEBRASKA</b>			Reading.....	3.3	1.7	Milwaukee.....	17.6	13.5
Peoria.....	2.7	1.8	Omaha.....	3.3	2.3	Scranton.....	5.4	4.3	Racine.....	2.6	2.4
Rockford.....	3.9	2.5				Wilkes-Barre... ..	6.4	5.2			

<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.

Advertisement on page 128 omitted.

# ANNUAL AVERAGES

## STATES AND AREAS

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**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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**1: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968
1	ALABAMA .....	1,006.8	1,000.2	970.1	8.3	8.3	8.1	48.5	52.7	51.6	324.4	324.6	307.4
2	Birmingham .....	259.0	256.9	247.8	5.6	5.4	5.5	12.0	15.2	14.6	72.6	72.0	68.3
3	Huntsville .....	77.6	77.5	76.5	(1)	(1)	(1)	2.5	3.2	3.2	13.6	12.4	12.4
4	Mobile .....	105.0	104.6	103.4	(1)	(1)	(1)	6.7	6.5	6.5	24.9	24.9	23.4
5	Montgomery .....	68.9	67.9	65.7	(1)	(1)	(1)	5.0	5.3	5.1	10.4	10.4	9.7
6	Tuscaloosa .....	37.6	36.4	34.9	(1)	(1)	(1)	2.3	2.2	2.1	10.0	9.9	9.7
7	ALASKA .....	92.1	86.8	79.9	2.7	3.5	2.4	7.4	6.6	6.0	8.1	7.3	6.9
8	ARIZONA .....	544.8	517.2	473.4	20.6	18.5	15.0	37.0	33.5	26.8	90.3	94.2	84.9
9	Phoenix .....	325.4	308.5	281.4	.2	.2	.2	20.7	18.7	15.2	70.4	75.0	67.6
10	Tucson .....	105.4	98.0	89.7	6.5	5.5	4.7	9.5	9.4	7.0	9.3	8.3	7.8
11	ARKANSAS .....	532.0	530.7	512.5	4.5	4.6	4.7	25.8	29.0	30.2	166.3	168.1	158.9
12	Fayetteville .....	26.8	26.0	23.6	(1)	(1)	(1)	1.3	1.4	1.3	7.3	7.3	6.7
13	Fort Smith .....	46.4	45.9	43.2	.6	.5	.4	3.0	3.2	3.0	16.5	16.6	15.0
14	Little Rock-North Little Rock .....	122.1	122.3	118.0	(1)	(1)	(1)	6.9	8.0	8.7	27.5	27.7	25.4
15	Pine Bluff .....	24.1	24.9	24.4	(1)	(1)	(1)	.8	1.3	1.6	5.6	5.8	5.8
16	CALIFORNIA .....	7,002.3	6,931.5	6,642.1	31.6	32.6	32.5	301.1	302.3	283.2	1,568.1	1,661.3	1,639.7
17	Anaheim-Santa Ana-Garden Grove .....	425.7	407.6	380.1	1.8	2.0	2.0	23.1	20.7	18.9	122.5	130.0	128.9
18	Bakersfield .....	89.9	90.0	88.4	6.5	7.1	7.1	4.1	5.0	5.3	7.9	8.0	8.2
19	Fresno .....	117.8	115.3	111.0	.9	.7	.7	4.7	4.9	5.0	17.6	18.0	17.3
20	Los Angeles-Long Beach .....	2,896.8	2,899.8	2,796.1	11.3	11.6	11.7	110.4	106.9	99.8	815.5	880.5	878.1
21	Modesto-Turlock .....	54.4	54.2	52.0	.1	.1	.1	3.0	3.1	3.0	14.4	14.3	13.9
22	Oxnard-Ventura .....	94.7	91.0	84.3	1.9	1.9	1.9	4.9	4.5	3.2	13.7	14.5	14.3
23	Sacramento .....	263.5	259.7	253.9	.1	.1	.2	11.3	11.2	10.6	22.1	24.2	25.4
24	Salinas-Monterey .....	62.7	61.0	59.1	.5	.5	.4	2.3	2.6	2.6	7.4	7.2	6.9
25	San Bernardino-Riverside-Ontario .....	296.0	287.4	271.0	2.4	2.3	2.2	14.4	13.7	12.6	53.0	53.3	50.0
26	San Diego .....	387.0	374.5	343.6	.5	.5	.5	20.6	20.6	17.5	67.5	69.6	64.9
27	San Francisco-Oakland .....	1,264.0	1,257.5	1,214.8	1.8	1.8	1.8	61.1	62.7	60.4	202.9	208.9	204.7
28	San Jose .....	382.4	373.7	352.8	.2	.1	.1	17.3	18.4	16.7	126.0	128.7	125.2
29	Santa Barbara .....	82.4	80.3	75.9	1.0	1.2	.9	3.5	4.1	3.8	10.5	10.6	10.2
30	Santa Rosa .....	50.9	48.7	45.4	.3	.3	.3	2.2	2.4	2.2	7.1	7.2	6.8
31	Stockton .....	88.9	88.0	85.2	.1	.1	.1	3.2	3.2	3.3	16.9	17.1	16.5
32	Vallejo-Napa .....	68.1	67.7	66.4	.2	.1	.2	2.2	2.4	2.3	7.0	7.1	7.3
33	COLORADO .....	741.0	713.2	679.5	14.0	13.5	13.1	40.1	38.1	36.7	117.6	114.6	107.1
34	Denver .....	480.4	461.5	439.9	5.0	4.9	4.2	27.9	25.4	24.6	85.5	82.4	76.7
35	CONNECTICUT .....	1,200.7	1,194.1	1,158.0	(2)	(2)	(2)	57.2	55.8	52.5	445.7	472.4	474.3
36	Bridgeport .....	151.2	155.1	150.8	(2)	(2)	(2)	6.2	6.1	5.7	69.4	76.4	77.7
37	Hartford .....	323.8	318.8	313.4	(2)	(2)	(2)	15.7	14.4	13.3	100.8	107.4	112.7
38	New Britain .....	45.9	46.7	45.2	(2)	(2)	(2)	1.8	1.8	1.8	24.2	25.1	24.1
39	New Haven .....	158.8	157.1	153.2	(2)	(2)	(2)	8.3	8.1	7.3	42.7	45.0	46.5
40	Stamford .....	83.3	79.7	76.0	(2)	(2)	(2)	4.0	3.9	3.8	28.6	27.7	26.6
41	Waterbury .....	78.2	80.3	77.7	(2)	(2)	(2)	3.9	3.6	3.2	36.5	40.4	40.5
42	DELAWARE .....	212.8	210.3	202.4	(1)	(1)	(1)	13.1	13.0	13.3	71.6	73.4	72.6
43	Wilmington .....	190.9	187.6	182.5	(1)	(1)	(1)	12.2	11.4	11.7	68.5	69.6	68.8
44	DISTRICT OF COLUMBIA <sup>3</sup> .....	684.1	681.4	675.4	(1)	(1)	(1)	20.1	18.7	19.8	18.6	20.0	20.5
45	Washington SMSA .....	1,156.5	1,123.8	1,084.0	(1)	(1)	(1)	68.7	67.8	65.0	43.6	44.6	44.4
46	FLORIDA .....	2,155.7	2,069.9	1,932.3	8.5	8.1	8.7	172.1	165.5	140.4	324.2	328.3	310.4
47	Fort Lauderdale-Hollywood .....	175.4	164.2	141.7	(1)	(1)	(1)	23.9	23.2	16.9	20.2	21.2	18.3
48	Jacksonville .....	192.8	189.2	181.8	(1)	(1)	(1)	12.0	13.0	11.5	25.0	24.6	23.3
49	Miami .....	504.7	484.0	449.2	(1)	(1)	(1)	32.7	32.6	27.9	77.4	76.6	71.4
50	Orlando .....	139.3	130.1	121.8	(1)	(1)	(1)	14.6	11.6	9.9	20.3	22.2	21.7
51	Pensacola .....	67.4	66.6	64.0	(1)	(1)	(1)	5.2	5.2	4.9	14.4	14.5	14.0
52	Tampa-St. Petersburg .....	308.1	292.2	275.9	(1)	(1)	(1)	25.2	23.1	20.5	54.1	53.9	50.4
53	West Palm Beach .....	109.3	103.3	94.3	(1)	(1)	(1)	10.4	11.1	8.5	20.5	19.0	17.6
54	GEORGIA .....	1,545.7	1,530.9	1,455.6	6.9	6.8	6.7	76.5	81.3	79.4	462.2	476.3	451.8
55	Atlanta .....	609.3	602.7	563.6	(1)	(1)	(1)	31.4	35.7	35.5	120.4	128.0	118.3

See footnotes at end of table.



## ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	
55.5	55.3	53.7	189.7	185.8	181.7	41.3	40.8	39.9	130.6	128.1	126.3	208.5	204.6	201.4	1
19.0	18.6	18.0	60.2	59.2	57.6	16.7	17.0	16.6	36.9	35.3	33.8	36.0	34.2	33.4	2
1.7	1.8	1.7	11.5	12.0	11.4	2.0	2.0	1.9	17.3	17.0	17.7	29.0	29.1	28.2	3
10.0	10.0	10.1	25.7	25.5	25.1	4.9	4.9	4.7	16.1	15.9	15.8	16.7	16.9	17.8	4
4.1	4.2	4.4	15.7	15.2	14.9	4.2	4.3	4.1	10.7	10.5	10.1	18.8	18.0	17.4	5
1.6	1.5	1.5	6.4	6.1	5.7	1.2	1.2	1.2	3.7	3.5	3.2	12.4	12.0	11.5	6
9.2	8.8	7.8	14.9	14.0	12.5	3.0	2.7	2.5	11.4	10.6	9.6	35.4	33.3	32.2	7
30.0	28.3	27.0	127.3	116.9	106.9	30.0	27.3	24.5	90.8	85.1	78.3	118.8	113.4	110.0	8
17.8	16.4	15.5	81.4	74.2	67.6	22.3	20.1	17.9	54.6	50.1	45.5	58.0	53.8	51.9	9
5.8	5.5	5.3	23.7	21.5	19.6	4.8	4.2	3.7	19.1	17.8	16.7	26.7	25.8	24.9	10
32.2	31.6	30.5	106.1	104.5	101.9	21.3	20.6	20.0	73.4	71.4	69.4	102.4	100.9	96.9	11
2.3	2.2	2.0	5.2	4.9	4.5	.6	.6	.5	3.3	3.1	3.0	6.8	6.5	5.6	12
2.8	2.7	2.6	9.4	9.2	8.8	1.4	1.4	1.4	6.8	6.5	6.2	5.9	5.8	5.8	13
9.5	9.4	9.0	26.9	26.8	25.7	8.6	8.4	8.4	18.5	18.2	17.4	24.2	23.8	23.4	14
3.2	3.1	3.1	4.6	4.7	4.5	.9	.9	.8	3.4	3.3	3.1	5.6	5.8	5.5	15
461.3	460.7	440.7	1,547.8	1,493.0	1,418.1	383.9	366.7	345.3	1,282.9	1,223.2	1,146.8	1,425.6	1,391.7	1,335.8	16
14.3	13.2	11.9	101.3	92.3	83.4	22.8	20.2	17.3	73.0	66.1	59.4	66.9	63.1	58.3	17
6.2	6.5	6.0	20.7	20.3	19.8	3.6	3.5	3.0	14.8	14.1	13.7	26.1	25.5	25.3	18
8.1	8.0	7.9	31.3	30.4	29.6	5.4	5.2	5.2	21.6	20.9	19.7	28.2	27.2	25.6	19
175.0	176.8	167.9	645.6	626.1	600.4	171.8	162.6	154.3	548.2	528.6	496.1	419.0	406.7	387.8	20
2.6	2.7	2.8	12.1	11.9	11.3	1.6	1.4	1.3	10.0	9.7	9.0	10.6	11.0	10.6	21
4.2	4.1	3.8	22.4	19.8	17.9	3.4	3.2	2.9	15.4	14.2	12.8	28.8	28.8	27.5	22
17.4	17.3	17.6	54.6	52.8	51.1	10.5	10.4	10.1	38.6	36.6	34.4	108.9	107.1	104.5	23
4.3	4.1	4.0	16.3	15.7	15.6	2.3	2.4	2.4	12.3	11.5	10.6	17.3	17.0	16.6	24
17.8	17.5	17.2	66.8	63.9	59.1	10.1	9.9	9.4	56.1	53.0	49.8	75.4	73.8	70.7	25
20.4	19.7	18.5	86.2	81.5	73.2	18.3	17.2	15.5	75.8	69.9	63.9	97.7	95.5	89.6	26
133.9	134.9	129.8	269.4	266.0	255.6	98.2	95.5	90.8	224.7	215.8	205.4	272.0	271.9	266.3	27
17.1	16.2	14.6	71.9	67.9	63.4	13.4	13.0	12.1	76.3	72.7	67.2	60.2	56.7	53.5	28
3.6	3.5	3.4	18.5	17.4	16.7	3.3	3.0	2.8	20.4	19.7	18.4	21.6	20.8	19.7	29
2.6	2.6	2.5	12.6	11.8	11.0	3.2	3.0	2.9	9.2	8.6	7.9	13.7	12.7	11.8	30
7.1	6.9	6.8	19.6	19.6	18.7	3.0	3.0	2.9	14.4	13.8	13.1	24.6	24.3	23.8	31
3.6	3.6	3.6	12.2	11.7	11.4	1.8	1.8	1.8	10.7	10.5	9.6	30.4	30.5	30.2	32
52.1	50.8	49.0	173.7	168.8	160.6	40.1	37.8	35.1	130.3	124.3	117.0	173.1	165.3	160.9	33
36.3	35.5	34.4	118.3	114.5	108.8	30.0	28.7	26.7	88.0	84.5	79.4	89.4	85.6	85.1	34
54.6	52.1	50.7	227.4	217.9	208.0	74.0	69.1	66.8	184.5	175.9	165.8	157.4	150.9	140.0	35
6.4	6.2	6.0	28.4	27.8	25.9	4.8	4.5	4.4	21.0	20.1	18.3	15.1	13.9	12.8	36
12.3	11.6	11.2	62.7	60.1	57.5	42.9	40.2	38.9	45.6	43.4	40.8	43.8	41.9	39.0	37
1.4	1.6	1.7	7.1	7.1	7.1	1.2	1.2	1.1	5.2	5.1	5.1	5.0	4.9	4.3	38
14.3	13.7	13.8	32.3	31.4	29.8	8.3	7.9	7.5	33.4	31.8	30.3	19.7	19.1	18.0	39
3.5	3.1	2.8	17.2	16.5	16.2	4.7	4.2	3.8	17.5	16.5	15.7	7.9	7.7	7.1	40
3.3	3.2	3.0	13.0	12.3	11.5	2.3	2.1	1.9	10.4	10.3	9.8	8.8	8.4	7.8	41
11.1	11.3	11.2	44.9	43.9	40.8	9.3	8.7	8.3	30.2	29.5	27.2	32.6	30.5	29.0	42
9.9	9.8	9.8	38.3	36.9	35.1	8.4	7.9	7.5	26.3	26.4	24.9	27.3	25.6	24.7	43
30.7	30.9	30.7	81.3	84.6	86.8	33.7	32.2	31.4	136.7	134.6	129.3	363.1	360.4	356.8	44
60.3	58.8	57.6	227.1	220.9	213.5	68.4	64.0	61.3	252.2	242.5	227.8	436.2	425.3	414.5	45
155.4	146.9	136.5	567.2	538.6	507.6	132.4	123.8	113.3	397.0	380.8	353.6	398.9	377.9	361.8	46
9.5	8.2	6.9	50.7	45.8	40.3	11.4	10.3	8.9	34.4	32.4	29.0	25.3	23.1	21.4	47
20.8	20.2	19.3	52.6	51.7	50.9	18.6	17.5	16.5	30.2	28.9	27.9	33.6	33.3	32.4	48
56.3	54.8	49.9	133.8	126.6	119.2	32.9	31.0	28.8	114.6	106.7	97.7	57.0	55.7	54.3	49
8.5	7.6	6.9	39.6	36.8	35.4	9.5	8.8	8.0	24.6	22.5	20.7	22.2	20.6	19.2	50
3.6	3.4	3.4	14.2	14.1	13.6	2.7	2.5	2.4	9.3	8.7	8.0	18.0	18.2	17.7	51
21.4	20.3	19.1	87.9	82.8	80.3	18.2	17.0	15.7	57.4	53.5	48.5	43.9	41.6	41.4	52
5.1	4.5	4.3	28.0	26.3	24.6	6.9	6.4	5.8	22.3	20.5	18.5	16.1	15.5	15.0	53
106.7	102.3	97.3	330.8	324.6	306.9	77.5	73.3	69.1	187.3	181.0	169.1	297.8	285.3	275.3	54
59.2	56.7	53.6	166.9	162.2	149.8	44.2	41.9	39.2	92.4	89.6	82.1	94.8	88.6	85.1	55

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968
1	GEORGIA (continued)												
2	Augusta .....	87.0	88.0	86.6	(1)	(1)	(1)	4.5	5.0	6.4	29.8	31.3	30.3
3	Columbus .....	69.4	70.5	69.6	(1)	(1)	(1)	4.2	4.1	4.3	19.0	19.9	19.7
4	Macon .....	78.2	79.1	75.8	(1)	(1)	(1)	4.7	4.5	3.7	13.8	15.6	15.5
5	Savannah .....	67.1	68.5	64.2	(1)	(1)	(1)	4.6	4.3	3.8	16.0	17.4	16.9
6	HAWAII .....	292.0	276.3	255.3	(1)	(1)	(1)	25.2	23.0	18.9	25.3	25.4	23.8
7	Honolulu .....	248.9	235.0	216.0	(1)	(1)	(1)	22.3	20.5	16.4	18.5	18.4	17.0
8	IDAHO .....	205.7	201.4	192.9	3.5	3.6	3.3	10.4	10.4	9.6	40.1	39.9	37.9
9	Boise .....	41.5	39.0	36.3	(1)	(1)	(1)	2.6	2.5	2.0	4.7	4.5	4.1
10	ILLINOIS .....	4,337.4	4,358.3	4,267.1	23.0	23.3	23.6	184.4	193.3	188.0	1,344.1	1,400.2	1,386.9
11	Chicago <sup>4</sup> .....	2,981.3	3,010.5	2,952.8	4.6	5.0	5.0	118.5	127.8	121.5	934.7	976.9	971.4
12	Chicago-Northwestern Indiana .....	3,203.7	3,232.7	3,166.6	4.7	5.1	5.1	130.9	142.3	135.2	1,042.5	1,084.1	1,076.0
13	Davenport-Rock Island-Moline .....	132.7	134.2	133.1	(2)	(2)	(2)	6.6	6.7	7.0	43.0	44.8	46.1
14	Peoria .....	130.8	127.5	126.2	(2)	(2)	(2)	7.8	7.0	7.8	48.6	47.5	47.1
15	Rockford .....	109.0	112.7	110.1	(2)	(2)	(2)	4.0	4.9	4.9	53.5	57.7	57.8
16	INDIANA .....	1,846.9	1,880.3	1,817.4	6.9	7.4	7.5	78.9	87.0	81.8	712.8	752.3	722.9
17	Evansville .....	87.9	89.2	87.0	1.5	1.5	1.7	3.8	4.6	4.3	32.8	34.3	33.2
18	Fort Wayne .....	119.2	118.5	112.8	(1)	(1)	(1)	5.1	5.8	5.3	44.2	45.2	43.8
19	Gary-Hammond-East Chicago <sup>4</sup> .....	222.4	222.2	213.8	(1)	(1)	(1)	12.4	14.5	13.7	107.9	107.3	104.6
20	Indianapolis .....	418.3	426.1	411.9	(1)	(1)	(1)	18.4	20.0	18.7	128.1	137.6	134.6
21	Muncie .....	46.5	47.0	45.0	(1)	(1)	(1)	1.8	2.1	1.8	18.3	19.2	18.4
22	South Bend .....	94.4	97.1	96.4	(1)	(1)	(1)	3.9	4.1	3.9	32.6	35.8	37.0
23	Terre Haute .....	55.9	54.3	51.9	1.1	1.0	.9	3.1	2.5	2.0	15.6	15.2	14.3
24	IOWA .....	880.6	878.6	856.8	3.0	3.1	3.3	41.3	40.9	40.5	214.3	224.7	222.5
25	Cedar Rapids .....	65.1	67.1	65.9	(1)	(1)	(1)	3.0	2.8	3.0	25.0	27.9	27.5
26	Des Moines .....	129.4	128.3	124.5	(1)	(1)	(1)	6.1	6.1	5.7	25.0	26.2	26.3
27	Dubuque .....	33.6	33.0	31.5	(1)	(1)	(1)	1.5	1.6	1.5	13.7	13.7	13.2
28	Sioux City .....	41.5	41.5	41.6	(1)	(1)	(1)	1.7	2.2	1.8	10.1	9.5	10.4
29	Waterloo .....	49.4	50.2	49.9	(1)	(1)	(1)	2.1	2.2	2.2	17.9	19.6	20.5
30	KANSAS .....	676.7	684.3	669.8	11.0	11.6	11.7	31.0	34.1	34.0	134.0	147.6	147.9
31	Topeka .....	62.2	61.2	58.6	.1	.1	.1	2.9	3.4	3.2	9.3	9.2	8.8
32	Wichita .....	138.9	149.9	149.7	2.6	2.6	2.3	6.0	7.2	6.5	39.4	49.1	53.4
33	KENTUCKY .....	914.1	895.2	868.6	28.1	26.3	26.8	49.1	52.6	52.1	251.0	248.1	240.3
34	Lexington .....	79.8	78.3	75.1	(1)	(1)	(1)	4.7	5.3	5.0	17.4	17.3	16.7
35	Louisville .....	330.9	328.4	311.8	(1)	(1)	(1)	15.9	17.0	15.9	115.1	119.1	113.2
36	LOUISIANA .....	1,046.1	1,041.0	1,028.2	51.0	52.0	51.0	73.9	78.7	89.3	175.7	180.9	178.2
37	Baton Rouge .....	103.2	103.9	105.3	.5	.5	.6	11.5	12.8	17.1	18.3	18.8	18.4
38	Lake Charles .....	41.1	41.8	41.1	1.4	1.5	1.3	5.3	5.9	6.1	9.0	9.0	9.1
39	Monroe .....	36.8	38.2	37.5	.4	.4	.4	2.8	3.7	4.7	6.4	6.9	6.6
40	New Orleans .....	374.0	371.5	368.5	14.1	14.5	13.7	22.4	22.2	25.0	53.7	56.3	57.0
41	Shreveport .....	92.0	92.2	89.6	3.8	4.1	4.3	5.8	5.7	6.4	16.3	17.0	15.8
42	MAINE .....	331.5	330.0	323.2	(1)	(1)	(1)	16.4	15.5	14.4	110.0	115.7	118.0
43	Lewiston-Auburn .....	29.0	28.9	29.0	(1)	(1)	(1)	1.6	1.4	1.3	13.3	13.7	14.4
44	Portland .....	64.9	63.5	61.9	(1)	(1)	(1)	3.5	3.3	3.1	14.1	15.2	15.2
45	MARYLAND <sup>3</sup> .....	1,303.6	1,276.1	1,227.0	1.9	1.9	1.8	87.7	84.7	80.3	271.6	281.7	280.6
46	Baltimore .....	807.9	798.8	776.3	.3	.4	.3	43.3	42.0	41.5	195.9	206.3	206.4
47	MASSACHUSETTS .....	2,242.6	2,239.4	2,205.9	(1)	(1)	(1)	93.7	93.9	93.6	639.7	674.5	689.9
48	Boston .....	1,290.9	1,277.5	1,255.1	(1)	(1)	(1)	51.2	50.3	52.1	277.6	292.3	296.5
49	Brockton .....	50.2	49.5	48.7	-	-	-	2.1	1.9	1.9	15.9	17.0	17.2
50	Fall River .....	47.8	47.3	46.4	(1)	(1)	(1)	(1)	(1)	(1)	22.8	22.9	22.4
51	Lawrence-Haverhill .....	80.0	80.3	80.9	(1)	(1)	(1)	2.0	1.9	2.0	37.2	38.5	40.7
52	Lowell .....	53.9	53.7	50.8	(1)	(1)	(1)	2.7	2.6	2.6	20.5	21.1	19.8
53	New Bedford .....	53.5	55.2	54.3	(1)	(1)	(1)	1.7	1.7	1.7	25.1	27.1	26.8
54	Springfield-Chicopee-Holyoke .....	194.0	195.6	192.7	(1)	(1)	(1)	7.8	7.9	7.5	67.9	72.4	73.3
55	Worcester .....	129.8	130.3	128.3	(1)	(1)	(1)	5.6	5.2	5.2	45.2	48.5	48.7

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	
3.8	3.8	3.8	15.2	15.1	14.6	3.1	3.1	3.0	10.5	9.7	9.4	20.1	20.0	19.1	1
3.3	3.3	3.1	13.5	13.4	13.1	3.9	3.7	3.5	9.0	8.9	8.7	16.5	17.2	17.2	2
3.5	3.5	3.2	14.5	14.4	13.8	4.1	3.8	3.7	9.3	8.9	8.4	28.3	28.4	27.5	3
7.1	7.1	6.6	15.2	15.4	13.8	3.3	3.2	3.0	9.6	9.5	8.6	11.3	11.6	11.5	4
23.9	22.2	20.6	68.7	64.2	59.2	18.0	16.9	15.0	56.8	53.4	48.7	73.8	71.2	69.1	5
20.3	18.8	17.2	58.9	54.9	50.5	16.4	15.5	13.7	48.1	44.4	40.3	64.4	62.5	60.9	6
14.1	14.2	14.0	48.9	47.9	46.1	7.9	7.6	7.4	31.9	31.0	29.4	48.9	46.8	45.2	7
3.2	3.2	3.1	11.6	10.9	10.2	2.8	2.7	2.5	6.6	6.0	5.6	10.0	9.2	8.8	8
285.1	287.9	281.6	942.7	939.3	922.2	233.9	227.6	221.2	684.4	671.1	650.2	639.8	615.6	593.4	9
205.0	207.3	207.8	670.8	668.2	655.3	183.0	177.8	173.2	503.8	496.6	482.0	361.0	350.9	341.5	10
219.0	221.2	215.8	707.5	704.6	690.4	189.2	183.7	178.9	526.7	518.8	502.7	383.2	372.6	362.4	11
7.2	7.2	7.0	29.4	29.4	28.4	5.2	5.2	5.2	18.5	18.3	17.1	22.8	23.0	22.3	12
7.2	7.2	6.9	28.0	28.0	27.6	5.3	5.1	4.9	18.5	18.0	17.7	15.4	14.8	14.2	13
3.5	3.5	3.3	20.8	20.6	20.2	3.2	3.2	3.0	14.1	13.5	12.6	10.0	9.2	8.1	14
100.9	101.1	98.1	367.8	365.3	350.6	75.8	74.8	72.4	217.7	211.6	198.8	286.2	280.9	285.3	15
5.3	5.2	5.1	19.3	19.1	18.9	3.2	3.3	3.3	13.5	12.9	12.3	8.5	8.3	8.1	16
8.3	8.0	7.9	27.7	26.9	25.0	6.6	6.2	5.9	15.4	15.1	14.2	12.0	11.3	10.7	17
14.0	13.9	13.0	36.7	36.4	35.1	6.2	6.0	5.7	23.0	22.4	20.8	22.2	21.7	20.9	18
28.7	27.8	27.1	94.4	95.3	91.1	28.8	28.4	27.7	53.4	51.7	49.0	66.5	65.3	63.6	19
2.4	2.5	2.3	8.9	8.7	8.4	1.4	1.4	1.4	5.2	5.0	4.9	8.5	8.1	7.8	20
4.9	5.0	4.7	20.9	21.0	20.3	5.0	4.8	4.7	16.3	16.0	15.8	10.8	10.4	10.1	21
4.1	4.1	4.2	13.2	13.1	12.7	1.8	1.7	1.7	6.4	6.4	6.2	10.6	10.3	9.9	22
50.5	51.1	50.6	208.6	204.9	199.8	41.2	40.4	39.1	145.9	142.2	137.3	176.0	171.4	163.5	23
3.2	3.1	3.1	13.6	13.3	13.0	3.1	3.0	3.1	10.0	9.8	9.8	7.3	7.0	6.5	24
9.3	9.2	9.0	32.7	32.5	31.9	15.0	14.4	13.5	22.3	21.6	20.8	19.1	18.3	17.3	25
1.7	1.7	1.7	6.9	6.7	6.3	.9	.9	.8	6.2	6.1	5.9	2.7	2.4	2.2	26
3.2	3.3	3.2	11.4	11.6	11.4	2.1	2.0	1.9	7.5	7.6	7.7	5.5	5.3	5.2	27
2.4	2.5	2.5	10.6	10.0	9.5	1.5	1.5	1.4	7.2	7.2	7.1	7.8	7.2	6.8	28
52.8	52.1	51.7	159.6	157.8	152.8	30.3	29.7	28.5	103.7	100.6	96.0	154.3	150.8	147.2	29
7.3	7.5	7.3	12.8	12.5	12.3	4.0	3.9	3.5	10.1	9.7	9.4	15.9	15.1	14.2	30
7.9	7.8	7.8	32.0	33.5	32.1	6.8	6.8	6.4	24.9	24.3	23.0	19.6	18.8	18.3	31
58.8	57.6	58.8	180.9	178.7	174.8	35.0	34.7	33.6	137.0	131.1	118.4	174.2	166.1	163.8	32
4.3	4.3	3.8	15.9	15.3	14.7	3.6	3.5	3.3	12.9	12.0	11.3	21.0	20.6	20.3	33
23.1	22.9	22.1	69.8	68.2	64.8	17.0	16.6	15.8	47.6	45.8	43.0	42.4	38.8	36.8	34
92.6	92.0	93.1	229.2	228.8	222.6	49.4	48.7	46.1	158.1	151.7	146.1	216.2	208.2	201.8	35
5.3	5.2	5.2	21.3	21.9	21.1	5.6	5.5	5.2	14.3	14.2	13.6	26.4	25.0	24.1	36
3.0	3.0	3.0	8.4	8.3	8.0	1.4	1.5	1.4	5.8	5.8	5.5	6.8	6.8	6.7	37
2.2	2.3	2.3	9.7	9.9	9.6	2.4	2.4	2.0	5.4	5.2	5.0	7.5	7.4	6.9	38
45.9	45.2	47.6	89.9	88.9	86.9	22.7	22.4	21.5	68.3	66.6	64.1	57.1	55.5	52.6	39
9.2	9.3	9.1	22.8	22.8	22.4	4.4	4.6	4.3	14.4	14.0	13.1	15.3	14.7	14.1	40
17.6	17.1	16.7	65.9	64.2	61.6	12.3	11.7	11.2	42.9	41.5	39.7	66.4	64.3	61.6	41
.9	.9	.9	6.2	6.1	5.7	.8	.8	.8	4.2	4.0	4.0	2.0	2.0	1.9	42
5.3	5.2	5.1	17.6	17.1	16.5	5.4	5.1	4.8	11.2	10.4	10.1	7.8	7.2	7.1	43
81.5	79.1	77.3	306.3	292.7	277.8	68.7	65.9	62.8	236.9	226.9	214.2	249.0	243.2	232.2	44
57.5	55.6	55.1	177.0	170.8	163.2	43.5	42.2	40.4	135.3	130.8	124.8	155.1	150.7	144.6	45
118.0	113.5	108.0	488.1	479.9	468.1	130.0	125.3	120.3	470.8	456.2	435.5	302.3	296.1	290.5	46
76.7	73.1	68.4	292.7	287.9	283.6	94.1	90.8	87.6	322.0	309.6	297.2	176.6	173.5	169.7	47
3.6	3.2	3.1	12.9	12.2	11.9	1.4	1.4	1.3	6.6	6.2	5.8	7.7	7.6	7.5	48
1.9	1.7	1.8	9.3	9.3	9.2	(1)	(1)	(1)	9.6	9.1	8.7	4.2	4.3	4.3	49
2.4	2.4	2.2	15.0	14.8	14.3	2.4	2.4	2.3	9.7	9.7	9.3	11.3	10.6	10.1	50
2.0	2.0	1.9	11.2	11.1	10.4	1.4	1.4	1.4	9.2	8.8	8.2	6.9	6.7	6.5	51
2.7	2.6	2.4	9.9	9.8	9.5	(1)	(1)	(1)	9.3	9.4	9.3	4.8	4.6	4.6	52
8.3	8.3	7.8	40.0	39.3	38.4	9.3	9.1	9.0	35.1	33.9	32.5	25.6	24.7	24.2	53
6.3	6.5	6.2	26.4	25.5	24.9	7.3	6.8	6.5	22.5	21.9	21.1	16.5	15.9	15.7	54

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968
1	MICHIGAN.....	2,969.7	3,076.6	2,977.8	12.2	12.2	12.6	103.4	119.3	118.5	1,078.1	1,192.7	1,162.0
2	Ann Arbor.....	105.1	104.6	99.5	(1)	(1)	(1)	2.8	3.0	2.7	34.2	38.1	36.6
3	Battle Creek.....	60.6	62.1	60.7	(1)	(1)	(1)	1.9	2.0	1.9	25.0	26.6	26.3
4	Bay City.....	30.0	31.5	30.1	(1)	(1)	(1)	.9	1.2	1.3	10.9	12.6	12.0
5	Detroit.....	1,482.6	1,547.4	1,491.9	1.1	1.0	.9	51.2	60.8	53.0	557.7	610.9	596.9
6	Flint.....	151.6	169.6	161.7	(1)	(1)	(1)	5.1	5.6	5.5	70.9	88.4	86.6
7	Grand Rapids.....	187.7	192.9	187.8	(1)	(1)	(1)	7.5	9.2	8.8	72.1	77.8	77.1
8	Jackson.....	46.4	47.1	45.7	(1)	(1)	(1)	1.7	1.8	1.9	17.7	19.1	18.6
9	Kalamazoo.....	73.1	73.3	71.1	(1)	(1)	(1)	3.4	3.6	3.3	27.8	29.7	29.8
10	Lansing.....	129.5	135.8	127.2	(1)	(1)	(1)	4.6	5.5	5.4	35.4	41.4	38.4
11	Muskegon-Muskegon Heights.....	51.0	52.0	51.2	(1)	(1)	(1)	1.3	1.6	1.7	25.5	27.0	27.1
12	Saginaw.....	71.2	74.2	71.0	(1)	(1)	(1)	3.2	3.9	3.3	29.2	33.0	31.9
13	MINNESOTA.....	1,308.5	1,301.2	1,244.8	14.3	14.5	15.1	65.3	67.6	63.8	319.7	332.0	315.4
14	Duluth-Superior.....	55.9	55.7	55.3	(1)	(1)	(1)	2.6	2.7	2.7	9.9	10.4	9.9
15	Minneapolis-St. Paul.....	790.0	786.3	748.7	(1)	(1)	(1)	38.5	40.4	37.6	208.2	221.2	211.7
16	MISSISSIPPI.....	576.4	567.8	547.7	6.4	5.9	6.0	33.1	32.1	29.3	181.5	182.1	175.0
17	Jackson.....	92.0	90.4	86.5	.7	.7	.8	5.6	6.0	5.7	13.6	14.4	13.7
18	MISSOURI.....	1,654.0	1,665.9	1,625.1	8.8	9.2	8.6	72.0	73.0	72.2	443.7	462.2	459.2
19	Kansas City.....	508.5	512.0	498.8	.5	.6	.6	21.1	23.4	24.6	126.3	131.8	130.9
20	St. Joseph.....	32.1	32.2	31.3	(2)	(2)	(2)	1.7	1.8	1.5	9.9	10.0	9.9
21	St. Louis.....	898.8	913.2	893.4	2.3	2.5	2.3	40.3	40.9	41.7	274.3	292.2	292.6
22	Springfield.....	56.3	55.3	53.5	.1	.1	.1	2.9	2.9	2.6	15.3	15.7	15.8
23	MONTANA.....	200.6	197.7	194.8	6.7	6.4	5.5	10.9	10.5	11.5	23.6	24.1	23.3
24	Billings.....	29.0	28.0	27.3	(1)	(1)	(1)	1.7	1.6	1.6	3.2	2.9	3.0
25	Great Falls.....	24.6	24.4	23.7	(1)	(1)	(1)	1.9	1.9	1.9	2.9	3.1	3.0
26	NEBRASKA.....	481.3	472.0	456.3	1.6	1.7	1.6	24.8	25.2	23.8	85.2	86.7	83.2
27	Lincoln.....	71.2	70.5	67.3	-	-	-	3.6	3.8	3.5	10.4	10.8	10.0
28	Omaha.....	208.9	203.5	194.3	(2)	(2)	(2)	11.3	11.4	10.6	39.6	39.7	38.0
29	NEVADA.....	201.1	193.5	177.3	4.1	4.0	3.5	11.8	11.6	9.2	8.3	8.0	7.0
30	Las Vegas.....	111.1	106.5	96.0	.1	.2	.2	7.1	6.7	4.8	4.2	4.0	3.8
31	Reno.....	55.6	52.8	48.3	.2	.2	.2	3.5	3.4	2.7	2.9	2.8	2.3
32	NEW HAMPSHIRE.....	259.4	259.2	251.8	.3	.3	.3	12.8	13.3	12.0	92.1	97.9	99.7
33	Manchester.....	49.2	49.5	48.5	(1)	(1)	(1)	2.4	2.7	2.6	16.4	17.0	17.9
34	NEW JERSEY.....	2,606.5	2,574.1	2,486.7	3.3	3.3	3.1	119.6	116.8	114.3	867.0	893.8	88.54
35	Atlantic City.....	62.6	63.3	62.3	-	-	-	3.5	3.4	3.5	10.5	11.3	11.3
36	Camden.....	254.2	249.7	239.8	.1	.1	.1	13.9	13.2	12.8	74.3	77.3	78.4
37	Jersey City.....	259.2	265.0	263.8	-	-	-	7.0	6.7	7.0	108.1	112.8	114.9
38	Long Branch.....	118.8	117.6	-	.1	.1	-	6.2	6.6	-	21.7	23.0	-
39	Newark.....	794.3	792.5	768.9	.7	.9	.7	32.7	32.5	31.7	248.5	260.0	255.1
40	Paterson-Clifton-Passaic.....	507.5	500.3	480.4	.3	.3	.3	21.8	21.7	21.5	188.3	192.3	189.7
41	Perth Amboy.....	279.3	269.8	250.7	.9	.8	.7	13.0	13.2	11.7	116.1	115.6	111.4
42	Trenton.....	132.8	131.6	127.1	(1)	(1)	(1)	4.0	3.9	3.7	39.7	41.5	41.0
43	NEW MEXICO.....	290.0	287.6	276.7	16.9	17.3	16.2	15.9	17.9	17.0	21.2	20.3	18.2
44	Albuquerque.....	107.4	103.8	98.6	(1)	(1)	(1)	7.0	6.5	6.0	9.2	8.7	7.6
45	NEW YORK.....	7,174.2	7,179.8	7,001.7	8.0	8.1	8.4	267.6	264.7	260.4	1,769.3	1,870.8	1,879.0
46	Albany-Schenectady-Troy.....	278.2	273.9	268.8	(1)	(1)	(1)	14.4	14.4	12.3	60.8	62.3	65.3
47	Binghamton.....	105.1	105.7	105.0	(1)	(1)	(1)	4.6	4.8	5.2	43.0	45.1	44.8
48	Buffalo.....	496.9	503.6	493.6	(1)	(1)	(1)	19.0	20.3	20.6	168.9	178.3	177.9
49	Elmira.....	38.5	38.7	39.6	(1)	(1)	(1)	1.9	1.9	1.9	15.5	15.6	16.6
50	Monroe County.....	306.0	308.1	301.4	(1)	(1)	(1)	12.6	14.2	15.3	130.9	135.5	134.3
51	Nassau and Suffolk Counties.....	726.3	707.0	672.8	(1)	(1)	(1)	37.2	38.4	38.2	154.4	165.0	164.0
52	New York-Northeastern New Jersey.....	6,700.8	6,692.6	6,506.4	4.5	4.7	4.5	243.3	239.3	233.9	1,678.4	1,765.6	1,767.3
53	New York SMSA.....	4,861.3	4,865.5	4,742.6	2.6	2.6	2.8	168.8	165.2	162.1	1,017.2	1,085.0	1,096.3
54	New York City.....	3,763.8	3,797.3	3,721.7	1.9	2.0	2.2	108.9	104.5	102.5	772.8	825.8	840.0
55	Rochester.....	347.2	349.0	342.7	(1)	(1)	(1)	13.7	15.6	17.1	144.4	149.0	147.9
56	Rockland County.....	62.8	58.5	54.5	(1)	(1)	(1)	3.6	3.5	3.2	15.2	15.5	15.2
57	Syracuse.....	224.2	225.2	221.1	(1)	(1)	(1)	9.4	10.8	11.3	62.5	66.8	66.9
58	Utica-Rome.....	114.7	116.2	113.9	(1)	(1)	(1)	3.9	3.8	3.6	40.4	43.3	42.8
59	Westchester County.....	306.4	302.6	293.5	(1)	(1)	(1)	19.0	18.8	18.1	74.9	78.6	77.0

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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**1: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968
1	<b>NORTH CAROLINA</b>	1,745.9	1,735.0	1,678.5	3.7	3.5	3.6	96.5	96.8	92.4	698.9	712.7	692.2
2	Asheville	-	-	-	-	-	-	-	-	-	18.9	20.2	19.4
3	Charlotte	177.9	176.8	167.3	(1)	(1)	(1)	11.4	12.3	11.5	41.6	42.7	41.3
4	Greensboro-Winston-Salem-High Point	258.9	257.4	247.9	(1)	(1)	(1)	14.3	13.9	12.3	110.4	113.0	111.1
5	Raleigh	-	-	-	-	-	-	-	-	-	14.1	14.3	13.1
6	<b>NORTH DAKOTA</b>	162.7	157.4	155.2	1.6	1.9	1.8	9.9	8.0	8.0	9.8	9.0	8.9
7	Fargo-Moorhead	41.9	40.7	39.1	.1	.1	.1	2.9	2.7	2.6	3.0	3.0	2.8
8	<b>OHIO</b>	3,889.6	3,887.3	3,750.8	20.9	19.9	19.1	163.0	175.7	166.9	1,406.4	1,468.3	1,430.9
9	Akron	244.9	244.8	237.8	.3	.3	.2	8.5	9.2	8.6	96.2	100.2	99.1
10	Canton	137.0	136.3	131.2	.4	.4	.3	5.3	5.3	5.5	61.0	62.9	60.8
11	Cincinnati	509.6	501.8	486.0	.4	.4	.4	20.7	22.5	20.9	169.5	172.6	169.5
12	Cleveland	859.2	867.1	841.9	1.5	1.4	1.5	34.8	38.7	36.4	296.4	315.5	312.6
13	Columbus	378.6	370.5	353.5	.8	.8	.7	17.6	18.7	18.5	90.1	92.6	89.2
14	Dayton	330.6	333.8	318.8	.5	.5	.5	11.9	13.5	12.1	126.4	133.9	128.0
15	Toledo	243.9	240.9	231.4	.3	.3	.3	9.5	10.3	10.0	81.2	84.4	81.8
16	Youngstown-Warren	196.7	197.4	187.5	.3	.3	.4	8.7	9.3	7.8	85.9	91.5	87.7
17	<b>OKLAHOMA</b>	770.7	755.2	727.2	39.0	40.7	40.9	37.5	36.7	34.6	134.8	129.9	121.7
18	Oklahoma City	257.6	249.8	235.8	7.0	7.0	6.7	13.6	12.8	11.5	38.2	35.0	32.2
19	Tulsa	178.2	178.2	172.7	13.3	13.9	13.6	8.4	8.8	8.3	42.1	43.4	42.0
20	<b>OREGON</b>	709.1	707.3	677.9	1.3	1.5	1.6	29.1	32.3	31.1	172.1	180.4	173.7
21	Eugene	69.5	68.3	65.0	(1)	(1)	(1)	3.0	3.1	3.2	18.5	19.4	19.1
22	Portland	380.9	381.6	361.6	(1)	(1)	(1)	17.5	19.5	18.0	85.7	91.3	86.8
23	Salem	54.9	54.4	51.7	(1)	(1)	(1)	2.5	2.8	2.6	10.6	10.8	10.4
24	<b>PENNSYLVANIA</b>	4,349.1	4,371.1	4,259.5	39.6	38.7	38.1	195.6	202.0	193.5	1,525.6	1,583.2	1,564.7
25	Allentown-Bethlehem-Easton	217.1	214.8	211.9	.5	.5	.5	7.9	7.8	8.6	104.9	106.1	105.7
26	Altoona	48.7	48.3	46.8	(1)	(1)	(1)	2.2	2.0	1.9	15.7	15.9	15.1
27	Delaware Valley	1,542.0	1,559.8	1,526.5	1.4	1.3	1.2	73.3	73.1	68.7	473.8	502.0	501.8
28	Erie	97.9	95.9	93.7	(1)	(1)	(1)	3.9	4.1	3.9	43.3	42.7	42.7
29	Harrisburg	176.4	174.7	167.1	(1)	(1)	(1)	8.3	9.2	8.3	39.8	40.3	39.7
30	Johnstown	78.0	78.6	77.7	5.1	5.0	5.0	2.8	3.0	3.2	25.1	26.0	25.7
31	Lancaster	121.5	118.0	114.6	(1)	(1)	(1)	6.3	5.9	5.6	55.5	55.9	55.2
32	Philadelphia	1,796.2	1,809.7	1,766.3	1.5	1.4	1.3	87.1	86.3	81.5	548.0	579.2	580.3
33	Pittsburgh	874.9	874.8	855.3	8.9	8.7	8.4	42.8	44.7	44.0	278.3	289.4	288.6
34	Reading	124.2	123.9	119.9	(1)	(1)	(1)	4.4	4.2	4.2	57.3	59.5	58.2
35	Scranton	85.6	86.8	85.0	.4	.5	.5	2.6	2.9	2.6	33.8	35.2	35.1
36	Wilkes-Barre-Hazleton	123.5	122.0	118.2	2.1	2.3	2.4	5.6	5.2	5.0	53.0	53.2	52.2
37	York	134.5	130.1	124.5	(1)	(1)	(1)	9.8	7.8	7.1	61.6	61.7	60.1
38	<b>RHODE ISLAND</b>	341.6	346.2	343.0	(1)	(1)	(1)	14.8	15.0	15.3	120.7	127.9	127.4
39	Providence-Pawtucket-Warwick	354.2	358.4	353.7	(1)	(1)	(1)	15.1	15.0	15.4	137.8	145.1	143.2
40	<b>SOUTH CAROLINA</b>	839.4	819.9	782.9	1.7	1.7	1.6	50.2	49.4	50.3	340.0	342.5	327.2
41	Charleston	88.0	89.1	85.3	(1)	(1)	(1)	5.6	6.2	5.7	15.5	16.0	15.0
42	Columbia	110.9	106.3	101.1	(1)	(1)	(1)	7.5	7.2	7.4	20.4	20.0	19.3
43	Greenville	122.3	122.6	118.5	(1)	(1)	(1)	9.1	9.4	9.7	54.9	55.6	54.7
44	<b>SOUTH DAKOTA</b>	176.1	172.7	167.2	2.2	2.3	2.3	7.0	7.6	7.6	15.6	15.9	15.9
45	Sioux Falls	34.4	33.9	32.7	(1)	(1)	(1)	1.6	1.6	1.3	5.9	6.0	6.1
46	<b>TENNESSEE</b>	1,327.7	1,306.1	1,264.1	7.1	6.8	7.0	62.5	66.5	64.4	466.5	470.0	455.3
47	Chattanooga	128.3	128.3	122.2	.2	.2	.2	5.6	5.7	5.4	52.7	55.0	51.5
48	Knoxville	146.5	149.3	144.9	1.8	1.8	1.8	7.2	8.3	6.7	48.2	48.9	48.4
49	Memphis	274.1	273.0	261.4	.3	.2	.2	13.3	14.5	14.1	60.0	63.0	60.1
50	Nashville	222.0	217.9	210.9	(1)	(1)	(1)	13.2	13.5	13.2	61.5	61.5	60.2
51	<b>TEXAS</b>	3,639.9	3,599.2	3,419.6	104.7	104.6	102.9	223.3	228.4	214.9	742.2	753.0	712.0
52	Amarillo	-	-	-	-	-	-	-	-	-	7.1	6.5	5.2
53	Austin	112.9	107.4	-	(1)	(1)	-	8.2	8.0	-	11.6	10.7	9.4
54	Beaumont-Port Arthur-Orange	107.8	106.0	-	(1)	(1)	-	8.6	9.0	-	36.5	35.5	35.0
55	Corpus Christi	-	-	-	-	-	-	-	-	-	11.4	11.3	10.4

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			
1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	
92.3	90.1	86.8	311.1	309.2	300.0	70.4	67.0	62.7	206.0	201.3	196.4	267.0	254.4	244.4	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.5	18.4	17.9	46.2	45.5	43.3	12.3	12.2	11.2	27.1	26.0	23.8	20.8	19.7	18.3	3
16.0	15.3	14.1	46.7	46.1	43.8	12.3	12.0	11.7	30.2	29.5	27.8	29.0	27.6	27.1	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
12.2	12.2	12.2	43.9	42.9	42.3	7.0	6.8	6.7	28.9	28.2	28.0	49.4	48.3	47.2	6
3.1	3.2	3.1	12.5	12.2	12.1	2.4	2.2	2.2	8.3	8.1	7.7	9.7	9.2	8.5	7
226.0	221.2	214.6	777.1	759.9	727.8	158.0	151.4	146.2	572.0	546.1	517.0	566.3	544.8	528.3	8
14.5	14.6	14.6	48.5	48.1	46.3	7.0	6.6	6.4	34.5	32.4	30.9	35.4	33.4	31.8	9
7.2	7.0	6.7	25.8	25.5	24.3	4.7	4.5	4.4	19.8	18.4	17.3	12.8	12.3	11.9	10
36.7	35.3	34.2	107.3	104.7	101.5	26.5	25.5	24.8	78.6	75.1	70.9	69.8	65.7	63.9	11
51.8	51.5	50.2	183.9	180.7	172.8	42.1	40.5	39.4	138.8	132.0	125.1	110.0	106.8	103.9	12
21.2	20.8	19.9	79.6	77.6	73.5	25.4	23.9	22.7	64.3	60.2	56.1	79.6	76.0	73.0	13
12.7	12.4	12.0	61.6	59.7	56.6	9.8	9.2	8.7	49.0	46.5	43.9	58.8	58.2	57.1	14
17.4	16.8	16.8	53.1	51.7	48.9	8.1	7.8	7.5	39.4	37.3	35.2	35.0	32.3	30.9	15
10.1	9.8	9.6	38.0	35.9	33.8	5.7	5.4	5.2	27.3	25.5	24.2	20.8	19.8	18.8	16
52.2	52.8	51.5	168.1	165.0	159.8	36.7	35.8	34.3	116.9	110.3	104.2	185.5	184.0	180.2	17
16.8	17.0	15.7	57.9	56.1	52.5	15.6	15.1	14.5	38.1	36.7	34.4	70.4	70.1	68.3	18
15.6	15.8	16.0	40.3	40.0	39.3	9.4	9.1	8.5	30.7	29.2	27.3	18.4	18.0	17.7	19
48.3	49.2	48.7	161.9	159.8	151.6	36.0	35.3	33.2	113.9	107.9	101.9	146.5	140.8	136.1	20
4.1	4.2	4.1	14.5	13.8	12.5	2.9	2.9	2.8	10.1	9.3	8.6	16.4	15.6	14.7	21
30.3	30.4	29.7	92.7	92.5	88.1	24.8	24.2	22.8	67.9	64.6	59.3	62.0	59.1	56.9	22
1.9	1.9	1.8	11.1	10.9	10.2	3.1	3.1	3.0	7.9	7.6	7.1	17.8	17.3	16.6	23
266.5	266.9	267.9	828.4	817.5	789.7	190.4	184.2	178.3	683.8	669.2	639.0	619.2	609.4	588.1	24
12.3	11.9	11.6	35.8	35.5	34.8	6.9	6.5	6.2	28.4	27.1	25.7	20.4	19.4	18.8	25
7.6	7.7	7.8	8.7	8.4	8.0	1.2	1.2	1.2	7.1	7.1	6.8	6.2	6.1	5.9	26
92.0	93.0	97.2	309.2	312.7	305.3	92.8	90.3	87.5	280.4	271.1	257.6	219.1	216.4	207.2	27
5.4	5.3	5.3	17.6	16.9	16.3	3.4	3.4	3.1	13.3	12.8	12.2	11.1	10.8	10.2	28
14.1	13.5	12.8	34.7	33.6	31.7	8.9	8.5	8.1	26.2	25.8	23.8	44.3	43.8	42.7	29
4.7	4.7	4.9	13.4	13.5	13.3	2.1	2.1	2.0	12.1	12.2	11.7	12.7	12.2	11.9	30
5.4	5.4	5.2	23.2	21.8	20.6	2.9	2.8	2.7	17.7	16.5	15.9	10.4	9.9	9.5	31
105.0	106.2	109.0	368.4	368.5	357.1	102.1	99.2	95.9	318.5	308.7	291.7	265.5	260.4	249.6	32
59.4	59.4	58.3	177.5	174.7	168.8	37.9	36.9	36.2	159.7	155.2	149.3	110.3	105.8	101.8	33
6.6	6.3	6.3	20.4	19.3	18.5	4.7	4.6	4.5	16.8	16.6	16.0	13.9	13.2	12.2	34
4.9	5.0	5.2	16.9	17.3	16.5	2.6	2.6	2.6	14.4	13.8	13.2	10.0	9.6	9.4	35
6.8	6.7	6.6	20.8	20.8	19.9	4.3	3.9	3.7	15.4	14.8	13.6	15.5	15.1	14.8	36
5.9	5.8	5.6	24.8	23.7	22.1	3.0	2.8	2.7	15.3	14.7	14.1	14.1	13.6	12.8	37
15.8	15.4	14.6	67.9	66.3	65.2	15.7	15.2	14.9	54.5	53.9	53.3	52.2	52.5	52.3	38
15.3	14.9	14.1	68.6	66.9	65.8	15.6	15.2	14.8	53.6	52.9	52.1	48.2	48.4	48.3	39
37.3	35.6	33.1	142.4	137.1	130.6	29.8	28.4	26.7	89.2	84.6	79.3	148.8	140.8	134.1	40
6.0	5.5	5.4	17.4	17.5	16.6	3.6	3.5	3.3	10.3	10.3	9.7	29.6	30.2	29.5	41
7.1	6.8	6.4	23.0	22.3	20.8	7.1	6.4	5.8	15.2	14.3	13.1	30.6	29.2	28.2	42
4.6	4.6	4.4	21.5	21.2	19.8	4.8	4.7	4.4	14.3	13.5	11.9	13.1	13.6	13.6	43
10.4	10.4	10.3	45.4	44.8	44.0	7.5	7.3	7.2	32.4	30.9	29.4	55.6	53.5	50.5	44
3.0	3.1	3.0	10.5	10.3	9.7	2.0	1.9	2.0	6.7	6.4	6.3	4.7	4.6	4.4	45
66.6	65.7	62.6	258.1	254.8	245.6	57.5	55.7	52.7	182.7	172.4	168.3	226.7	214.2	208.2	46
6.6	6.5	6.4	24.5	23.2	21.9	7.1	7.1	6.8	16.1	15.4	14.7	15.5	15.2	15.3	47
6.6	6.4	6.4	30.4	31.8	30.8	5.0	4.5	4.8	18.4	19.6	18.6	28.9	28.0	27.4	48
20.0	20.2	19.4	69.4	68.3	66.7	15.1	14.8	14.1	45.4	43.8	41.3	50.6	48.2	45.5	49
13.9	13.0	12.5	48.2	47.2	45.9	14.6	14.4	12.8	36.8	35.6	34.3	33.8	32.7	32.0	50
255.0	250.4	246.2	875.1	850.2	803.7	191.4	183.7	172.9	586.6	577.5	536.9	661.6	651.4	630.1	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
3.5	3.3	-	22.7	21.7	-	5.7	5.1	-	15.4	15.1	-	45.8	43.5	-	53
8.7	8.6	-	21.6	21.0	-	3.8	3.7	-	15.7	15.5	-	12.9	12.7	-	54
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968
	TEXAS (continued)												
1	Dallas . . . . .	657.9	646.3	596.3	7.9	7.8	7.9	38.1	38.1	32.8	156.9	170.7	161.2
2	El Paso . . . . .	104.4	102.6	-	-	-	-	5.7	5.8	-	23.2	22.5	20.6
3	Fort Worth . . . . .	269.1	268.7	252.7	1.7	1.9	2.2	11.3	12.4	11.0	88.6	93.4	91.3
4	Galveston-Texas City . . . . .	-	-	-	-	-	-	-	-	-	11.6	11.3	10.8
5	Houston . . . . .	769.8	736.4	692.9	28.8	28.2	27.0	68.5	66.8	62.2	148.0	144.0	136.6
6	Lubbock . . . . .	-	-	-	-	-	-	-	-	-	7.3	7.3	6.7
7	San Antonio . . . . .	260.4	260.3	250.2	1.4	1.5	1.4	12.6	15.3	16.7	34.6	33.8	30.6
8	Waco . . . . .	-	-	-	-	-	-	-	-	-	12.1	13.4	13.2
9	Wichita Falls . . . . .	-	-	-	-	-	-	-	-	-	4.6	4.5	4.1
10	UTAH . . . . .	358.6	349.8	336.8	12.7	12.5	10.9	14.5	14.0	13.7	54.9	54.0	51.6
11	Salt Lake City . . . . .	192.0	184.0	175.2	7.7	7.6	6.2	9.0	7.8	7.5	29.7	29.1	28.0
12	VERMONT . . . . .	148.0	145.5	140.3	1.0	1.0	1.1	10.1	9.8	9.1	40.6	43.4	43.7
13	Burlington <sup>9</sup> . . . . .	38.3	36.9	34.8	-	-	-	-	-	-	10.6	10.8	10.5
14	Springfield <sup>9</sup> . . . . .	12.9	13.4	13.6	-	-	-	-	-	-	5.9	6.7	7.0
15	VIRGINIA <sup>3</sup> . . . . .	1,464.1	1,438.1	1,385.4	15.3	14.0	13.9	95.3	94.7	91.5	364.9	371.0	362.6
16	Lynchburg . . . . .	52.9	50.8	48.7	(1)	(1)	(1)	2.8	2.6	2.7	24.6	24.1	22.6
17	Newport News-Hampton . . . . .	95.2	96.0	94.6	(1)	(1)	(1)	5.1	5.2	4.8	25.4	27.1	28.4
18	Norfolk-Portsmouth . . . . .	199.8	197.7	191.8	(1)	(1)	(1)	13.9	13.4	12.8	20.2	20.2	20.0
19	Northern Virginia <sup>10</sup> . . . . .	265.5	251.4	234.7	.4	.4	.4	20.7	21.2	19.7	9.2	9.5	9.2
20	Richmond . . . . .	239.0	231.9	222.4	.2	.2	.2	15.2	15.3	14.8	51.8	52.1	51.3
21	Roanoke . . . . .	82.1	79.9	76.3	.1	.1	.1	4.9	4.9	4.7	19.4	18.8	18.5
22	WASHINGTON . . . . .	1,084.1	1,120.7	1,099.6	1.7	1.6	1.6	53.6	57.6	58.8	240.5	278.6	286.9
23	Seattle-Everett . . . . .	519.3	559.8	553.3	(1)	(1)	(1)	24.9	28.9	29.9	129.2	162.4	171.8
24	Spokane . . . . .	90.5	89.2	85.8	(1)	(1)	(1)	5.2	4.9	4.3	12.5	13.6	13.3
25	Tacoma . . . . .	106.1	108.3	105.9	(1)	(1)	(1)	5.2	6.0	6.0	19.6	20.9	20.5
26	WEST VIRGINIA . . . . .	513.9	512.3	508.4	48.9	47.1	45.5	27.5	26.8	26.0	126.4	131.0	132.4
27	Charleston . . . . .	84.2	84.2	85.0	3.9	3.6	3.5	5.0	4.7	4.4	16.8	18.4	20.4
28	Huntington-Ashland . . . . .	83.9	82.5	80.9	.6	.5	.6	4.2	4.1	4.1	27.0	26.5	25.8
29	Wheeling . . . . .	58.6	57.7	56.3	4.8	4.2	3.5	3.1	3.8	3.6	15.6	15.6	15.9
30	WISCONSIN . . . . .	1,534.7	1,525.1	1,472.1	2.6	2.6	2.4	61.9	66.6	65.9	500.8	520.9	510.3
31	Green Bay . . . . .	54.9	53.7	50.9	(1)	(1)	(1)	2.4	2.7	2.4	17.1	16.8	16.4
32	Kenosha . . . . .	35.8	33.1	32.9	(1)	(1)	(1)	1.1	1.3	1.3	16.4	14.6	15.3
33	La Crosse . . . . .	29.7	29.7	28.7	(1)	(1)	(1)	1.0	1.2	1.2	8.3	8.7	8.6
34	Madison . . . . .	121.8	119.4	115.0	(1)	(1)	(1)	6.3	6.4	6.5	16.5	16.9	15.8
35	Milwaukee . . . . .	570.3	571.2	555.7	(1)	(1)	(1)	20.5	23.7	23.2	203.9	213.0	211.9
36	Racine . . . . .	55.4	56.1	53.9	(1)	(1)	(1)	1.8	1.8	1.8	24.9	26.3	25.3
37	WYOMING . . . . .	107.4	107.6	103.4	11.4	11.8	10.6	6.5	6.6	7.0	7.2	7.3	6.9
38	Casper . . . . .	20.1	19.7	18.4	3.6	3.7	3.4	1.0	1.3	1.2	1.5	1.4	1.2
39	Cheyenne . . . . .	18.3	18.1	18.2	(1)	(1)	(1)	.9	.9	1.0	1.2	1.0	1.0

<sup>1</sup> Combined with services.  
<sup>2</sup> Combined with construction.  
<sup>3</sup> Federal employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in data for the District of Columbia.  
<sup>4</sup> Area included in Chicago-Northwestern Indiana Standard Consolidated Area.  
<sup>5</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.  
<sup>6</sup> Area included in New York-Northeastern New Jersey Standard Consolidated 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> Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.  
<sup>10</sup> Subarea of Washington, D. C. Standard Metropolitan Statistical Area.

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			
1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	
52.5	51.1	47.6	173.8	167.2	155.6	54.0	51.4	46.9	103.2	95.7	85.3	71.5	64.3	59.1	1
8.6	8.9	-	25.7	25.1	-	4.5	4.2	-	14.4	13.8	-	22.3	22.3	-	2
15.5	15.3	14.7	62.2	60.8	56.5	12.7	11.7	10.5	41.5	39.6	35.0	35.6	33.6	31.5	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
63.6	61.1	60.8	188.6	179.8	169.3	41.2	38.3	35.2	140.4	133.8	121.4	90.7	84.4	80.4	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.4	11.3	10.6	63.0	62.1	60.2	16.3	16.3	15.5	44.6	44.3	43.3	76.5	75.7	71.9	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.2	23.1	23.1	79.8	77.7	74.0	15.0	14.2	13.3	58.2	54.8	51.1	100.3	99.6	99.1	10
15.5	15.2	14.9	50.6	49.0	46.4	11.5	10.8	10.1	32.6	30.3	28.2	35.4	34.4	33.7	11
8.1	7.7	7.4	28.1	27.1	25.7	5.6	5.2	5.0	28.8	26.9	25.2	25.8	24.4	23.4	12
2.0	1.9	1.7	7.6	7.4	7.0	-	-	-	7.1	6.8	6.3	-	-	-	13
.8	.8	.8	2.0	1.9	1.8	-	-	-	1.8	1.7	1.6	-	-	-	14
97.4	95.4	93.7	303.7	294.6	280.3	67.7	65.2	61.4	219.8	210.8	198.4	300.0	292.4	283.6	15
2.5	2.3	2.3	8.6	8.2	8.0	2.1	2.0	1.8	6.5	6.2	6.0	5.7	5.4	5.3	16
4.2	4.0	4.1	16.0	15.8	14.8	2.9	2.9	2.7	12.6	11.9	11.0	29.0	29.1	28.8	17
16.4	16.1	16.1	48.2	47.5	45.1	9.6	9.1	8.5	31.2	29.7	27.7	60.3	61.7	61.6	18
20.7	19.3	18.7	61.7	58.3	53.7	15.6	14.6	13.3	48.9	45.6	41.7	88.3	82.5	78.0	19
18.3	17.7	17.5	53.8	52.3	50.2	18.6	17.7	16.7	35.4	34.0	32.0	45.7	42.6	39.7	20
11.2	10.7	10.3	18.9	18.7	17.6	4.1	4.1	3.8	13.4	12.7	12.0	10.1	9.9	9.3	21
72.7	73.7	71.7	242.4	245.0	235.7	58.2	58.3	55.3	170.8	168.5	159.5	244.2	237.4	230.1	22
39.0	40.5	39.2	117.1	121.6	116.7	35.5	35.6	33.5	81.9	82.1	77.0	91.7	88.7	85.2	23
7.4	7.5	7.3	23.5	23.1	22.5	5.2	5.1	4.8	18.8	18.0	17.3	17.9	17.0	16.3	24
6.7	6.9	6.6	23.1	23.6	23.1	6.1	6.0	5.7	18.8	18.4	17.5	26.6	26.5	26.5	25
41.6	41.1	41.3	91.1	91.5	90.8	15.7	15.1	14.7	67.1	64.7	62.8	95.6	95.0	94.9	26
9.0	9.0	8.8	18.9	19.0	18.7	3.9	3.7	3.6	13.0	12.3	11.4	13.6	13.5	14.1	27
8.3	8.1	8.0	18.0	18.1	17.4	2.9	2.8	2.8	10.6	10.3	9.9	12.4	12.1	12.3	28
3.8	3.6	3.5	12.5	12.6	12.3	2.1	2.1	2.0	10.0	9.3	8.8	6.7	6.6	6.5	29
80.8	79.6	76.8	331.4	321.6	308.7	61.1	58.8	56.2	230.8	219.7	207.2	265.4	255.3	244.6	30
4.5	4.5	4.3	13.8	13.6	12.8	1.4	1.4	1.3	8.3	8.0	7.6	7.3	6.7	6.1	31
1.3	1.3	1.4	6.6	6.2	5.8	.7	.7	.6	4.9	4.7	4.5	4.7	4.3	3.9	32
2.1	2.2	2.1	7.4	7.1	6.7	.6	.6	.6	5.8	5.4	5.3	4.5	4.4	4.1	33
5.6	5.3	4.9	24.7	23.7	22.4	6.3	6.1	6.0	18.0	16.9	15.7	44.4	44.0	43.8	34
31.3	30.7	29.8	122.4	119.6	115.5	28.7	27.8	26.8	90.8	85.9	80.7	72.5	70.4	67.8	35
2.1	2.2	2.1	10.0	9.7	9.3	1.5	1.4	1.4	7.9	7.7	7.3	7.3	7.0	6.7	36
10.8	10.7	10.5	22.6	23.5	22.5	3.7	3.6	3.4	16.1	15.8	14.2	29.1	28.3	28.3	37
1.5	1.5	1.5	4.6	4.6	4.4	.8	.9	.8	2.4	2.6	2.4	4.7	3.7	3.5	38
2.4	2.5	2.6	3.9	3.9	4.0	1.0	.9	1.0	3.3	3.2	3.1	5.6	5.7	5.5	39

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

**2: 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		
	1970	1969	1968	1970	1969	1968	1970	1969	1968
ALABAMA	\$114.97	\$111.38	\$105.32	40.2	41.1	41.3	\$2.86	\$2.71	\$2.55
Birmingham	136.48	131.93	126.99	40.5	41.1	41.5	3.37	3.21	3.06
Mobile	136.54	133.76	124.66	41.5	42.6	42.4	3.29	3.14	2.94
ALASKA	191.99	185.24	171.97	41.2	42.1	39.9	4.66	4.40	4.31
ARIZONA	132.40	126.17	123.52	40.0	40.7	40.9	3.31	3.10	3.02
Phoenix	133.39	127.08	123.82	39.7	40.6	41.0	3.36	3.13	3.02
Tucson	134.86	129.37	127.65	40.5	41.2	40.7	3.33	3.14	3.14
ARKANSAS	98.70	94.13	88.84	39.8	40.4	40.2	2.48	2.33	2.21
Fort Smith	93.21	89.50	85.57	39.0	39.6	39.8	2.39	2.26	2.15
Little Rock-North Little Rock	104.81	99.63	93.50	39.7	40.5	40.3	2.64	2.46	2.32
Pine Bluff	128.07	118.37	111.92	40.4	41.1	41.3	3.17	2.88	2.71
CALIFORNIA	150.48	145.89	138.63	39.6	40.3	40.3	3.80	3.62	3.44
Anaheim-Santa Ana-Garden Grove	151.50	147.50	138.99	40.4	41.2	41.0	3.75	3.58	3.39
Bakersfield	151.26	148.92	142.27	39.7	40.8	41.0	3.81	3.65	3.47
Fresno	127.87	121.91	115.97	38.4	38.7	38.4	3.33	3.15	3.02
Los Angeles-Long Beach	145.30	142.51	136.82	39.7	40.6	40.6	3.66	3.51	3.37
Modesto-Turlock	126.11	124.36	122.18	37.2	38.5	38.3	3.39	3.23	3.19
Oxnard-Ventura	133.13	127.01	123.53	38.7	39.2	40.5	3.44	3.24	3.05
Sacramento	159.49	154.45	150.40	38.9	39.3	40.0	4.10	3.93	3.76
Salinas-Monterey	129.20	128.21	123.24	38.0	38.5	39.0	3.40	3.33	3.16
San Bernardino-Riverside-Ontario	148.45	141.86	137.90	39.8	40.3	40.8	3.73	3.52	3.38
San Diego	164.80	158.36	150.66	40.0	40.5	40.5	4.12	3.91	3.72
San Francisco-Oakland	165.33	159.19	150.08	38.9	39.5	39.6	4.25	4.03	3.79
San Jose	159.20	153.12	143.78	39.8	40.4	40.5	4.00	3.79	3.55
Santa Barbara	137.63	136.12	126.29	39.1	39.8	39.1	3.52	3.42	3.23
Santa Rosa	138.22	128.21	121.52	38.5	38.5	39.2	3.59	3.33	3.10
Stockton	153.24	145.89	137.08	39.7	40.3	40.2	3.86	3.62	3.41
Vallejo-Napa	143.64	140.56	131.79	37.8	38.3	38.2	3.80	3.67	3.45
COLORADO	141.40	138.43	130.60	40.4	41.2	41.2	3.50	3.36	3.17
Denver	145.84	141.32	132.84	40.4	41.2	41.0	3.61	3.43	3.24
CONNECTICUT	140.29	136.78	128.63	40.9	41.7	41.9	3.43	3.28	3.07
Bridgeport	142.86	139.53	133.35	40.7	41.9	42.2	3.51	3.33	3.16
Hartford	150.54	148.86	140.18	41.7	42.9	43.0	3.61	3.47	3.26
New Britain	140.55	137.61	128.96	40.8	41.7	41.6	3.44	3.30	3.10
New Haven	140.94	135.14	128.65	40.5	41.2	41.5	3.48	3.28	3.10
Stamford	153.67	145.09	131.77	42.1	42.3	41.7	3.65	3.43	3.16
Waterbury	132.66	126.27	119.36	41.2	41.4	41.3	3.22	3.05	2.89
DELAWARE	135.38	130.17	129.34	39.7	40.3	40.8	3.41	3.23	3.17
Wilmington	151.22	145.44	142.74	39.9	40.4	40.9	3.79	3.60	3.49
DISTRICT OF COLUMBIA :									
Washington SMSA	147.83	138.77	129.17	38.8	39.2	39.5	3.81	3.54	3.27
FLORIDA	118.78	113.30	105.82	41.1	41.5	41.5	2.89	2.73	2.55
Fort Lauderdale-Hollywood	127.51	112.87	104.12	41.0	40.6	40.2	3.11	2.78	2.59
Jacksonville	122.36	116.88	107.20	41.2	41.3	40.3	2.97	2.83	2.66
Miami	112.52	106.60	98.49	39.9	41.0	40.7	2.82	2.60	2.42
Orlando	119.65	116.32	111.78	41.4	42.3	42.5	2.89	2.75	2.63
Pensacola	138.24	133.98	126.52	40.9	42.4	42.6	3.38	3.16	2.97
Tampa-St. Petersburg	123.71	116.34	110.72	41.1	42.0	42.1	3.01	2.77	2.63
West Palm Beach	138.91	123.19	116.77	45.1	41.9	43.9	3.08	2.94	2.66
GEORGIA	106.27	104.55	96.70	39.8	41.0	40.8	2.67	2.55	2.37
Atlanta	131.04	130.73	120.18	39.0	40.6	40.6	3.36	3.22	2.96
Savannah	133.25	125.44	119.56	41.0	41.4	42.1	3.25	3.03	2.84
HAWAII	126.80	119.59	112.68	40.0	39.6	40.1	3.17	3.02	2.81
Honolulu	126.96	120.78	111.84	39.8	39.6	39.8	3.19	3.05	2.81
IDAHO	127.98	122.92	119.30	38.9	38.9	39.9	3.29	3.16	2.99
ILLINOIS	147.03	141.69	132.53	40.3	41.0	40.8	3.65	3.46	3.25
Chicago	148.49	143.86	134.13	40.2	41.1	40.8	3.69	3.50	3.28
Davenport-Rock Island-Moline	162.57	153.97	145.79	39.7	39.9	39.8	4.10	3.86	3.66

See footnotes at end of table.

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

**2: 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		
	1970	1969	1968	1970	1969	1968	1970	1969	1968
<b>ILLINOIS (continued)</b>									
Peoria .....	\$167.44	\$160.12	\$153.73	41.1	41.3	42.0	\$4.08	\$3.88	\$3.66
Rockford .....	145.12	143.80	135.62	40.6	42.1	42.2	3.57	3.41	3.22
<b>INDIANA</b> .....	149.17	143.97	136.86	40.1	40.9	41.1	3.72	3.52	3.33
Indianapolis .....	150.72	144.79	139.10	40.3	40.9	41.4	3.74	3.54	3.36
<b>IOWA</b> .....	146.89	137.94	130.14	39.7	40.1	40.4	3.70	3.44	3.22
Cedar Rapids .....	150.29	139.33	129.58	40.4	41.1	41.0	3.72	3.39	3.16
Des Moines .....	151.69	147.50	137.14	39.4	40.3	40.0	3.85	3.66	3.43
Dubuque .....	161.50	149.35	142.87	38.0	38.1	38.9	4.25	3.92	3.67
Sioux City .....	139.74	133.88	127.65	41.1	42.5	42.4	3.40	3.15	3.01
Waterloo .....	159.18	154.01	155.13	39.4	39.9	41.4	4.04	3.86	3.75
<b>KANSAS</b> .....	135.41	128.86	126.32	41.6	41.9	42.5	3.25	3.07	2.97
Topeka .....	147.93	151.82	140.99	42.4	44.8	44.1	3.49	3.39	3.20
Wichita .....	146.23	133.42	132.27	42.8	41.9	42.1	3.42	3.18	3.14
<b>KENTUCKY</b> .....	128.84	122.71	117.23	39.4	40.1	40.4	3.27	3.06	2.90
Louisville .....	145.36	135.89	131.67	39.5	39.4	40.3	3.68	3.45	3.27
<b>LOUISIANA</b> .....	137.10	128.74	121.93	41.8	41.8	41.9	3.28	3.08	2.91
Baton Rouge .....	158.76	154.40	146.32	42.0	42.3	41.1	3.78	3.65	3.56
New Orleans .....	135.68	131.93	125.93	40.5	41.1	41.7	3.35	3.21	3.02
Shreveport .....	124.14	120.38	109.41	40.7	41.8	41.6	3.05	2.88	2.63
<b>MAINE</b> .....	108.67	102.51	98.09	40.1	40.2	40.7	2.71	2.55	2.41
Lewiston-Auburn .....	88.33	84.41	83.38	36.5	36.7	37.9	2.42	2.30	2.20
Portland .....	114.23	107.87	101.75	39.8	40.1	39.9	2.87	2.69	2.55
<b>MARYLAND</b> .....	136.34	131.38	122.61	40.1	40.8	40.6	3.40	3.22	3.02
Baltimore .....	141.50	135.86	126.27	40.2	40.8	40.6	3.52	3.33	3.11
<b>MASSACHUSETTS</b> .....	126.62	120.69	114.40	39.2	39.7	40.0	3.23	3.04	2.86
Boston .....	137.94	128.51	122.19	39.3	39.3	39.8	3.51	3.27	3.07
Brockton .....	109.00	103.50	100.35	37.2	37.5	39.2	2.93	2.76	2.56
Fall River .....	94.15	91.14	85.92	35.0	35.6	36.1	2.69	2.56	2.38
Lawrence-Haverhill .....	119.50	113.60	106.80	39.7	40.0	40.0	3.01	2.84	2.67
Lowell .....	111.65	104.76	99.04	38.5	38.8	39.3	2.90	2.70	2.52
New Bedford .....	100.54	99.20	94.28	37.1	38.3	38.8	2.71	2.59	2.43
Springfield-Chicopee-Holyoke .....	128.70	124.22	117.97	39.6	40.2	40.4	3.25	3.09	2.92
Worcester .....	129.70	128.24	119.80	38.6	40.2	39.8	3.36	3.19	3.01
<b>MICHIGAN</b> .....	168.33	166.78	164.15	40.6	42.0	43.3	4.15	3.97	3.79
Ann Arbor .....	176.80	167.20	167.35	41.6	41.8	42.8	4.25	4.00	3.91
Battle Creek .....	166.99	164.64	150.59	41.0	43.2	42.6	4.07	3.81	3.54
Bay City .....	156.88	150.91	145.16	40.6	41.7	42.1	3.86	3.62	3.45
Detroit .....	181.13	176.85	173.05	41.4	42.4	44.0	4.38	4.17	3.93
Flint .....	188.22	188.06	184.00	40.4	42.1	42.9	4.66	4.47	4.29
Grand Rapids .....	149.18	144.55	134.40	40.2	41.1	41.1	3.71	3.52	3.27
Jackson .....	157.43	157.28	144.98	38.7	40.6	39.6	4.07	3.87	3.66
Kalamazoo .....	168.56	157.33	144.63	42.5	43.2	42.4	3.97	3.64	3.41
Lansing .....	175.77	173.84	174.42	40.5	42.0	43.4	4.34	4.14	4.02
Muskegon-Muskegon Heights .....	150.32	146.98	136.27	39.8	42.2	40.4	3.78	3.48	3.37
Saginaw .....	179.93	175.01	167.87	40.7	42.1	43.0	4.42	4.16	3.90
<b>MINNESOTA</b> .....	141.30	136.73	128.87	40.0	41.2	41.2	3.54	3.32	3.13
Duluth-Superior .....	129.88	125.55	121.25	39.1	39.2	39.8	3.32	3.20	3.04
Minneapolis-St. Paul .....	148.95	144.73	135.81	40.0	41.6	41.5	3.72	3.48	3.27
<b>MISSISSIPPI</b> .....	97.69	95.06	91.43	40.2	40.8	41.0	2.43	2.33	2.23
Jackson .....	100.12	92.62	90.42	41.2	40.8	41.1	2.43	2.27	2.20
<b>MISSOURI</b> .....	133.23	127.76	122.31	39.3	39.8	40.1	3.39	3.21	3.05
Kansas City .....	130.87	129.28	127.30	39.9	40.4	40.8	3.28	3.20	3.12
St. Joseph .....	145.61	137.26	124.23	42.7	43.3	42.4	3.41	3.17	2.93
St. Louis .....	151.26	145.04	137.63	39.7	40.4	40.6	3.81	3.59	3.39
Springfield .....	110.48	105.63	-	38.9	39.4	-	2.84	2.68	-
<b>MONTANA</b> .....	148.00	138.23	133.33	40.0	40.3	40.9	3.70	3.43	3.26
<b>NEBRASKA</b> .....	135.08	127.84	119.38	42.0	42.9	42.7	3.21	2.98	2.80
Lincoln .....	123.64	-	-	40.2	-	-	3.08	-	-
Omaha .....	137.66	129.74	123.12	41.3	42.1	42.2	3.33	3.08	2.92

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS

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2: 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		
	1970	1969	1968	1970	1969	1968	1970	1969	1968
NEVADA.....	\$160.74	\$157.61	\$150.14	39.3	39.8	39.1	\$4.09	\$3.96	\$3.84
Las Vegas.....	179.89	178.93	156.38	40.7	42.3	40.2	4.42	4.23	3.89
NEW HAMPSHIRE.....	108.92	103.10	98.74	38.9	39.5	40.3	2.80	2.61	2.45
Manchester.....	99.41	92.99	88.94	37.8	37.8	38.5	2.63	2.46	2.31
NEW JERSEY.....	139.26	132.60	125.76	40.6	40.8	40.7	3.43	3.25	3.09
Atlantic City.....	111.32	105.47	99.05	39.9	39.5	40.1	2.79	2.67	2.47
Camden <sup>1</sup> .....	137.54	133.74	127.41	40.1	40.9	41.1	3.43	3.27	3.10
Jersey City <sup>2</sup> .....	141.95	137.12	125.86	40.1	41.3	40.6	3.54	3.32	3.10
Newark <sup>2</sup> .....	138.45	132.84	126.79	39.9	40.5	40.9	3.47	3.28	3.10
Paterson-Clifton-Passaic <sup>2</sup> .....	135.59	133.66	125.36	39.3	41.0	40.7	3.45	3.26	3.08
Perth Amboy <sup>2</sup> .....	142.84	138.79	131.78	39.9	40.7	40.8	3.58	3.41	3.23
Trenton.....	133.33	126.88	123.51	39.1	39.9	40.1	3.41	3.18	3.08
NEW MEXICO.....	104.52	104.41	102.47	39.0	39.7	40.5	2.68	2.63	2.53
Albuquerque.....	114.80	113.93	111.51	40.0	40.4	41.3	2.87	2.82	2.70
NEW YORK.....	134.59	128.30	121.48	38.9	39.6	39.7	3.46	3.24	3.06
Albany-Schenectady-Troy.....	148.60	137.83	130.33	40.6	40.9	40.6	3.66	3.37	3.21
Binghamton.....	135.86	132.40	119.54	40.8	41.9	40.8	3.33	3.16	2.93
Buffalo.....	159.15	154.01	147.49	40.6	41.4	41.9	3.92	3.72	3.52
Elmira.....	126.22	120.69	111.50	39.2	39.7	39.4	3.22	3.04	2.83
Monroe County <sup>3</sup> .....	163.60	155.12	144.84	40.9	41.7	41.5	4.00	3.72	3.49
Nassau and Suffolk Counties <sup>4</sup> .....	136.67	127.68	125.05	39.5	39.9	41.0	3.46	3.20	3.05
New York-Northeastern New Jersey.....	132.78	126.22	119.78	38.6	39.2	39.4	3.44	3.22	3.04
New York SMSA <sup>2</sup> .....	128.90	121.09	115.12	37.8	38.2	38.5	3.41	3.17	2.99
New York City <sup>4</sup> .....	126.82	119.51	112.94	37.3	37.7	37.9	3.40	3.17	2.98
Rochester.....	158.69	150.54	140.69	40.9	41.7	41.5	3.88	3.61	3.39
Rockland County <sup>4</sup> .....	135.54	131.36	125.63	40.1	41.7	41.6	3.38	3.15	3.02
Syracuse.....	143.02	138.51	129.97	40.4	41.1	41.0	3.54	3.37	3.17
Utica-Rome.....	126.29	123.22	115.43	39.1	40.4	40.5	3.23	3.05	2.85
Westchester County <sup>4</sup> .....	131.14	126.22	120.69	38.8	39.2	39.7	3.38	3.22	3.04
NORTH CAROLINA.....	97.17	94.13	88.48	39.5	40.4	40.4	2.46	2.33	2.19
Asheville.....	91.71	91.71	88.10	40.4	40.4	40.6	2.27	2.27	2.17
Charlotte.....	104.38	99.63	93.30	40.3	41.0	41.1	2.59	2.43	2.27
Greensboro-Winston-Salem-High Point.....	106.59	100.47	93.53	38.9	39.4	39.3	2.74	2.55	2.38
Raleigh.....	100.08	95.99	87.30	39.4	40.5	39.5	2.54	2.37	2.21
NORTH DAKOTA.....	119.54	110.92	105.01	40.8	39.9	39.1	2.93	2.78	2.69
Fargo-Moorhead.....	129.42	122.38	120.35	39.7	39.1	40.3	3.26	3.13	2.99
OHIO.....	154.69	152.10	142.58	40.6	41.9	41.8	3.81	3.63	3.41
Akron.....	166.87	169.92	159.53	40.7	42.8	42.5	4.10	3.97	3.75
Canton.....	152.74	150.95	136.29	40.3	41.7	40.6	3.79	3.62	3.36
Cincinnati.....	147.29	138.86	133.37	40.8	41.7	42.0	3.61	3.33	3.18
Cleveland.....	155.16	158.15	147.04	40.3	42.4	42.1	3.85	3.73	3.49
Columbus.....	144.80	140.42	132.48	40.0	40.7	40.5	3.62	3.45	3.27
Dayton.....	172.61	172.94	160.74	41.0	42.7	42.6	4.21	4.05	3.77
Toledo.....	162.78	165.98	153.84	40.9	43.0	42.6	3.98	3.86	3.61
Youngstown-Warren.....	160.00	158.28	146.07	39.8	40.9	40.3	4.02	3.87	3.62
OKLAHOMA.....	126.07	121.25	114.11	40.8	41.1	40.9	3.09	2.95	2.79
Oklahoma City.....	124.14	117.83	108.00	40.7	41.2	40.6	3.05	2.86	2.66
Tulsa.....	139.93	133.63	126.46	41.4	41.5	41.6	3.38	3.22	3.04
OREGON.....	148.22	140.37	132.66	38.8	39.1	39.6	3.82	3.59	3.35
Eugene.....	154.05	143.75	138.51	39.4	39.6	41.1	3.91	3.63	3.37
Portland.....	145.92	141.12	131.77	38.4	39.2	39.1	3.80	3.60	3.37
PENNSYLVANIA.....	131.71	127.52	119.20	39.2	40.1	40.0	3.36	3.18	2.98
Allentown-Bethlehem-Easton.....	128.87	123.09	114.66	38.7	39.2	39.0	3.33	3.14	2.94
Altoona.....	108.20	107.56	98.67	38.1	39.4	39.0	2.84	2.73	2.53
Delaware Valley <sup>1</sup> .....	141.33	136.89	-	39.7	40.5	-	3.56	3.38	-
Erie.....	142.76	137.05	128.94	41.5	42.3	42.0	3.44	3.24	3.07
Harrisburg.....	123.60	117.56	109.47	40.0	40.4	40.1	3.09	2.91	2.73
Johnstown.....	128.41	126.67	117.00	36.9	37.7	37.5	3.48	3.36	3.12
Lancaster.....	122.98	116.76	107.60	39.8	40.4	40.0	3.09	2.89	2.69
Philadelphia.....	140.89	136.49	126.63	39.8	40.5	40.2	3.54	3.37	3.15
Pittsburgh.....	152.36	146.65	138.85	40.2	40.4	40.6	3.79	3.63	3.42
Reading.....	121.44	116.40	110.29	39.3	40.0	40.4	3.09	2.91	2.73
Scranton.....	102.48	98.68	94.60	36.6	38.1	38.3	2.80	2.59	2.47
Wilkes-Barre-Hazleton.....	97.82	93.22	86.85	35.7	36.7	36.8	2.74	2.54	2.36
York.....	122.48	120.42	111.14	41.1	42.4	42.1	2.98	2.84	2.64

See footnotes at end of table.

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

**2: 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		
	1970	1969	1968	1970	1969	1968	1970	1969	1968
RHODE ISLAND . . . . .	\$111.72	\$107.87	\$101.96	39.2	40.1	40.3	\$2.85	\$2.69	\$2.53
Providence-Pawtucket-Warwick . . . . .	112.68	108.94	102.91	39.4	40.2	40.2	2.86	2.71	2.56
SOUTH CAROLINA . . . . .	100.90	98.47	92.06	40.2	41.2	41.1	2.51	2.39	2.24
Charleston . . . . .	122.91	114.81	111.22	40.7	41.3	41.5	3.02	2.78	2.68
Greenville . . . . .	98.31	98.41	89.98	39.8	41.7	40.9	2.47	2.36	2.20
SOUTH DAKOTA . . . . .	133.35	121.52	121.32	44.6	43.4	45.1	2.99	2.80	2.69
Sioux Falls . . . . .	163.44	142.44	137.53	48.5	45.8	47.1	3.37	3.11	2.92
TENNESSEE . . . . .	108.93	105.04	99.38	39.9	40.4	40.4	2.73	2.60	2.46
Chattanooga . . . . .	116.91	114.52	108.40	39.9	40.9	40.6	2.93	2.80	2.67
Knoxville . . . . .	120.87	116.69	110.28	39.5	40.1	40.1	3.06	2.91	2.75
Memphis . . . . .	122.31	117.14	111.65	40.5	41.1	41.2	3.02	2.85	2.71
Nashville . . . . .	117.20	113.93	107.32	40.0	40.4	40.5	2.93	2.82	2.65
TEXAS . . . . .	129.43	125.03	119.81	40.7	41.4	41.6	3.18	3.02	2.88
Amarillo . . . . .	114.95	108.54	101.56	39.5	40.5	40.3	2.91	2.68	2.52
Austin . . . . .	114.11	101.50	95.27	41.8	40.6	40.2	2.73	2.50	2.37
Beaumont-Port Arthur-Orange . . . . .	168.50	163.53	151.62	40.8	41.4	41.2	4.13	3.95	3.68
Corpus Christi . . . . .	154.61	145.51	139.40	41.9	42.3	42.5	3.69	3.44	3.28
Dallas . . . . .	121.60	120.06	113.16	40.0	41.4	41.3	3.04	2.90	2.74
El Paso . . . . .	86.85	83.13	82.19	39.3	39.4	39.9	2.21	2.11	2.06
Fort Worth . . . . .	135.79	134.50	129.36	40.9	41.9	42.0	3.32	3.21	3.08
Galveston-Texas City . . . . .	192.13	180.62	173.26	42.6	42.6	43.1	4.51	4.24	4.02
Houston . . . . .	154.93	146.46	141.26	42.0	42.7	43.2	3.68	3.43	3.27
Lubbock . . . . .	112.32	106.52	99.65	43.2	43.3	43.9	2.60	2.46	2.27
San Antonio . . . . .	104.67	101.09	94.85	41.7	41.6	41.6	2.51	2.43	2.28
Waco . . . . .	111.44	104.22	104.30	39.8	38.6	40.9	2.80	2.70	2.55
Wichita Falls . . . . .	98.15	97.82	93.73	39.9	41.1	40.4	2.46	2.38	2.32
UTAH . . . . .	133.21	129.49	126.63	38.5	39.6	40.2	3.46	3.27	3.15
Salt Lake City . . . . .	125.12	122.70	121.77	38.5	39.2	41.0	3.25	3.13	2.97
VERMONT . . . . .	120.13	114.54	108.00	41.0	41.5	41.7	2.93	2.76	2.59
Burlington . . . . .	137.48	127.74	117.02	42.3	43.3	42.4	3.25	2.95	2.76
Springfield . . . . .	128.95	127.39	117.33	39.8	40.7	40.6	3.24	3.13	2.89
VIRGINIA . . . . .	109.20	106.60	101.11	40.0	41.0	41.1	2.73	2.60	2.46
Lynchburg . . . . .	105.70	105.50	98.18	40.5	42.2	42.5	2.61	2.50	2.31
Norfolk-Portsmouth . . . . .	119.94	113.70	111.30	41.5	41.8	42.0	2.89	2.72	2.65
Richmond . . . . .	122.49	115.83	109.89	39.9	40.5	40.7	3.07	2.86	2.70
Roanoke . . . . .	102.66	101.33	96.98	40.1	41.7	41.8	2.56	2.43	2.32
WASHINGTON . . . . .	158.75	152.08	141.73	39.1	39.5	39.7	4.06	3.85	3.57
Seattle-Everett . . . . .	167.20	159.59	146.00	40.0	40.2	40.0	4.18	3.97	3.65
Spokane . . . . .	151.32	145.36	143.21	39.0	39.5	40.8	3.88	3.68	3.51
Tacoma . . . . .	153.18	145.90	134.43	38.2	38.6	38.3	4.01	3.78	3.51
WEST VIRGINIA . . . . .	136.12	128.64	122.41	39.8	40.2	40.4	3.42	3.20	3.03
Charleston . . . . .	167.51	160.02	145.60	42.3	42.9	41.6	3.96	3.73	3.50
Huntington-Ashland . . . . .	141.23	138.50	132.66	38.8	39.8	39.6	3.64	3.48	3.35
Wheeling . . . . .	140.24	130.00	122.40	40.3	40.0	40.0	3.48	3.25	3.06
WISCONSIN . . . . .	145.78	140.72	130.97	40.4	41.4	41.1	3.61	3.40	3.18
Green Bay . . . . .	150.65	142.73	131.84	42.5	42.8	42.7	3.55	3.34	3.09
Kenosha . . . . .	156.68	157.66	133.67	39.1	41.2	38.1	4.01	3.82	3.51
La Crosse . . . . .	121.12	115.33	110.24	40.3	40.2	39.8	3.01	2.87	2.77
Madison . . . . .	163.93	149.87	140.28	40.5	40.6	41.0	4.04	3.69	3.42
Milwaukee . . . . .	157.27	151.90	141.09	40.2	41.2	40.8	3.91	3.69	3.46
Racine . . . . .	149.21	146.25	132.17	39.9	41.2	40.0	3.74	3.55	3.31
WYOMING . . . . .	130.03	123.24	118.50	38.7	39.0	38.6	3.36	3.16	3.07
Casper . . . . .	157.18	152.62	144.43	40.2	40.7	40.8	3.91	3.75	3.54
Cheyenne . . . . .	107.86	108.68	-	32.1	35.4	-	3.36	3.07	-

<sup>1</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

<sup>2</sup> Area included in New York-Northeastern New Jersey Standard Consolidated Area.

<sup>3</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

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

SOURCE: Cooperating State agencies listed on inside back cover.

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

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**3: Labor turnover rates in manufacturing for selected States and areas**

(Per 100 employees)

Industry	Accession rates						Separation rates								
	Total			New hires			Total			Quits			Layoffs		
	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968
ALABAMA:															
Birmingham	3.1	3.8	3.2	2.3	2.8	2.0	3.3	3.3	3.4	1.5	1.7	1.3	1.0	0.8	1.5
Mobile <sup>1</sup>	5.0	7.0	7.5	3.4	3.7	2.7	5.4	6.4	7.1	2.4	2.5	1.9	2.1	3.0	4.5
ALASKA	22.6	19.8	19.6	16.1	14.5	15.5	20.6	20.0	21.2	5.8	6.2	7.1	13.5	12.5	12.9
ARIZONA	4.5	6.0	5.6	3.5	4.8	4.2	5.8	5.6	4.9	2.7	3.2	2.6	1.9	1.1	1.3
Phoenix	4.2	5.9	5.7	3.2	4.8	4.3	5.7	5.5	4.8	2.5	3.2	2.6	2.0	1.0	1.1
ARKANSAS	5.8	7.1	6.7	4.7	6.1	5.6	6.4	7.0	6.2	4.0	4.9	4.4	1.6	1.0	.9
Fort Smith	6.5	8.7	7.0	5.8	7.9	6.3	7.4	8.4	6.6	4.8	6.7	4.7	1.5	.8	1.0
Little Rock-North Little Rock	5.0	7.6	6.3	4.2	6.7	5.3	5.8	7.0	6.0	3.7	5.0	4.3	1.3	.7	.6
Pine Bluff	4.4	5.4	5.1	3.5	4.7	4.3	5.4	5.3	4.9	3.0	3.7	3.5	1.6	.6	.6
COLORADO	4.9	5.3	5.2	3.5	4.3	4.1	5.0	5.0	4.9	2.4	2.9	2.6	1.6	1.3	1.3
Denver	4.7	5.9	4.8	3.8	4.7	4.1	4.7	5.1	4.5	2.5	3.2	2.6	1.1	.9	1.0
CONNECTICUT	2.6	3.6	3.4	1.9	3.0	2.8	3.7	3.8	3.6	1.7	2.3	2.2	1.2	.5	.5
Hartford	2.0	3.0	2.9	1.5	2.4	2.4	2.9	3.3	3.3	1.5	2.0	2.0	.6	.3	.4
DELAWARE <sup>1</sup>	3.0	5.1	4.1	1.4	2.3	2.1	3.8	4.6	3.9	1.3	1.7	1.4	1.8	2.3	1.7
Wilmington <sup>1</sup>	3.0	5.0	3.9	1.4	2.1	1.8	3.6	4.7	3.7	1.2	1.4	1.2	1.7	2.4	1.7
DISTRICT OF COLUMBIA:															
Washington SMSA	2.4	2.8	3.0	2.3	2.7	2.9	2.7	2.9	3.0	2.0	2.2	2.4	.2	.2	.1
FLORIDA	6.5	7.2	6.3	5.1	5.8	5.0	7.1	7.2	6.2	3.8	4.4	3.6	2.3	1.6	1.7
Fort Lauderdale-Hollywood	6.4	8.7	8.6	5.7	8.2	7.9	8.0	9.0	7.6	4.4	6.3	5.8	2.1	1.0	.6
Jacksonville	6.4	6.8	6.5	5.2	6.3	6.2	6.9	6.9	6.0	4.3	5.3	4.6	1.4	.6	.4
Miami	5.4	6.3	6.0	4.5	5.6	5.3	6.2	6.3	5.9	3.2	4.0	3.3	2.1	1.3	1.6
Orlando	5.4	6.5	6.6	4.1	5.4	5.1	6.2	7.0	6.2	3.0	4.0	3.6	2.3	2.0	1.6
Pensacola	1.1	1.4	1.6	1.0	1.3	1.5	1.3	1.6	1.7	.9	1.2	1.2	.2	.2	.2
Tampa-St. Petersburg	7.7	7.8	6.8	6.0	7.4	4.1	8.1	7.6	6.8	4.6	3.1	4.0	2.3	1.8	1.9
West Palm Beach	6.0	5.7	5.2	4.6	4.5	4.2	6.4	6.2	5.2	3.2	3.3	2.9	1.6	1.4	.9
GEORGIA	5.0	5.8	5.4	4.0	4.8	4.4	5.5	5.8	5.2	3.6	4.0	4.3	.9	.7	.7
Atlanta <sup>2</sup>	4.6	5.8	4.9	3.7	5.0	4.0	5.6	5.7	4.6	3.3	4.1	2.9	1.2	.7	.8
HAWAII <sup>3</sup>	2.8	3.5	3.4	2.1	2.9	2.4	3.2	3.1	3.0	1.6	1.9	1.5	.7	.2	.4
IDAHO <sup>4</sup>	5.9	7.0	6.6	4.1	5.4	5.4	6.7	7.5	6.6	2.8	4.2	3.6	2.9	2.2	1.8
ILLINOIS:															
Chicago	3.7	4.8	4.7	3.0	4.2	4.0	4.6	4.9	4.8	2.3	3.1	3.0	1.1	.5	.6
INDIANA <sup>1</sup>	3.3	3.9	3.9	2.1	3.1	2.8	4.3	4.1	3.9	1.6	2.3	2.1	1.8	.8	.9
Indianapolis <sup>5</sup>	2.8	3.4	3.7	1.7	2.7	2.8	3.9	3.8	3.7	1.3	2.0	2.0	1.5	.6	.5
IOWA	3.6	4.2	4.5	2.4	3.3	3.5	4.4	4.5	4.4	1.9	2.6	2.7	1.8	1.1	1.0
Cedar Rapids	2.9	4.2	4.2	1.8	3.3	3.3	4.5	4.2	4.2	1.4	2.3	2.3	2.5	1.2	1.1
Des Moines	4.5	5.1	5.6	3.1	3.9	4.3	5.1	5.4	5.4	2.9	3.2	3.5	1.1	1.2	.9
KANSAS	3.4	4.7	4.5	2.5	3.7	3.6	5.0	5.0	4.5	2.0	2.8	2.6	2.2	1.1	1.0
Topeka	3.6	4.4	3.7	2.7	3.4	2.9	3.8	4.0	3.4	1.9	2.3	1.9	1.0	.6	.8
Wichita	2.1	3.4	3.4	1.4	2.7	2.8	5.5	4.3	4.2	1.2	2.2	2.3	3.6	1.3	1.0
KENTUCKY	3.8	4.5	4.4	2.7	3.5	3.3	4.2	4.5	4.4	2.1	2.6	2.4	1.3	.8	1.2
Louisville	3.2	3.8	3.7	2.2	2.9	3.0	3.3	3.8	3.4	1.6	2.1	1.9	.7	.6	.6
LOUISIANA:															
New Orleans <sup>6</sup>	4.7	4.0	4.3	3.5	2.8	3.1	5.1	4.6	4.4	1.8	2.0	1.8	1.9	1.5	1.5
MAINE	6.1	6.1	6.9	4.3	4.8	5.2	6.7	6.5	6.9	3.4	3.8	4.2	2.3	1.7	1.7
Portland	3.9	4.7	4.4	3.1	3.9	3.5	5.1	5.0	4.6	2.8	3.5	3.1	1.6	.7	.8
MARYLAND	3.5	3.8	4.0	2.5	2.8	2.8	4.3	3.9	4.2	1.8	2.0	1.9	1.6	1.1	1.5
Baltimore	3.5	3.8	3.9	2.4	2.8	2.7	4.3	3.9	4.2	1.8	2.0	1.9	1.6	1.1	1.5

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

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

Industry	(Per 100 employees)														
	Accession rates						Separation rates								
	Total			New hires			Total			Quits			Layoffs		
	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968
MASSACHUSETTS.....	3.8	4.7	4.4	2.6	3.6	3.2	4.9	4.8	4.5	2.2	2.8	2.6	1.8	1.1	1.1
Boston.....	3.6	4.1	4.0	2.5	3.3	3.1	4.7	4.4	4.3	2.1	2.7	2.5	1.7	.9	1.0
MICHIGAN.....	4.2	4.6	4.6	1.5	2.9	2.8	5.8	5.3	4.7	1.1	1.9	1.8	3.7	2.3	1.8
Detroit.....	4.0	4.7	4.6	1.5	3.0	3.0	5.3	5.3	4.6	1.2	2.0	1.9	2.9	1.9	1.6
MINNESOTA.....	4.4	5.2	5.2	3.2	4.1	3.9	5.1	5.2	5.0	2.5	3.1	2.8	1.8	1.2	1.4
Minneapolis-St. Paul.....	4.5	5.0	4.8	2.7	4.0	3.5	4.9	5.0	4.4	2.2	3.1	2.5	1.8	.9	1.0
MISSISSIPPI:															
Jackson.....	4.9	5.5	5.6	4.0	4.9	4.8	5.5	5.8	5.4	3.1	4.1	3.8	1.5	.7	.8
MISSOURI.....	3.5	4.4	4.2	2.5	3.5	3.3	4.3	4.7	4.2	1.9	2.6	2.4	1.5	1.2	.9
Kansas City.....	3.5	4.6	4.2	2.5	3.6	3.3	4.4	4.7	4.0	2.1	2.7	2.3	1.6	1.0	.9
St. Louis.....	2.8	3.7	3.4	1.8	2.9	2.7	3.6	4.0	3.5	1.3	2.0	1.9	1.4	.9	.7
MONTANA <sup>7</sup> .....	4.5	4.2	4.7	3.7	3.7	4.2	4.6	4.6	4.7	2.5	2.8	2.9	1.2	.9	.9
NEBRASKA.....	4.6	6.0	5.1	4.0	5.2	4.2	5.1	5.8	4.8	3.3	4.0	3.3	1.0	.7	.6
NEVADA.....	6.0	6.4	5.5	5.0	5.9	4.6	6.4	6.9	5.3	3.3	3.8	2.8	1.4	1.6	1.4
NEW HAMPSHIRE.....	4.5	5.3	5.1	3.7	4.6	4.3	5.4	5.5	5.2	3.3	4.1	3.9	1.4	.6	.5
NEW JERSEY:															
Camden <sup>9</sup> .....	3.9	(*)	(*)	2.9	(*)	(*)	4.3	(*)	(*)	1.9	(*)	(*)	1.4	(*)	(*)
Jersey City.....	3.4	3.8	3.9	2.3	2.6	2.6	4.1	4.0	3.9	1.5	1.8	1.6	1.7	1.3	1.4
Newark.....	3.8	4.4	4.0	2.5	3.4	2.9	4.4	4.6	4.0	1.7	2.4	1.9	1.7	1.2	1.3
Paterson-Clifton-Passaic.....	4.0	4.6	4.8	3.0	3.6	3.4	4.8	5.0	4.8	2.1	2.7	2.3	1.7	1.3	1.5
Perth Amboy.....	3.7	3.9	4.5	2.6	2.9	2.7	4.1	3.8	4.5	1.8	2.0	1.8	1.4	.9	1.7
Trenton.....	3.4	4.1	3.9	2.3	3.2	2.5	3.6	4.0	4.0	1.8	2.1	1.8	1.1	.9	1.5
NEW YORK.....	4.0	4.6	4.4	2.5	3.3	3.1	5.0	4.8	4.6	1.8	2.2	2.0	2.3	1.7	1.7
Albany-Schenectady-Troy.....	2.9	3.3	3.0	2.0	2.5	2.2	3.3	3.3	3.0	1.5	1.9	1.5	.8	.5	.4
Binghamton.....	1.9	2.6	2.4	1.3	1.9	1.6	2.8	2.7	2.3	1.2	1.6	1.4	.9	.4	.2
Buffalo.....	3.1	3.7	3.3	1.6	2.5	2.1	4.0	3.8	3.5	1.2	1.7	1.5	2.1	1.3	1.4
Elmira.....	3.7	3.3	4.0	2.6	2.7	3.2	4.3	3.9	4.1	1.6	2.1	2.5	1.6	1.0	.8
Monroe County <sup>9</sup> .....	2.4	2.9	2.9	1.8	2.4	2.4	3.5	2.9	2.8	1.4	1.8	1.6	1.4	.4	.5
Nassau and Suffolk Counties <sup>10</sup> .....	3.6	4.7	4.2	2.7	3.8	3.6	5.2	4.8	4.4	2.1	2.8	2.5	2.1	1.1	1.1
New York SMSA <sup>10</sup> .....	4.9	5.5	5.0	3.0	3.8	3.5	6.0	5.7	5.1	2.0	2.5	2.2	3.0	2.3	2.1
New York City <sup>10</sup> .....	5.2	5.8	5.4	3.1	3.9	3.7	6.2	6.1	5.7	1.9	2.4	2.1	3.3	2.7	2.6
Rochester.....	2.8	3.4	3.5	2.1	2.9	2.8	3.9	3.4	3.3	1.5	1.9	1.8	1.6	.7	.9
Syracuse.....	2.4	3.7	3.4	1.4	2.8	2.4	3.3	3.7	3.4	1.4	2.1	1.9	1.3	.7	.8
Utica-Rome.....	2.8	3.5	4.1	1.7	2.5	2.9	3.7	3.5	3.8	1.3	1.9	2.1	1.7	1.0	1.0
Westchester County <sup>10</sup> .....	4.3	4.7	4.9	2.6	3.4	3.1	5.0	4.7	4.7	1.9	2.2	1.8	2.2	1.6	2.1
NORTH CAROLINA.....	4.5	4.9	4.9	3.7	4.2	4.1	4.7	4.9	4.6	3.3	3.7	3.5	.5	.4	.4
Charlotte.....	5.0	5.6	5.3	4.5	5.2	4.8	5.2	5.7	5.0	3.5	4.5	4.0	.6	.4	.1
Greensboro-Winston-Salem-High Point.....	4.1	4.5	4.3	3.5	3.9	3.6	4.1	4.4	3.9	3.0	3.3	2.9	.3	.3	.2
NORTH DAKOTA.....	5.4	5.2	5.2	4.3	4.0	4.1	5.6	5.4	5.2	2.7	2.8	2.7	2.0	1.4	1.9
Fargo-Moorhead.....	6.5	6.4	6.0	4.2	4.8	4.4	6.7	6.4	5.7	2.6	3.5	2.7	3.0	1.9	2.2
OHIO.....	3.5	4.2	3.9	1.9	3.0	2.8	4.3	4.2	3.8	1.4	2.1	1.8	2.0	1.1	1.1
Akron.....	2.1	2.9	2.7	1.2	2.2	2.0	2.7	2.8	2.5	1.1	1.5	1.2	1.0	.6	.6
Canton.....	3.8	4.1	4.1	1.9	3.1	2.7	4.5	4.2	4.1	1.3	2.1	1.7	2.0	.7	1.2
Cincinnati.....	3.9	4.5	4.1	2.3	3.3	2.9	4.3	4.6	3.9	1.6	2.2	1.9	1.8	1.3	1.1
Cleveland.....	3.0	3.9	3.7	2.0	3.1	2.8	4.2	3.9	3.7	1.6	2.2	2.0	1.7	.8	.8
Columbus.....	3.5	4.3	3.9	2.4	3.5	3.1	3.9	4.3	3.7	1.8	2.4	2.0	1.4	1.0	.8
Dayton.....	3.6	3.7	3.0	1.4	2.6	2.2	4.7	3.6	2.9	1.1	1.7	1.4	2.5	1.0	.6
Toledo.....	3.9	4.6	4.4	2.1	3.5	3.1	4.8	4.7	4.2	1.4	2.1	1.9	2.2	.9	1.0
Youngstown-Warren.....	4.4	4.9	5.0	1.5	2.2	2.1	5.6	4.6	4.9	.9	1.4	1.2	3.7	2.2	2.8
OKLAHOMA.....	5.2	(*)	(*)	4.4	(*)	(*)	5.5	(*)	(*)	3.3	(*)	(*)	1.3	(*)	(*)
Oklahoma City.....	6.5	7.2	6.0	5.4	5.6	5.2	6.2	6.8	5.5	4.0	4.8	3.9	1.3	.8	.8
Tulsa <sup>11</sup> .....	5.3	5.9	6.1	4.7	5.6	5.5	6.7	5.8	5.3	3.4	3.9	3.6	1.6	.7	.6
OREGON <sup>1</sup> .....	4.3	5.8	5.9	3.2	4.9	5.2	5.2	6.0	5.6	2.0	3.2	3.3	2.4	1.8	1.4
Portland <sup>1</sup> .....	3.9	5.7	5.9	2.8	5.0	5.1	4.9	5.5	5.4	1.8	3.0	3.1	2.3	1.6	1.4

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

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

(Per 100 employees)

Industry	Accession rates						Separation rates								
	Total			New hires			Total			Quits			Layoffs		
	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968	1970	1969	1968
PENNSYLVANIA:															
Allentown-Bethlehem-Easton	3.1	3.6	3.4	2.1	2.6	2.3	3.6	3.6	3.4	1.6	2.0	1.8	1.3	0.7	1.0
Altoona	4.7	5.4	4.7	3.4	4.2	3.5	5.1	5.1	4.7	2.6	3.1	3.0	2.0	1.4	1.2
Erie	4.6	4.6	4.0	3.2	3.3	2.8	5.3	4.5	3.9	2.4	2.4	1.9	1.8	1.0	1.1
Harrisburg	2.9	3.3	2.7	2.2	2.3	2.0	3.3	3.0	3.2	1.6	1.8	1.7	1.1	.6	1.0
Johnstown	2.9	3.6	4.2	1.1	1.9	1.7	4.2	3.2	4.3	1.1	1.4	1.3	2.6	1.2	2.5
Lancaster	4.2	4.1	3.4	3.2	3.4	2.6	4.6	4.0	3.5	2.7	2.7	2.2	1.1	.6	.6
Philadelphia	3.4	3.8	3.6	2.4	3.0	2.7	4.2	3.9	3.6	1.5	2.0	1.8	1.7	1.0	.9
Pittsburgh	2.5	2.6	2.5	1.1	1.6	1.4	3.2	2.4	2.7	.8	1.0	.8	1.7	.7	1.1
Reading	3.6	4.1	4.3	2.7	3.4	3.3	4.3	4.0	4.0	2.2	2.8	2.5	1.5	.6	1.0
Scranton	3.7	4.3	4.2	2.0	2.9	2.6	4.8	4.2	4.2	1.6	1.9	1.8	2.7	1.7	1.8
Wilkes-Barre-Hazleton	3.6	4.2	4.3	2.3	2.8	2.7	4.4	4.4	4.2	1.9	2.2	2.2	1.8	1.6	1.5
York	4.8	5.3	5.1	3.6	4.2	3.9	5.4	5.2	5.0	3.0	3.3	3.3	1.7	1.1	1.2
RHODE ISLAND:															
Providence-Pawtucket-Warwick	4.9	5.8	5.7	3.4	4.5	4.3	5.8	6.0	5.6	2.8	3.7	3.3	2.2	1.4	1.3
SOUTH CAROLINA:															
Greenville	5.1	5.5	5.9	4.3	4.8	5.2	5.4	5.6	5.5	3.9	4.3	4.3	.5	.3	.2
SOUTH DAKOTA:															
Sioux Falls	4.4	5.2	5.3	2.5	3.5	3.4	4.6	5.2	5.4	2.1	2.7	2.7	2.0	1.7	2.2
Sioux Falls	5.6	5.7	6.1	2.0	2.6	2.8	5.5	6.1	5.8	1.7	2.3	2.4	3.4	3.1	3.2
TENNESSEE:															
Memphis	4.8	5.9	5.7	3.8	5.0	4.7	5.2	6.0	5.4	2.5	3.4	3.0	1.5	1.2	1.2
TEXAS:															
Dallas	3.5	(*)	(*)	3.1	(*)	(*)	5.2	(*)	(*)	3.0	(*)	(*)	1.3	(*)	(*)
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	3.8	(*)	(*)	3.3	(*)	(*)	4.0	(*)	(*)	2.5	(*)	(*)	.4	(*)	(*)
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH <sup>1</sup> :															
Salt Lake City <sup>4</sup>	4.4	4.5	4.4	3.1	3.4	3.3	4.5	4.7	4.5	2.2	2.4	2.3	1.6	1.6	1.4
Salt Lake City <sup>4</sup>	4.4	4.1	4.3	3.6	3.5	3.6	4.2	4.3	4.2	2.5	2.5	2.3	1.0	.9	1.1
VERMONT:															
Burlington	2.8	3.5	3.3	2.0	2.8	2.5	3.8	3.5	3.1	1.8	2.4	2.0	1.3	.4	.5
Burlington	2.2	2.7	3.1	1.7	2.1	2.5	2.6	2.5	2.6	1.6	1.8	1.8	.6	.3	.3
Springfield	2.5	2.3	1.4	1.3	1.8	1.1	4.3	2.2	2.1	1.1	1.5	1.3	2.5	.2	.4
VIRGINIA:															
Richmond	4.0	4.5	4.7	3.0	3.7	3.7	4.2	4.6	4.3	2.5	3.0	2.8	1.0	.7	.8
Richmond	3.5	3.9	4.1	2.9	3.4	3.4	3.9	4.0	3.9	2.2	2.5	2.3	1.0	.7	.6
WASHINGTON:															
Seattle-Everett <sup>12</sup>	2.1	3.2	3.8	1.3	2.5	3.1	5.0	4.0	4.1	1.3	2.3	2.7	3.2	1.0	.6
WEST VIRGINIA:															
Charleston	1.1	1.1	1.6	.8	.8	.7	1.3	2.5	2.5	.5	.8	.7	.4	1.2	1.3
WISCONSIN:															
Milwaukee	3.7	4.6	4.3	2.5	3.7	3.2	4.4	4.6	4.1	1.8	2.6	2.2	1.7	1.0	1.0
Milwaukee	3.5	4.5	4.0	2.3	3.5	2.9	4.3	4.4	3.9	1.8	2.5	2.1	1.5	.7	.7
WYOMING <sup>7</sup> :															
	6.2	7.3	6.0	4.7	5.8	5.3	6.7	6.6	6.2	3.5	3.8	3.8	2.4	1.9	1.6

<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> Data prior to 1969 exclude printing and publishing.  
<sup>7</sup> Data prior to 1969 exclude canning and preserving, and sugar.  
<sup>8</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.  
<sup>9</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>11</sup> Excludes new-hire rate for transportation equipment.  
<sup>12</sup> Excludes canning and preserving, printing and publishing.

\* Not available.  
 SOURCE: Cooperating State agencies listed on inside back cover.





## Area Definitions

<b>ALABAMA</b>		<b>FLORIDA</b>	
Birmingham.....	Jefferson, Shelby, and Walker Counties	Fort Lauderdale-	
Huntsville.....	Limestone and Madison Counties	Hollywood.....	Broward County
Mobile.....	Baldwin and Mobile Counties	Jacksonville.....	Duval County
Montgomery.....	Elmore and Montgomery Counties	Miami.....	Dade County
Tuscaloosa.....	Tuscaloosa County	Orlando.....	Orange and Seminole Counties
		Pensacola.....	Escambia and Santa Rosa Counties
		Tampa-	
		St. Petersburg.....	Hillsborough and Pinellas Counties
		West Palm Beach.....	Palm Beach County
<b>ARIZONA</b>		<b>GEORGIA</b>	
Phoenix.....	Maricopa County	Atlanta.....	Clayton, Cobb, DeKalb, Fulton, and Gwinnett Counties
Tucson.....	Pima County	Augusta.....	Richmond County, Ga.; Aiken County, S. C.
<b>ARKANSAS</b>		Columbus.....	Chattahoochee and Muscogee Counties, Ga.;
Fayetteville.....	Washington County		Russell County, Ala.
Fort Smith.....	Crawford and Sebastian Counties, Ark. ; LeFlore and Sequoyah Counties, Okla.	Macon.....	Bibb and Houston Counties
Little Rock-		Savannah.....	Chatham County
N. Little Rock.....	Pulaski and Saline Counties		
Pine Bluff.....	Jefferson County		
<b>CALIFORNIA</b>		<b>HAWAII</b>	
Anaheim-Santa Ana-		Honolulu.....	Honolulu County
Garden Grove.....	Orange County		
Bakersfield.....	Kern County	<b>IDAHO</b>	
Fresno.....	Fresno County	Boise.....	Ada County
Los Angeles-			
Long Beach.....	Los Angeles County	<b>ILLINOIS</b>	
Modesto-Turlock.....	Stanislaus County	Chicago.....	Cook, Du Page, Kane, Lake, McHenry, and Will Counties
Oxnard-Ventura.....	Ventura County	Chicago-	
Sacramento.....	Placer, Sacramento, and Yolo Counties	Northwestern Indiana..	A Standard Consolidated Area comprised of Chicago, Ill. SMSA and Gary-Hammond-East Chicago, Ind. SMSA
Salinas-Monterey.....	Monterey County	Davenport-Rock Island-	
San Bernardino-		Moline.....	Henry and Rock Island Counties, Ill. ; Scott County, Iowa
Riverside-Ontario.....	San Bernardino and Riverside Counties	Peoria.....	Peoria, Tazewell, and Woodford Counties
San Diego.....	San Diego County	Rockford.....	Boone and Winnebago Counties
San Francisco-			
Oakland.....	Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties		
San Jose.....	Santa Clara County	<b>INDIANA</b>	
Santa Barbara.....	Santa Barbara County	Evansville.....	Vanderburgh and Warrick Counties, Ind. ; Henderson County, Ky.
Santa Rosa.....	Sonoma County	Fort Wayne.....	Allen County
Stockton.....	San Joaquin County	Gary-Hammond-	
Vallejo-Napa.....	Napa and Solano Counties	East Chicago.....	Lake and Porter Counties
		Indianapolis.....	Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelby Counties
<b>COLORADO</b>		Muncie.....	Delaware County
Denver.....	Adams, Arapahoe, Boulder, Denver, and Jefferson Counties	South Bend.....	Marshall and St. Joseph Counties
<b>CONNECTICUT</b>		Terre Haute.....	Clay, Sullivan, Vermillion, and Vigo Counties
Bridgeport.....	Bridgeport and Shelton cities, and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County; Milford town in New Haven County		
Hartford.....	Hartford city, and Avon, Bloomfield, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Glastonbury, Granby, Manchester, Newington, Rocky Hill, Simsbury, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County; Bolton, Ellington, Somers, Stafford, Tolland, and Vernon towns in Tolland County	<b>IOWA</b>	
New Britain.....	New Britain city, and Berlin and Plainville towns in Hartford County	Cedar Rapids.....	Linn County
New Haven.....	New Haven city, and Bethany, Branford, East Haven, Guilford, Hamden, Madison, North Branford, North Haven, Orange, West Haven, and Woodbridge towns in New Haven County	Des Moines.....	Polk County
Stamford.....	Stamford city, and Darien, Greenwich, and New Canaan towns in Fairfield County	Dubuque.....	Dubuque County
Waterbury.....	Waterbury city, Naugatuck borough, and Beacon Falls, Cheshire, Middlebury, Prospect, Southbury, and Wolcott towns in New Haven County; Bethlehem, Thomaston, Watertown, and Woodbury towns in Litchfield County	Sioux City.....	Woodbury County, Iowa; Dakota County, Neb.
		Waterloo.....	Black Hawk County
<b>DELAWARE</b>		<b>KANSAS</b>	
Wilmington.....	New Castle County, Del. ; Cecil County, Md. ; Salem County, N. J.	Topeka.....	Shawnee County
		Wichita.....	Butler and Sedgwick Counties
<b>DISTRICT OF COLUMBIA</b>		<b>KENTUCKY</b>	
Washington SMSA.....	District of Columbia; Alexandria, Fairfax, and Falls Church cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Va. ; Montgomery and Prince Georges Counties, Md.	Lexington.....	Fayette County
		Louisville.....	Jefferson County, Ky. ; Clark and Floyd Counties, Ind.
		<b>LOUISIANA</b>	
		Baton Rouge.....	East Baton Rouge Parish
		Lake Charles.....	Calcasieu Parish
		Monroe.....	Ouachita Parish
		New Orleans.....	Jefferson, Orleans, St. Bernard, and St. Tammany Parishes
		Shreveport.....	Bossier and Caddo Parishes
		<b>MAINE</b>	
		Lewiston-Auburn.....	Auburn and Lewiston cities, and Lisbon town in Androscoggin County
		Portland.....	Portland, South Portland, and Westbrook cities, and Cape Elizabeth, Cumberland, Falmouth, Gorham, Scarborough, and Yarmouth towns in Cumberland County

MARYLAND

Baltimore.....Baltimore city, and Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties

MASSACHUSETTS

Boston.....Suffolk County; Cambridge, Everett, Malden, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities, and Arlington, Ashland, Bedford, Belmont, Burlington, Concord, Framingham, Lexington, Lincoln, Natick, North Reading, Reading, Sherborn, Stoneham, Sudbury, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County; Beverly, Lynn, Peabody, and Salem cities, and Danvers, Hamilton, Lynnfield, Manchester, Marblehead, Middleton, Nahant, Saugus, Swampscott, Topsfield, and Wenham towns in Essex County; Quincy city, and Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Holbrook, Medfield, Millis, Milton, Needham, Norfolk, Norwood, Randolph, Sharon, Walpole, Wellesley, Westwood, and Weymouth towns in Norfolk County; Duxbury, Hanover, Hingham, Hull, Marshfield, Norwell, Pembroke, Rockland, and Scituate towns in Plymouth County
Brockton.....Easton town in Bristol County; Avon and Stoughton towns in Norfolk County; Brockton city, and Abington, Bridgewater, East Bridgewater, Hanson, West Bridgewater, and Whitman towns in Plymouth County
Fall River.....Fall River city, and Somerset, Swansea, and Westport towns in Bristol County, Mass.; Tiverton town in Newport County, R. I.
Lawrence-Haverhill...Lawrence and Haverhill cities, and Andover, Georgetown, Groveland, Merrimac, Methuen, North Andover, and West Newbury towns in Essex County, Mass. Newton, Plaistow, and Salem towns in Rockingham County, N. H.
Lowell.....Lowell city, and Billerica, Chelmsford, Dracut, Tewksbury, Tyngsborough, and Westford towns in Middlesex County
New Bedford.....New Bedford city, and Acushnet, Dartmouth, and Fairhaven towns in Bristol County; Marion and Mattapoisett towns in Plymouth County
Springfield-Chicopee-Holyoke.....Chicopee, Holyoke, Springfield, and Westfield cities, and Agawam, East Longmeadow, Hampden, Longmeadow, Ludlow, Monson, Palmer, Southwick, West Springfield, and Wilbraham towns in Hampden County; Northampton city, and Easthampton, Granby, Hadley, and South Hadley towns in Hampshire County; Warren town in Worcester County
Worcester.....Worcester city, and Auburn, Berlin, Boylston, Brookfield, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Shrewsbury, Spencer, Sterling, Sutton, Upton, Westborough, and West Boylston towns in Worcester County

MICHIGAN

Ann Arbor.....Washtenaw County
Battle Creek.....Calhoun County
Bay City.....Bay County
Detroit.....Macomb, Oakland, and Wayne Counties
Flint.....Genesee and Lapeer Counties
Grand Rapids.....Kent and Ottawa Counties
Jackson.....Jackson County
Kalamazoo.....Kalamazoo County
Lansing.....Clinton, Eaton, and Ingham Counties
Muskegon-Muskegon Heights.....Muskegon County
Saginaw.....Saginaw County

MINNESOTA

Duluth-Superior.....Duluth city, Minn.; Douglas County, Wisc.
Minneapolis-St. Paul...Anoka, Dakota, Hennepin, Ramsey, and Washington Counties

MISSISSIPPI

Jackson.....Hinds and Rankin Counties

MISSOURI

Kansas City.....Johnson and Wyandotte Counties, Kans.; Cass, Clay, Jackson, and Platte Counties, Mo.
St. Joseph.....Buchanan County
St. Louis.....St. Louis city, and Franklin, Jefferson, St. Charles, and St. Louis Counties, Mo.; Madison and St. Clair Counties, Ill.
Springfield.....Greene County

MONTANA

Billings.....Yellowstone County
Great Falls.....Cascade County

NEBRASKA

Lincoln.....Lancaster County
Omaha.....Douglas and Sarpy Counties, Nebr.; Pottawattamie County, Iowa

NEVADA

Las Vegas.....Clark County; Beatty Township in Nye County
Reno.....Washoe County

NEW HAMPSHIRE

Manchester.....Manchester city, and Bedford and Goffstown towns in Hillsborough County; Hooksett town in Merrimack County

NEW JERSEY

Atlantic City.....Atlantic County
Camden.....Burlington, Camden, and Gloucester Counties
Jersey City.....Hudson County
Long Branch.....Monmouth County
Newark.....Essex, Morris, and Union Counties
Paterson-Clifton-Passaic.....Bergen and Passaic Counties
Perth Amboy.....Middlesex and Somerset Counties
Trenton.....Mercer County

NEW MEXICO

Albuquerque.....Bernalillo County

NEW YORK

Albany-Schenectady-Troy.....Albany, Rensselaer, Saratoga, and Schenectady Counties
Binghamton.....Broome and Tioga Counties, N. Y.; Susquehanna County, Pa.
Buffalo.....Erie and Niagara Counties
Elmira.....Chemung County
Monroe County.....Monroe County
Nassau and Suffolk Counties.....Nassau and Suffolk Counties
New York-Northeastern New Jersey.....A Standard Consolidated Area comprised of New York, N. Y. SMSA; Newark, N. J. SMSA; Jersey City, N. J. SMSA; Paterson-Clifton-Passaic, N. J. SMSA; and the Perth Amboy, N. J. area
New York SMSA.....New York City, and Nassau, Rockland, Suffolk, and Westchester Counties
New York City.....Bronx, Kings, New York, Queens, and Richmond Counties
Rochester.....Livingston, Monroe, Orleans, and Wayne Counties
Rockland County.....Rockland County
Syracuse.....Madison, Onondaga, and Oswego Counties
Utica-Rome.....Herkimer and Oneida Counties
Westchester County.....Westchester County

NORTH CAROLINA

Asheville.....Buncombe County
Charlotte.....Mecklenburg and Union Counties
Greensboro-Winston-Salem-High Point.....Forsyth, Guilford, Randolph, and Yadkin Counties
Raleigh.....Wake County

NORTH DAKOTA

Fargo-Moorhead.....Cass County, N. D.; Clay County, Minn.

OHIO

Akron.....Portage and Summit Counties
Canton.....Stark County
Cincinnati.....Clermont, Hamilton, and Warren Counties, Ohio; Boone, Campbell, and Kenton Counties, Ky.; Dearborn County, Ind.

OHIO--Continued  
 Cleveland.....Cuyahoga, Geauga, Lake, and Medina Counties  
 Columbus.....Delaware, Franklin, and Pickaway Counties  
 Dayton.....Greene, Miami, Montgomery, and Preble Counties  
 Toledo.....Lucas and Wood Counties, Ohio; Monroe County, Mich.  
 Youngstown-Warren...Mahoning and Trumbull Counties

OKLAHOMA  
 Oklahoma City.....Canadian, Cleveland, and Oklahoma Counties  
 Tulsa.....Creek, Osage, and Tulsa Counties

OREGON  
 Eugene.....Lane County  
 Portland.....Clackamas, Multnomah, and Washington Counties, Oreg.; Clark County, Wash.  
 Salem.....Marion and Polk Counties

PENNSYLVANIA  
 Allentown-Bethlehem-Easton.....Lehigh and Northampton Counties, Pa.; Warren County, N.J.  
 Altoona.....Blair County  
 Delaware Valley.....Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties  
 Erie.....Erie County  
 Harrisburg.....Cumberland, Dauphin, and Perry Counties  
 Johnstown.....Cambria and Somerset Counties  
 Lancaster.....Lancaster County  
 Philadelphia.....Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa.; Burlington, Camden, and Gloucester Counties, N.J.  
 Pittsburgh.....Allegheny, Beaver, Washington, and Westmoreland Counties  
 Reading.....Berks County  
 Scranton.....Lackawanna County  
 Wilkes-Barre--Hazleton.....Luzerne County  
 York.....Adams and York Counties

RHODE ISLAND  
 Providence-Pawtucket-Warwick.....Central Falls, Cranston, East Providence, Pawtucket, Providence, and Woonsocket cities, and Burrillville, Cumberland, Foster, Glocester, Johnston, Lincoln, North Providence, North Smithfield, Scituate, and Smithfield towns in Providence County; Exeter, Narragansett, North Kingstown, and South Kingstown towns in Washington County; Warwick city, and Coventry, East Greenwich, West Greenwich, and West Warwick towns in Kent County; Jamestown and New Shoreham towns in Newport County; Bristol County, R.I.; Attleboro city, and North Attleboro, Rehoboth, and Seekonk towns in Bristol County; Bellingham, Franklin, Plainville, and Wrentham towns in Norfolk County; Blackstone and Millville towns in Worcester County, Mass.

SOUTH CAROLINA  
 Charleston.....Berkeley and Charleston Counties  
 Columbia.....Lexington and Richland Counties  
 Greenville.....Greenville and Pickens Counties

SOUTH DAKOTA  
 Sioux Falls.....Minnehaha County

TENNESSEE  
 Chattanooga.....Hamilton County, Tenn.; Walker County, Ga.  
 Knoxville.....Anderson, Blount, and Knox Counties; portion of Oak Ridge in Roane County  
 Memphis.....Shelby County, Tenn.; and Crittenden County, Ark.  
 Nashville.....Davidson, Sumner, and Wilson Counties

TEXAS  
 Amarillo.....Potter and Randall Counties  
 Austin.....Travis County  
 Beaumont-Port Arthur-Orange.....Jefferson and Orange Counties  
 Corpus Christi.....Nueces and San Patricio Counties  
 Dallas.....Collin, Dallas, Denton, Ellis, Kaufman, and Rockwall Counties  
 El Paso.....El Paso County  
 Fort Worth.....Johnson and Tarrant Counties  
 Galveston-Texas City.....Galveston County  
 Houston.....Brazoria, Fort Bend, Harris, Liberty, and Montgomery Counties  
 Lubbock.....Lubbock County  
 San Antonio.....Bexar and Guadalupe Counties  
 Waco.....McLennan County  
 Wichita Falls.....Archer and Wichita Counties

UTAH  
 Salt Lake City.....Bountiful, Centerville, Farmington, North Salt Lake, South Bountiful, and West Bountiful precincts in Davis County; Salt Lake County

VERMONT  
 Burlington.....Chittenden County; Grand Isle and South Hero towns in Grand Isle County  
 Springfield.....Athens, Grafton, Londonderry, Rockingham (includes Bellows Falls), Westminster, and Windham towns in Windham County; Andover, Baltimore, Cavendish, Chester, Ludlow, Reading, Springfield, Weathersfield, Weston, West Windsor, and Windsor towns in Windsor County

VIRGINIA  
 Lynchburg.....Lynchburg city, and Amherst and Campbell Counties  
 Newport News-Hampton.....Newport News and Hampton cities, and York County  
 Norfolk-Portsmouth.....Chesapeake, Norfolk, Portsmouth, and Virginia Beach cities  
 Northern Virginia.....Alexandria, Fairfax, and Falls Church cities, and Arlington, Fairfax, Loudoun, and Prince William Counties  
 Richmond.....Richmond city, and Chesterfield, Hanover, and Henrico Counties  
 Roanoke.....Roanoke city and Roanoke County

WASHINGTON  
 Seattle-Everett.....King and Snohomish Counties  
 Spokane.....Spokane County  
 Tacoma.....Pierce County

WEST VIRGINIA  
 Charleston.....Kanawha County  
 Huntington-Ashland.....Cabell and Wayne Counties, W. Va.; Boyd County, Ky.; Lawrence County, Ohio  
 Wheeling.....Marshall and Ohio Counties, W. Va.; Belmont County, Ohio

WISCONSIN  
 Green Bay.....Brown County  
 Kenosha.....Kenosha County  
 La Crosse.....La Crosse County  
 Madison.....Dane County  
 Milwaukee.....Milwaukee, Ozaukee, Washington, and Waukesha Counties  
 Racine.....Racine County

WYOMING  
 Casper.....Natrona County  
 Cheyenne.....Laramie County

# **HOUSEHOLD DATA -- QUARTERLY AVERAGES**

**HOUSEHOLD DATA**  
**QUARTERLY AVERAGES**

The two tables that follows were omitted from the April 1971 issue due to technical problems. They present additional detail on persons not in the labor force.

**Table 9. Industry and occupation of last job for persons not in labor force who worked during previous 12 months by reasons leaving job**  
1st Quarter 1971

Industry and class of worker and major occupation	Total (thousands of persons)	Reason left job (percent distribution)					
		Total	School, home respon- sibilities	Ill health, disability	Retirement, old age	Economic reasons	All other
Total who left jobs in previous 12 months . . . . .	11,091	100.0	47.5	8.5	7.1	21.1	15.8
<b>Industry</b>							
Agriculture <sup>1</sup> . . . . .	770	100.0	21.8	5.3	4.2	41.5	27.1
Unpaid family workers . . . . .	187	100.0	3.7	2.1	--	4.8	89.3
Wage and salary workers . . . . .	504	100.0	30.7	4.0	2.6	55.2	7.5
Nonagricultural industries . . . . .	10,307	100.0	50.1	8.6	7.4	19.2	14.7
Self-employed workers . . . . .	393	100.0	27.0	13.0	18.4	26.5	15.1
Unpaid family workers . . . . .	184	100.0	15.1	4.3	--	13.0	67.6
Wage and salary workers . . . . .	9,730	100.0	51.7	8.5	7.1	19.1	13.7
Private household workers . . . . .	402	100.0	39.0	15.4	2.7	26.6	16.4
Government workers . . . . .	1,536	100.0	52.0	5.9	10.7	20.5	10.9
All other <sup>2</sup> . . . . .	7,791	100.0	52.3	8.6	6.6	18.4	14.1
Construction . . . . .	438	100.0	41.8	14.2	10.0	22.8	11.2
Manufacturing . . . . .	1,878	100.0	45.8	11.9	10.5	18.4	13.4
Transportation and public utilities . . . . .	353	100.0	47.0	7.1	15.3	13.9	16.7
Trade . . . . .	2,899	100.0	54.3	6.5	3.9	20.7	14.7
Finance and services . . . . .	2,186	100.0	58.3	7.7	4.6	15.5	14.0
<b>Occupation</b>							
White-collar workers . . . . .	4,558	100.0	51.9	5.7	8.4	19.2	14.7
Professional and technical . . . . .	884	100.0	49.4	5.1	14.6	17.6	13.2
Managers, officials, and proprietors . . . . .	356	100.0	21.9	12.3	32.6	16.6	16.6
Clerical and sales . . . . .	3,318	100.0	55.8	5.1	4.2	19.9	14.9
Blue-collar workers . . . . .	3,325	100.0	44.1	11.4	8.9	21.7	14.0
Craftsmen and foremen . . . . .	577	100.0	28.2	16.6	20.5	24.3	10.4
Operatives . . . . .	1,685	100.0	44.5	10.9	8.0	21.5	15.0
Nonfarm laborers . . . . .	1,063	100.0	51.9	9.2	3.9	20.6	14.4
Service workers . . . . .	2,502	100.0	54.4	10.0	3.6	16.6	15.4
Farm workers . . . . .	692	100.0	19.7	5.6	3.8	41.9	29.0

<sup>1</sup>Includes small number of self-employed workers, not shown separately.

<sup>2</sup>Includes forestries, fisheries, and mining, not shown separately.

## HOUSEHOLD DATA QUARTERLY AVERAGES

**Table 10. Work-seeking intentions of persons not in labor force and major characteristics of those who intend to seek work within next 12 months by sex and color**

Work-seeking intentions, most recent work experience, and major occupation	Total		Male		Female	
	1st 1971	1st 1970	1st 1971	1st 1970	1st 1971	1st 1970
<b>Total</b>						
Total not in labor force (in thousands) . . . . .	56,058	54,705	14,233	13,528	41,825	41,178
Do not intend to seek work . . . . .	45,953	45,302	10,160	9,825	35,793	35,478
Intend to seek work in next 12 months . . . . .	10,105	9,403	4,073	3,703	6,032	5,700
Never worked . . . . .	2,050	1,818	823	651	1,227	1,167
Last worked over 5 years ago . . . . .	986	850	119	91	867	759
Last worked 1 to 5 years ago . . . . .	1,671	1,393	510	386	1,160	1,008
Worked during previous 12 months . . . . .	5,398	5,341	2,620	2,575	2,777	2,766
Percent distribution by occupation . . . . .	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers . . . . .	35.2	36.4	21.2	22.9	48.9	49.5
Professional and technical . . . . .	6.8	7.1	5.6	7.4	7.9	6.8
Managerial . . . . .	1.7	1.4	1.6	1.9	1.8	.8
Clerical and sales . . . . .	26.7	28.0	13.9	13.5	39.2	41.9
Blue-collar workers . . . . .	35.2	34.4	52.2	52.5	18.5	17.0
Craftsman and foremen . . . . .	5.3	4.4	9.3	8.3	1.4	.7
Operatives . . . . .	16.4	16.5	17.5	17.6	15.4	15.5
Nonfarm laborers . . . . .	13.4	13.4	25.3	26.6	1.8	.8
Service workers . . . . .	23.9	22.6	18.6	14.5	29.1	30.5
Farm workers . . . . .	5.7	6.5	8.0	10.1	3.5	3.0
<b>White</b>						
Total not in labor force (in thousands) . . . . .	49,985	48,975	12,449	11,895	37,536	37,080
Do not intend to seek work . . . . .	41,700	41,245	9,014	8,734	32,686	32,511
Intend to seek work in next 12 months . . . . .	8,285	7,730	3,435	3,161	4,850	4,569
Never worked . . . . .	1,679	1,468	651	549	1,028	919
Last worked over 5 years ago . . . . .	823	695	93	78	730	617
Last worked 1 to 5 years ago . . . . .	1,266	1,129	432	318	834	811
Worked during previous 12 months <sup>1</sup> . . . . .	4,517	4,439	2,259	2,217	2,258	2,222
<b>Negro and other races</b>						
Total not in labor force (in thousands) . . . . .	6,073	5,731	1,784	1,633	4,289	4,098
Do not intend to seek work . . . . .	4,253	4,058	1,146	1,091	3,107	2,967
Intend to seek work in next 12 months . . . . .	1,820	1,673	638	542	1,182	1,131
Never worked . . . . .	371	351	172	103	199	248
Last worked over 5 years ago . . . . .	164	156	26	14	138	142
Last worked 1 to 5 years ago . . . . .	404	264	78	67	326	197
Worked during previous 12 months <sup>1</sup> . . . . .	881	902	362	358	519	544

<sup>1</sup>Occupational data not available by color.

# 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	.3	.4	.4	.5	.5
25,000 . . . . .	.1	.1	.2	.2	.3	.3	.3	.3	.3
50,000 . . . . .	.1	.1	.1	.2	.2	.2	.2	.3	.3
75,000 . . . . .	.1	.1	.1	.1	.2	.2	.2	.2	.2

# Establishment Data

## COLLECTION

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

### Federal-State Cooperation

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

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

### Shuttle Schedules

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

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

## CONCEPTS

### Industrial Classification

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

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

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

### Industry Employment

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

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

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

### Industry Hours and Earnings

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

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

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

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

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

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

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

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

#### Gross Average Hourly and Weekly Earnings

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

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

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

#### Average Weekly Hours

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

#### Average Overtime Hours

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

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

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

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

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

#### Railroad Hours and Earnings

The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group 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 L, Summary of Methods for Computing Industry Statistics on Employment, Hours, Earnings, Job Vacancies, and Labor Turnover. Further details are given in the technical notes—Chapter 2, Employment, Hours and Earnings, and Chapter 3, Labor Turnover, reprinted from the *Handbook of Methods for Surveys and Studies*, BLS Bulletin 1458—which are available upon request.

### Size and Regional Stratification

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

### Benchmark Adjustments

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

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

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

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

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

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

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

## THE SAMPLE

### Design

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



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

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

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

#### Coverage

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

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

#### Reliability of the Employment Estimates

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

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

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent 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 (base on the experience of the last 6 years) of differences between final estimates and benchmarks are presented in table I.

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

Size of employment estimate	Root-mean-square error of employment estimates <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 hours and earnings estimates are normally not greater than .1 of an hour for weekly hours and 1 cent for hourly earnings.

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

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

#### Reliability of Job Vacancy Estimates

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

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

Table K. Relative errors of estimates of job vacancy data

Industry	Relative error <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 L. Summary of methods for computing industry statistics on employment, hours, earnings, job vacancies, and labor turnover**

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

# UNITED STATES DEPARTMENT OF LABOR

## Bureau of Labor Statistics

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### COOPERATING STATE AGENCIES

#### *Employment and Labor Turnover Statistics Programs*

BLS  
Region

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X	ALASKA	- Employment Security Division, Department of Labor, Juneau 99801
IX	ARIZONA	- Unemployment Compensation Division, Employment Security Commission, Phoenix 85005
VJ	ARKANSAS	- Employment Security Division, Department of Labor, Little Rock 72203
IJ	CALIFORNIA	- Division of Labor Statistics and Research, Department of Industrial Relations, Human Relations Agency, San Francisco 94101 (Employment).
VIII	COLORADO	- Department of Labor and Employment, Denver 80203
I	CONNECTICUT	- Employment Security Division, Connecticut Labor Department, Hartford 06115
III	DELAWARE	- Department of Labor, Wilmington 19899
III	DIST. OF COL.	- Manpower Training and Employment Services Administration for the District of Columbia, Washington 20212
IV	FLORIDA	- Department of Commerce, Tallahassee 32304
IV	GEORGIA	- Employment Security Agency, Department of Labor, Atlanta 30334
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X	IDAHO	- Department of Employment, Boise 83707
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VII	IOWA	- Employment Security Commission, Des Moines 50319
VII	KANSAS	- Employment Security Division, Department of Labor, Topeka 66603
IV	KENTUCKY	- Bureau of Employment Security, Department of Economic Security, Frankfort 40601
VI	LOUISIANA	- Department of Employment Security, Baton Rouge 70804
I	MAINE	- Employment Security Commission, Augusta 04330
III	MARYLAND	- Department of Employment and Social Services, Baltimore 21201
I	MASSACHUSETTS	- Division of Statistics, Department of Labor and Industries, Boston 02202 (Employment). Division of Employment Security, Boston 02215 (Turnover).
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V	MINNESOTA	- Department of Manpower Services, St. Paul 55101
IV	MISSISSIPPI	- Employment Security Commission, Jackson 39205
VII	MISSOURI	- Division of Employment Security, Jefferson City 65102
VIII	MONTANA	- Employment Security Commission, Helena 59601
VII	NEBRASKA	- Division of Employment, Department of Labor, Lincoln 68509
IX	NEVADA	- Employment Security Department, Carson City 89701
I	NEW HAMPSHIRE	- Department of Employment Security, Concord 03301
II	NEW JERSEY	- Division of Planning and Research, Department of Labor and Industry, Trenton 08625
VI	NEW MEXICO	- Employment Security Commission, Albuquerque 87103
II	NEW YORK	- Research and Statistics Office, Division of Employment, N.Y. State Department of Labor, State Campus Building 12, Albany 12201
IV	NORTH CAROLINA	- Division of Statistics, Department of Labor, Raleigh 27602 (Employment). Bureau of Employment Security Research, Employment Security Commission, Raleigh 27602 (Turnover).
VIII	NORTH DAKOTA	- Employment Security Bureau, Bismarck 58501
V	OHIO	- Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
VI	OKLAHOMA	- Employment Security Commission, Oklahoma City 73105
X	OREGON	- Division of Employment, Salem 97310
III	PENNSYLVANIA	- Bureau of Employment Security, Department of Labor and Industry, Harrisburg 17121
I	RHODE ISLAND	- Division of Statistics and Census, Department of Labor, Providence 02908 (Employment). Department of Employment Security, Providence 02903 (Turnover).
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