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Employment and Unemployment Developments, August 1969

Employment rose modestly in August, while the unemployment situation remained about the same. Nonfarm payroll employment rose by 165,000 (seasonally adjusted) over the month, but two-thirds of the gain was due to the return of workers after an early model-changeover in the automobile industry. The total unemployment rate, at 3.5 percent, was essentially unchanged from July. Jobless rates remained the same for most major groups in the labor force.

Industry Employment

Following a seasonally adjusted decline of 30,000 in July (as revised), nonfarm payroll employment in August continued to show signs of leveling off. Although up by 165,000 over the month to 70.4 million (seasonally adjusted), about 100,000 of the increase was attributable to the return of auto workers following an earlier-than-usual model changeover.

Since March, growth in nonfarm payroll employment has slowed down substantially. Monthly payroll employment increases have averaged 145,000 in the March-August period, in contrast with a 250,000 average pickup in the September-March period. Most major industries have experienced employment slowdowns during the past 5 months.

Over the month, seasonally adjusted gains were reported in manufacturing, services, trade, finance, and State and local government. With the exception of the transportation equipment industry, most manufacturing industries showed little or no change in August. The only sizable gains were in primary metals (15,000) and electrical equipment (10,000). Employment fell by 10,000 in apparel.

Employment in contract construction was down by about 45,000 (seasonally adjusted), its second consecutive monthly decline. About 25,000 of the August drop, however, reflected increased strike activity. Since June, the con-

struction unemployment rate has risen from 5.0 to 7.4 percent. Both of these developments primarily reflect significant declines in housing starts. Since last August, construction employment has increased by 105,000.

In services, the 55,000 August gain (seasonally adjusted) followed a 4-month period when the average monthly increase was only 5,000, compared with a 65,000 monthly increase for the September 1968-March 1969 period. The increase in trade, though sizable (30,000), still remained below the average monthly gains recorded during most of 1969. State and local government employment rose 20,000 in August. In contrast, Federal government employment was down by 25,000, the fifth month out of the past 6 that Federal employment has dropped.

Hours and Earnings

After 5 consecutive months at 37.8 hours (seasonally adjusted), average weekly hours for rank-and-file workers on private nonagricultural payrolls edged up to 37.9 hours. Increases in the August workweek in construction, trade, and finance offset declines in manufacturing and mining.

The average workweek in manufacturing was down 0.1 hour over the month to 40.6 hours (seasonally adjusted) in August. The factory workweek has edged slowly downward since March, when it stood at 40.9 hours. The gradual reduction in the manufacturing workweek has been widespread among both durable and non-durable goods industries, with many down substantially from their 1969 highs. Overtime hours in manufacturing, at 3.6 hours seasonally adjusted, remained unchanged for the third consecutive month.

Average hourly earnings for rank-and-file workers were unchanged in August at \$3.04. Due to a longer workweek, average weekly earnings increased by 61 cents to \$116.43.

Since last August, average hourly earnings have risen by 19 cents and weekly earnings by \$7.27 (both increasing by 6.7 percent).

Unemployment

The number of unemployed persons totaled 2.9 million in August, 325,000 fewer than in July. The decline was in line with the usual July-to-August pattern, as teenagers began their annual exodus from the summertime labor force. After seasonal adjustment, unemployment remained the same over the month for most major worker groups. However, unemployment was up by about 275,000 since the 12-year low reached early last winter.

The overall unemployment rate in August was 3.5 percent, about the same as the 3.6 percent in July. Although the August rate remained within the 3.4–3.6 percent range of the past 6 months, it was up slightly from the post-Korean low of 3.3 percent recorded in the December-February period.

Jobless rates for adult men (2.1 percent), married men (1.5 percent), women (3.8 percent), and teenagers (12.5 percent) were virtually unchanged in August. The rate for adult men, however, has risen somewhat from its alltime recorded low of 1.8 percent in December. Rates for most other groups remained near the lows reached earlier this year.

The jobless rate for all full-time workers remained at 3.1 percent for the fourth straight month but was up from the 2.8 percent reached in December—the low point for this series, which began in 1963. The rate for part-time workers, at 6.8 percent, was essentially unchanged from July and from a year ago. (This issue introduces a new table, A-30, presenting seasonally adjusted data on full- and part-time workers by sex and age.)

The unemployment rate for workers covered under State unemployment insurance programs

edged down to 2.1 percent in August. This rate has remained in the narrow range of 2.0–2.2 percent for the past 12 months.

Jobless rates for both white and Negro workers were unchanged in August; however, both have risen somewhat since reaching post-Korean record lows in February. The white unemployment rate in August was 3.2 percent, up from 2.9 percent in February, while the rate for Negroes was 6.5 percent in August, compared with 5.7 percent in February.

The increase in unemployment since the end of last year was mainly of short-term duration. Unemployment of less than 5 weeks, at 1.6 million in August (seasonally adjusted), was up by 275,000 from the level at the end of last year. Long-term unemployment (15 weeks or more) has risen only slightly during the year.

Labor Force and Employment

The civilian labor force declined less in August than it usually does at this time of year. After seasonal adjustment, the labor force stood at 81.1 million, 300,000 above July. All of the rise occurred among adult workers.

Total employment was 78.2 million (seasonally adjusted) in August; this represented a gain of 325,000 from July, all among adult workers. After showing little or no change from February to June, employment has advanced somewhat in the past 2 months. Despite this increase, the August level was up only 450,000 from February.

The number of persons who want full-time nonagricultural jobs but are employed part time for economic reasons rose by 200,000 in August to 2.0 million (seasonally adjusted), the highest level since early 1967. Economic part-time employment has increased 400,000 since the beginning of the year; persons who usually work full time accounted for two-thirds of the rise.

Full-Time and Part-Time Labor Force Data

This issue of Employment and Earnings introduces new seasonally adjusted series from the Current Population Survey (CPS) on the full- and part-time labor force. Although such data have been published on a regular monthly basis (table A-7) since February 1966, only the series for all full- and part-time workers had been adjusted previously for seasonality. Beginning with the current issue, a table (A-30) is being included on a regular monthly basis which presents the seasonally adjusted civilian labor force, employment, unemployment, and unemployment rate for the total, adult male, and adult female full-time groups and for the total part-time group. The new data replace the series previously published and may differ somewhat from earlier estimates.

Beginning with the October issue and appearing subsequently in quarterly months, an additional table will be included which presents quarterly average employment status data for the three major age-sex groups—adult males, adult females, and teenagers. Tables 1 through 8 on pages 6 - 13 provide the historical data for the new quarterly series. Seasonally adjusted quarterly data are shown for both the full- and part-time labor force—total, adult men, adult women, and teenagers—from 1963 (when the series began) through the second quarter of 1969. Annual averages for 1963-68 also are included in the tables. Because of some characteristics discussed below, these numbers should be used cautiously, and small changes in the series should be ignored.

Seasonal Adjustment Procedure

In developing seasonal adjustment factors for the new series, the usual Bureau of Labor Statistics procedures, which require 8 years of data, were not used. The full- and part-time series consist of only 6 years of data; in addition, changes instituted in the CPS questionnaire in January 1967 ^{1/} altered both the levels and the seasonal patterns for components of these series.

For the teenagers, in particular, this change caused a real break in the part-time and full-time unemployment series between 1966 and 1967. Therefore, the periods 1963-66 and 1967-68 were adjusted separately.

For most components of the series, the data were seasonally adjusted directly. In three instances, however, the seasonally adjusted data were obtained as residuals after calculation of the seasonally adjusted part-time component. The latter procedure was used in those cases where part-time workers made up a small portion of total employment and unemployment. Where both the full- and part-time data were seasonally adjusted directly, the sum of these two may differ somewhat from the seasonally adjusted totals published for the totals and major age-sex groups. The method for each group is summarized below.

Category	Part time	Full time
<u>Adult men:</u>		
Employed -----	Direct seasonal adjustment.	Total seasonally adjusted level minus the seasonally adjusted part-time component.
Unemployed---	Direct.	Same as above.
<u>Adult women:</u>		
Employed -----	Direct.	Same as above.
Unemployed---	Direct.	Direct.
<u>16-19 year-olds:</u>		
Employed -----	Direct.	Direct.
Unemployed---	Direct.	Direct.

Standard Errors

Since the full- and part-time estimates are based on a sample, they may differ from the figures that would have been obtained if a complete census using the same schedules and

^{1/} See "New Definitions for Employment and Unemployment," Employment and Earnings and Monthly Report on the Labor Force, February 1967, Vol. 13, No. 8, pp. 3-27.

procedures had been possible. The standard error is a measure of sampling variability, that is, the variation that might occur by chance because only a sample of the population is surveyed. Because several of the full- and part-time series are based on small sample counts, they may lend themselves somewhat readily to

misinterpretation. The standard errors at the 1 sigma level of significance for the seasonally adjusted unemployment rates, based on current levels of employment and unemployment, are given below. For analytical purposes, a greater degree of reliability, such as 1.6 or 2.0 standard errors, should be used.

Group	Standard error on percentage point change in the seasonally adjusted unemployment rate ¹	
	Quarter to quarter (consecutive quarters only)	Month to month (consecutive months only)
Full time -----	0.1	0.1
Males 20 years and over -----	.1	.1
Females 20 years and over -----	.1	.2
16-19 year-olds -----	.5	2.7
Part time -----	.2	.3
Males 20 years and over -----	.4	2.6
Females 20 years and over -----	.2	2.3
16-19 year-olds -----	.5	2.7

¹ The chances are 68 out of 100 that the estimate from the sample would differ from a complete census by less than the standard error.

² Seasonally adjusted data not published monthly for these series.

Table 1. Full-time labor force--persons 16 years
and over, seasonally adjusted
(Numbers in thousands)

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Civilian labor force</u>					
1963.....	63,775	64,155	63,955	64,347	64,012
1964.....	64,399	64,858	64,903	65,065	64,822
1965.....	65,665	65,909	65,927	66,088	65,931
1966.....	66,318	66,617	66,715	66,861	66,684
1967.....	67,093	66,968	67,662	68,108	67,465
1968.....	68,123	68,279	68,374	68,558	68,332
1969.....	68,892	69,333			
<u>Employment</u>					
1963.....	60,084	60,631	60,579	60,863	60,506
1964.....	61,018	61,656	61,822	62,038	61,645
1965.....	62,643	62,968	63,216	63,610	63,138
1966.....	64,009	64,293	64,477	64,605	64,370
1967.....	64,893	64,711	65,397	65,752	65,173
1968.....	65,886	66,133	66,234	66,566	66,194
1969.....	66,846	67,159			
<u>Unemployment</u>					
1963.....	3,691	3,524	3,377	3,484	3,505
1964.....	3,381	3,202	3,081	3,027	3,178
1965.....	3,023	2,874	2,711	2,478	2,791
1966.....	2,308	2,323	2,304	2,256	2,315
1967.....	2,200	2,347	2,265	2,355	2,292
1968.....	2,237	2,146	2,140	1,992	2,138
1969.....	2,047	2,174			
<u>Unemployment rate</u>					
1963.....	5.8	5.5	5.3	5.4	5.5
1964.....	5.3	4.9	4.7	4.7	4.9
1965.....	4.6	4.4	4.1	3.7	4.2
1966.....	3.5	3.5	3.5	3.4	3.5
1967.....	3.3	3.5	3.3	3.5	3.4
1968.....	3.3	3.1	3.1	2.9	3.1
1969.....	3.0	3.1			

Table 2. Full-time labor force--men 20 years
and over, seasonally adjusted
(Numbers in thousands)

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Civilian labor force</u>					
1963.....	42,469	42,610	42,635	42,733	42,608
1964.....	42,711	42,972	42,990	42,999	42,925
1965.....	43,274	43,363	43,197	43,071	43,243
1966.....	43,129	43,121	43,085	43,213	43,145
1967.....	43,366	43,368	43,556	43,745	43,513
1968.....	43,862	43,857	43,938	43,917	43,893
1969.....	43,854	44,104			
<u>Employment</u>					
1963.....	40,470	40,699	40,896	40,918	40,748
1964.....	41,005	41,354	41,427	41,483	41,316
1965.....	41,784	41,954	41,902	41,920	41,892
1966.....	42,032	42,100	42,064	42,217	42,106
1967.....	42,435	42,350	42,629	42,772	42,543
1968.....	42,922	42,953	43,038	43,085	42,996
1969.....	43,069	43,251			
<u>Unemployment</u>					
1963.....	1,999	1,911	1,739	1,815	1,860
1964.....	1,706	1,618	1,563	1,516	1,609
1965.....	1,491	1,409	1,295	1,151	1,351
1966.....	1,096	1,020	1,021	996	1,040
1967.....	931	1,017	928	973	971
1968.....	940	904	900	833	896
1969.....	784	853			
<u>Unemployment rate</u>					
1963.....	4.7	4.5	4.1	4.2	4.4
1964.....	4.0	3.8	3.6	3.5	3.7
1965.....	3.4	3.2	3.0	2.7	3.1
1966.....	2.5	2.4	2.4	2.3	2.4
1967.....	2.1	2.3	2.1	2.2	2.2
1968.....	2.1	2.1	2.0	1.9	2.0
1969.....	1.8	1.9			

Table 3. Full-time labor force--women 20 years
and over, seasonally adjusted
(Numbers in thousands)

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Civilian labor force</u>					
1963.....	17,943	18,112	18,121	18,397	18,141
1964.....	18,494	18,693	18,582	18,750	18,637
1965.....	18,986	19,117	19,145	19,263	19,136
1966.....	19,353	19,584	19,747	19,876	19,648
1967.....	19,993	20,035	20,458	20,732	20,293
1968.....	20,592	20,704	20,763	21,096	20,778
1969.....	21,396	21,536			
<u>Employment</u>					
1963.....	16,920	17,094	17,087	17,348	17,111
1964.....	17,408	17,682	17,629	17,832	17,643
1965.....	18,060	18,221	18,281	18,454	18,260
1966.....	18,630	18,845	19,072	19,116	18,825
1967.....	19,194	19,184	19,606	19,871	19,453
1968.....	19,794	19,949	19,996	20,359	20,013
1969.....	20,628	20,704			
<u>Unemployment</u>					
1963.....	1,023	1,018	1,034	1,049	1,031
1964.....	1,086	1,012	953	918	995
1965.....	926	895	864	809	877
1966.....	723	739	742	760	740
1967.....	799	851	852	861	840
1968.....	798	755	766	736	765
1969.....	768	832			
<u>Unemployment rate</u>					
1963.....	5.7	5.6	5.7	5.7	5.7
1964.....	5.9	5.4	5.1	4.9	5.3
1965.....	4.9	4.7	4.5	4.2	4.6
1966.....	3.7	3.8	3.8	3.8	3.8
1967.....	4.0	4.2	4.2	4.2	4.1
1968.....	3.9	3.6	3.7	3.5	3.7
1969.....	3.6	3.9			

Table 4. Full-time labor force--both sexes 16-19
years, seasonally adjusted
(Numbers in thousands)

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Civilian labor force</u>					
1963.....	3,363	3,433	3,199	3,217	3,263
1964.....	3,194	3,192	3,331	3,316	3,260
1965.....	3,405	3,429	3,585	3,754	3,552
1966.....	3,836	3,912	3,883	3,772	3,890
1967.....	3,734	3,656	3,648	3,631	3,659
1968.....	3,670	3,718	3,673	3,545	3,661
1969.....	3,642	3,693			
<u>Employment</u>					
1963.....	2,694	2,838	2,596	2,597	2,648
1964.....	2,605	2,621	2,765	2,724	2,686
1965.....	2,799	2,793	3,033	3,236	2,986
1966.....	3,347	3,348	3,342	3,272	3,356
1967.....	3,264	3,177	3,163	3,109	3,177
1968.....	3,171	3,231	3,200	3,122	3,184
1969.....	3,148	3,204			
<u>Unemployment</u>					
1963.....	669	595	603	620	615
1964.....	589	572	565	592	574
1965.....	606	570	552	517	564
1966.....	489	564	541	500	535
1967.....	470	479	485	522	482
1968.....	499	487	473	423	476
1969.....	494	489			
<u>Unemployment rate</u>					
1963.....	19.9	17.3	18.8	19.3	18.8
1964.....	18.4	17.9	17.0	17.9	17.6
1965.....	17.8	16.6	15.4	13.8	15.9
1966.....	12.7	14.4	13.9	13.3	13.8
1967.....	12.6	13.1	13.3	14.4	13.2
1968.....	13.6	13.1	12.9	11.9	13.0
1969.....	13.6	13.2			

Table 5. Part-time labor force--persons 16 years and over, seasonally adjusted
(Numbers in thousands)

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Civilian labor force</u>					
1963.....	7,662	7,727	7,930	7,949	7,823
1964.....	8,179	8,377	8,242	8,278	8,269
1965.....	8,207	8,522	8,668	8,743	8,527
1966.....	8,860	8,732	9,154	9,539	9,068
1967.....	9,682	9,733	9,938	10,136	9,882
1968.....	10,200	10,373	10,484	10,568	10,405
1969.....	10,961	10,887			
<u>Employment</u>					
1963.....	7,149	7,150	7,330	7,373	7,255
1964.....	7,576	7,774	7,645	7,655	7,661
1965.....	7,637	7,948	7,767	8,155	7,951
1966.....	8,306	8,183	8,572	8,979	8,508
1967.....	8,997	9,095	9,246	9,431	9,199
1968.....	9,533	9,670	9,811	9,891	9,726
1969.....	10,304	10,248			
<u>Unemployment</u>					
1963.....	513	577	600	576	568
1964.....	604	604	597	623	608
1965.....	570	573	568	588	576
1966.....	554	549	583	560	560
1967.....	685	638	691	706	683
1968.....	666	702	672	678	679
1969.....	657	640			
<u>Unemployment rate</u>					
1963.....	6.7	7.5	7.6	7.2	7.3
1964.....	7.4	7.2	7.2	7.5	7.4
1965.....	6.9	6.7	6.6	6.7	6.8
1966.....	6.3	6.3	6.4	5.9	6.2
1967.....	7.1	6.6	7.0	7.0	6.9
1968.....	6.5	6.8	6.4	6.4	6.5
1969.....	6.0	5.9			

Table 6. Part-time labor force--men 20 years
and over, seasonally adjusted
(Numbers in thousands)

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Civilian labor force</u>					
1963.....	1,609	1,595	1,656	1,601	1,615
1964.....	1,671	1,644	1,658	1,738	1,679
1965.....	1,607	1,632	1,603	1,614	1,614
1966.....	1,614	1,650	1,658	1,646	1,641
1967.....	1,748	1,801	1,889	1,912	1,840
1968.....	1,920	1,953	1,963	1,998	1,959
1969.....	2,082	2,087			
<u>Employment</u>					
1963.....	1,484	1,483	1,546	1,503	1,503
1964.....	1,558	1,541	1,552	1,625	1,570
1965.....	1,525	1,542	1,519	1,532	1,530
1966.....	1,540	1,569	1,567	1,571	1,561
1967.....	1,666	1,718	1,791	1,816	1,751
1968.....	1,823	1,856	1,865	1,904	1,863
1969.....	1,989	2,007			
<u>Unemployment</u>					
1963.....	125	112	110	98	112
1964.....	113	102	106	113	109
1965.....	83	90	84	82	85
1966.....	74	81	90	76	80
1967.....	82	82	98	96	89
1968.....	97	97	97	94	96
1969.....	93	80			
<u>Unemployment rate</u>					
1963.....	7.8	7.0	6.6	6.1	6.9
1964.....	6.8	6.2	6.4	6.5	6.5
1965.....	5.2	5.5	5.2	5.1	5.3
1966.....	4.6	4.9	5.4	4.6	4.9
1967.....	4.7	4.6	5.2	5.0	4.8
1968.....	5.1	5.0	4.9	4.7	4.9
1969.....	4.5	3.8			

Table 7. Part-time labor force--women 20 years
and over, seasonally adjusted
(Numbers in thousands)

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Civilian labor force</u>					
1963.....	4,298	4,316	4,368	4,342	4,331
1964.....	4,391	4,576	4,470	4,405	4,461
1965.....	4,465	4,500	4,647	4,595	4,551
1966.....	4,663	4,599	4,746	5,097	4,778
1967.....	5,064	5,092	5,190	5,358	5,181
1968.....	5,401	5,501	5,548	5,512	5,488
1969.....	5,729	5,656			
<u>Employment</u>					
1963.....	4,129	4,128	4,170	4,152	4,145
1964.....	4,196	4,381	4,274	4,193	4,261
1965.....	4,273	4,322	4,478	4,424	4,372
1966.....	4,498	4,419	4,556	4,915	4,600
1967.....	4,819	4,876	4,952	5,115	4,944
1968.....	5,187	5,258	5,322	5,307	5,268
1969.....	5,536	5,451			
<u>Unemployment</u>					
1963.....	169	188	198	191	186
1964.....	195	195	197	211	200
1965.....	192	177	169	171	179
1966.....	165	179	190	182	179
1967.....	246	215	238	243	238
1968.....	214	243	225	205	220
1969.....	193	205			
<u>Unemployment rate</u>					
1963.....	3.9	4.4	4.5	4.4	4.3
1964.....	4.4	4.3	4.4	4.8	4.5
1965.....	4.3	3.9	3.6	3.7	3.9
1966.....	3.5	3.9	4.0	3.6	3.7
1967.....	4.9	4.2	4.6	4.5	4.6
1968.....	4.0	4.4	4.1	3.7	4.0
1969.....	3.4	3.6			

Table 8. Part-time labor force--both sexes 16-19
years, seasonally adjusted
(Numbers in thousands)

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
<u>Civilian labor force</u>					
1963.....	1,755	1,815	1,906	2,005	1,877
1964.....	2,117	2,157	2,114	2,135	2,129
1965.....	2,134	2,390	2,418	2,533	2,361
1966.....	2,583	2,484	2,751	2,796	2,649
1967.....	2,870	2,841	2,858	2,866	2,860
1968.....	2,879	2,919	2,973	3,058	2,957
1969.....	3,150	3,145			
<u>Employment</u>					
1963.....	1,536	1,538	1,614	1,718	1,606
1964.....	1,822	1,851	1,820	1,836	1,830
1965.....	1,839	2,084	2,103	2,198	2,050
1966.....	2,268	2,195	2,448	2,493	2,347
1967.....	2,512	2,501	2,503	2,500	2,504
1968.....	2,523	2,557	2,624	2,679	2,595
1969.....	2,779	2,790			
<u>Unemployment</u>					
1963.....	219	277	292	287	271
1964.....	295	306	294	299	299
1965.....	295	306	315	335	312
1966.....	314	289	303	303	302
1967.....	358	340	355	366	356
1968.....	356	362	350	379	362
1969.....	371	355			
<u>Unemployment rate</u>					
1963.....	12.5	15.3	15.3	14.3	14.4
1964.....	13.9	14.2	13.9	14.0	14.0
1965.....	13.8	12.8	13.0	13.2	13.2
1966.....	12.2	11.6	11.0	10.8	11.4
1967.....	12.5	12.0	12.4	12.8	12.4
1968.....	12.4	12.4	11.8	12.4	12.2
1969.....	11.8	11.3			

Chart 1.

LABOR FORCE AND EMPLOYMENT

1957 to date
(Seasonally adjusted)

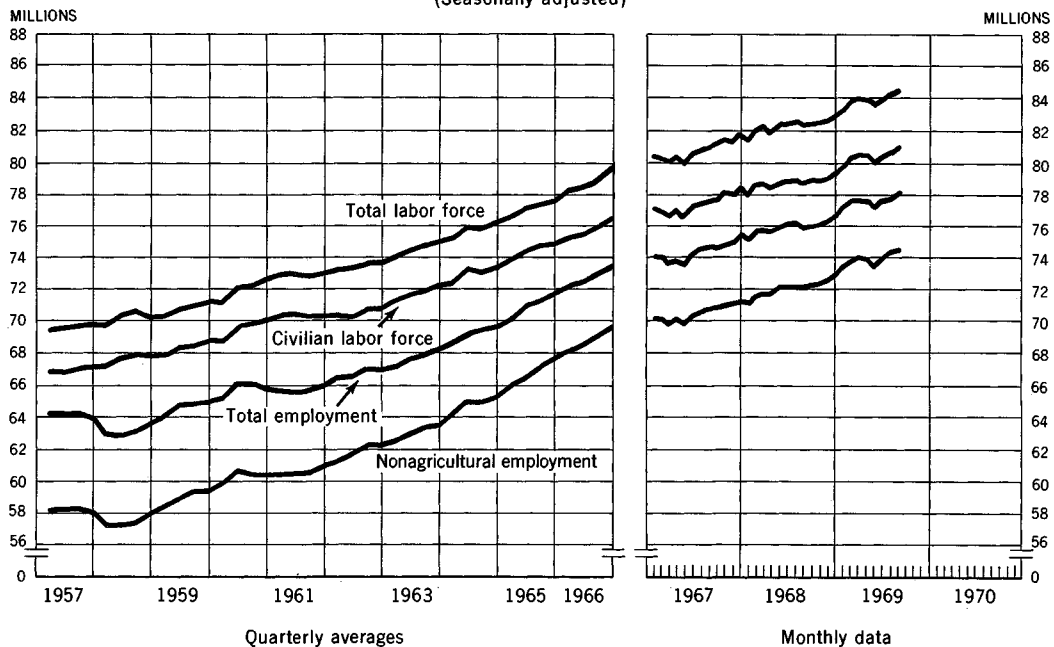
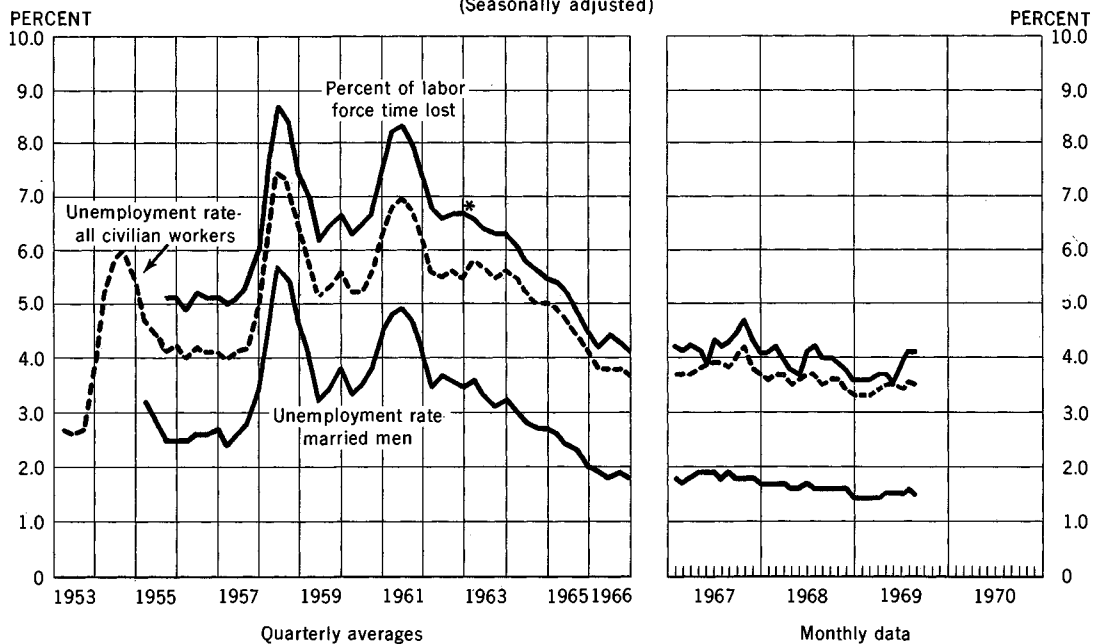


Chart 2.

MAJOR UNEMPLOYMENT INDICATORS

1953 to date
(Seasonally adjusted)

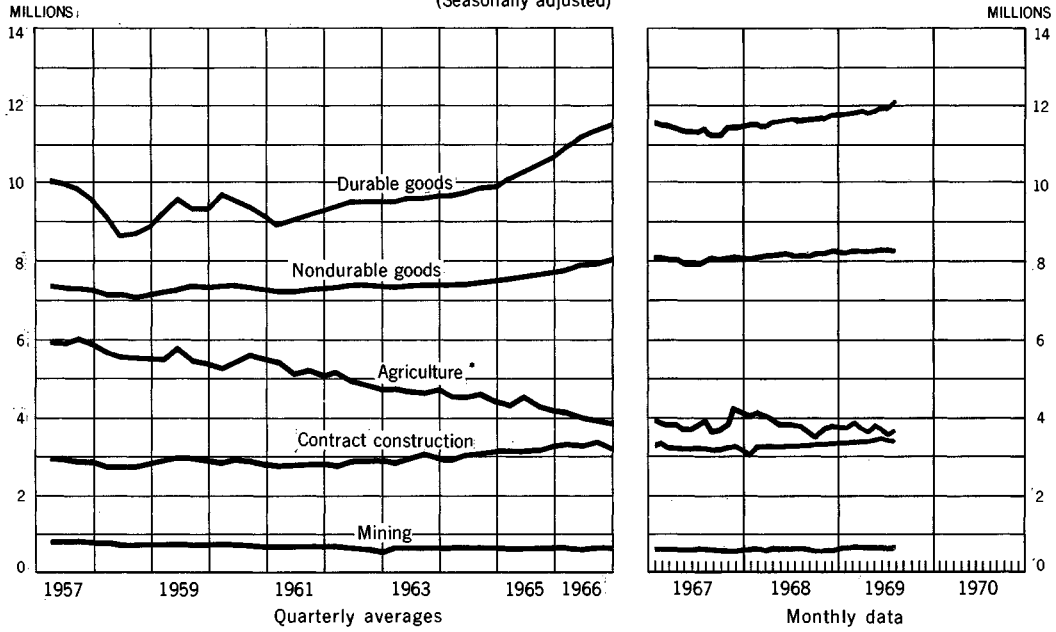


* Series revised beginning 1963 to reflect whether unemployed persons sought full-or part-time jobs

Chart 3.

PAYROLL EMPLOYMENT IN GOODS-PRODUCING INDUSTRIES

1957 to date
(Seasonally adjusted)

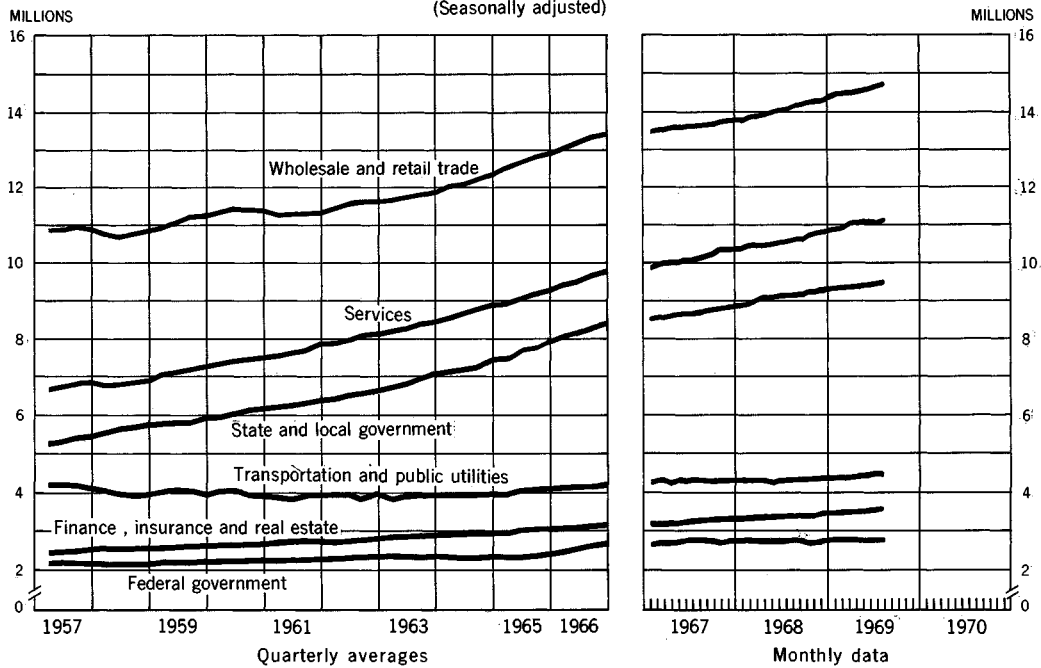


*Includes self-employed and unpaid family workers.
Note: Data for 2 most recent months are preliminary.

Chart 4.

PAYROLL EMPLOYMENT IN SERVICE-PRODUCING INDUSTRIES

1957 to date
(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

Chart 5.

UNEMPLOYMENT RATES BY AGE AND SEX

1953 to date
(Seasonally adjusted)

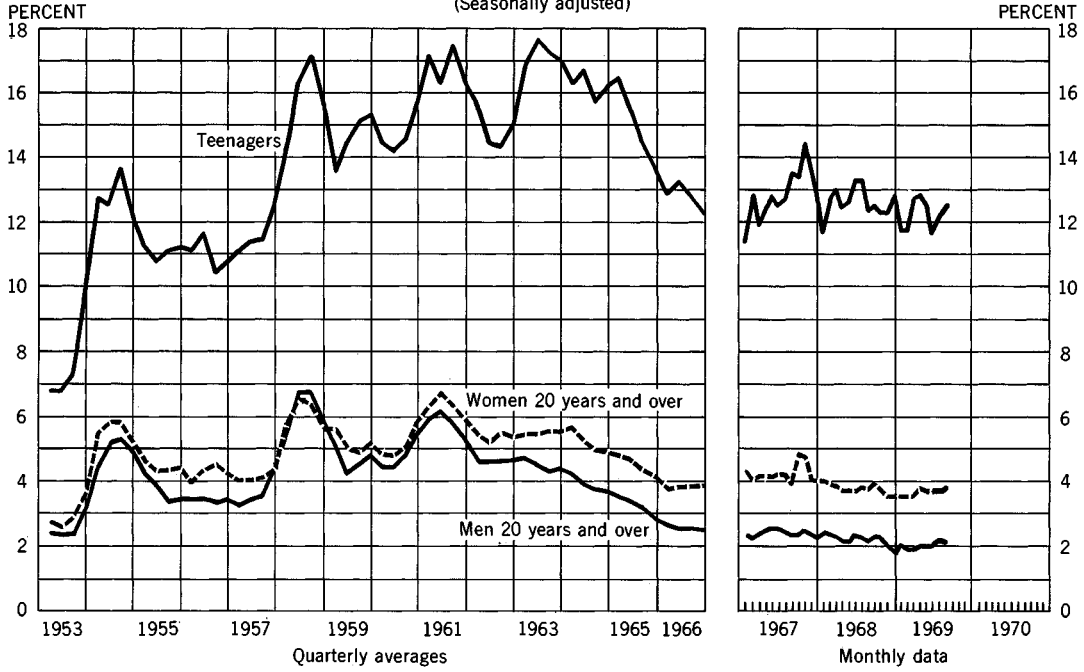


Chart 6.

TOTAL UNEMPLOYMENT BY DURATION

1953 to date
(Seasonally adjusted)

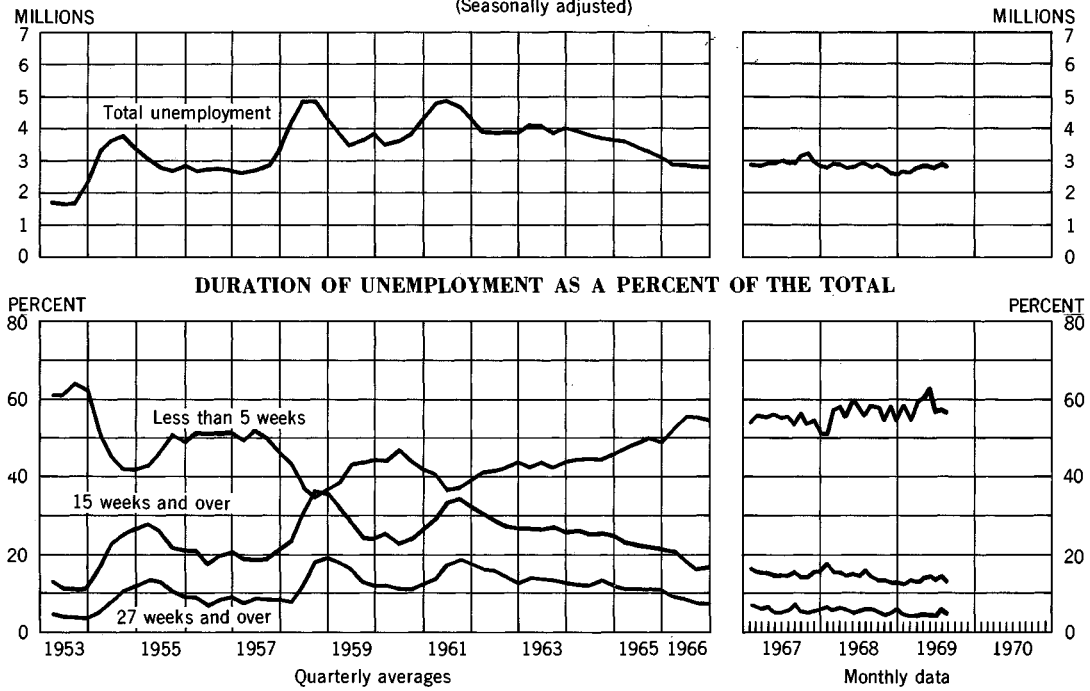
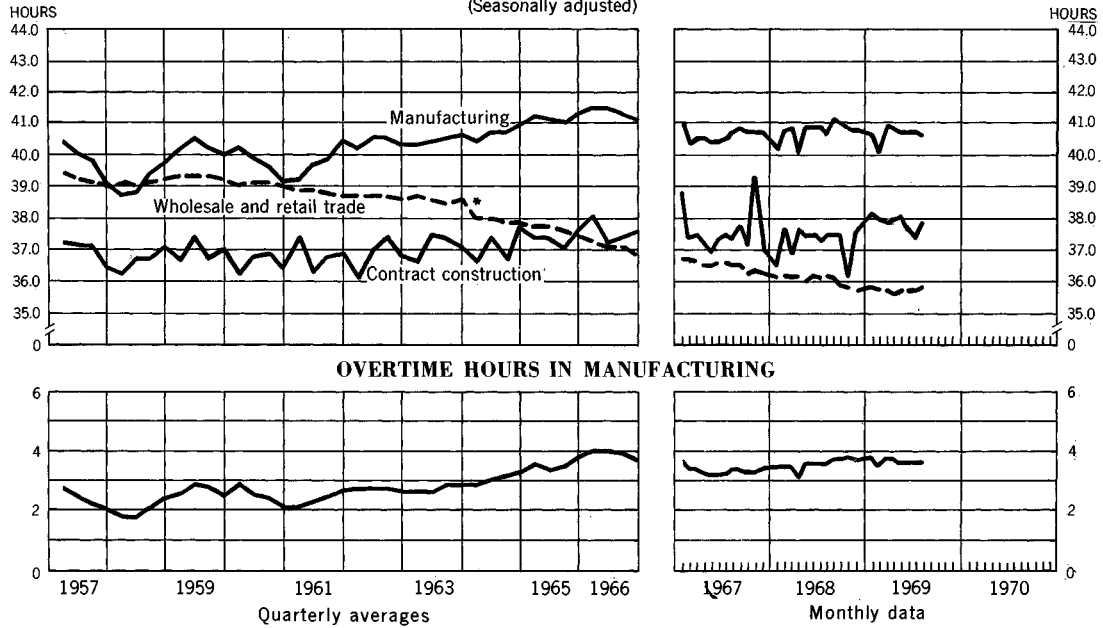


Chart 7.

HOURS OF WORK IN MANUFACTURING, CONTRACT CONSTRUCTION, AND TRADE

1957 to date
(Seasonally adjusted)

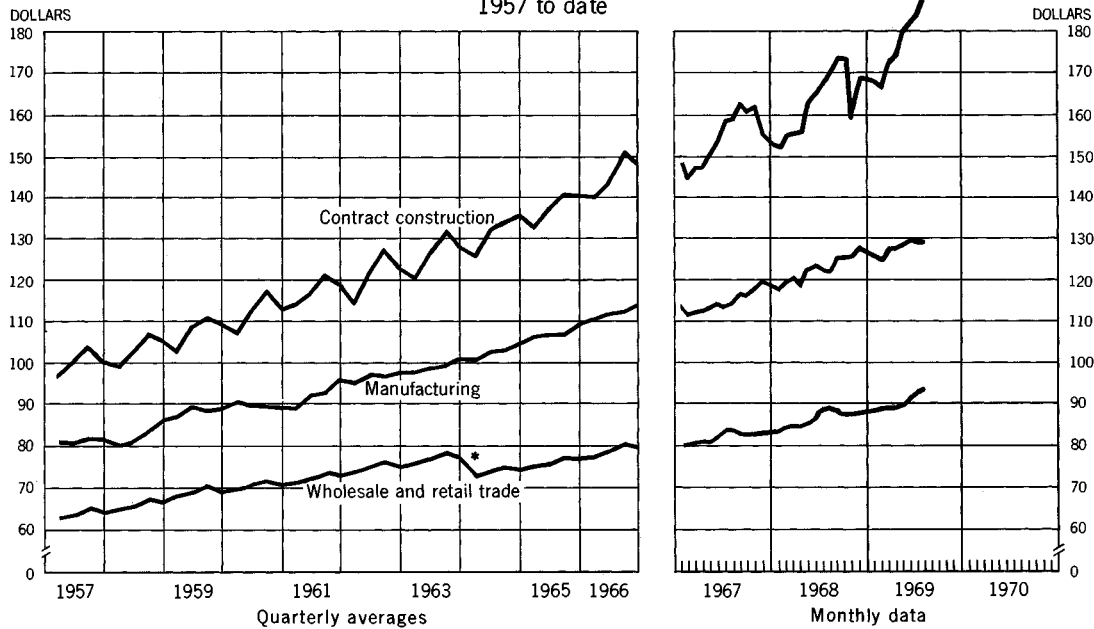


* Includes eating and drinking establishments, not previously available.
Note: Data for 2 most recent months are preliminary.

Chart 8.

AVERAGE WEEKLY EARNINGS IN MANUFACTURING, CONTRACT CONSTRUCTION, AND TRADE

1957 to date

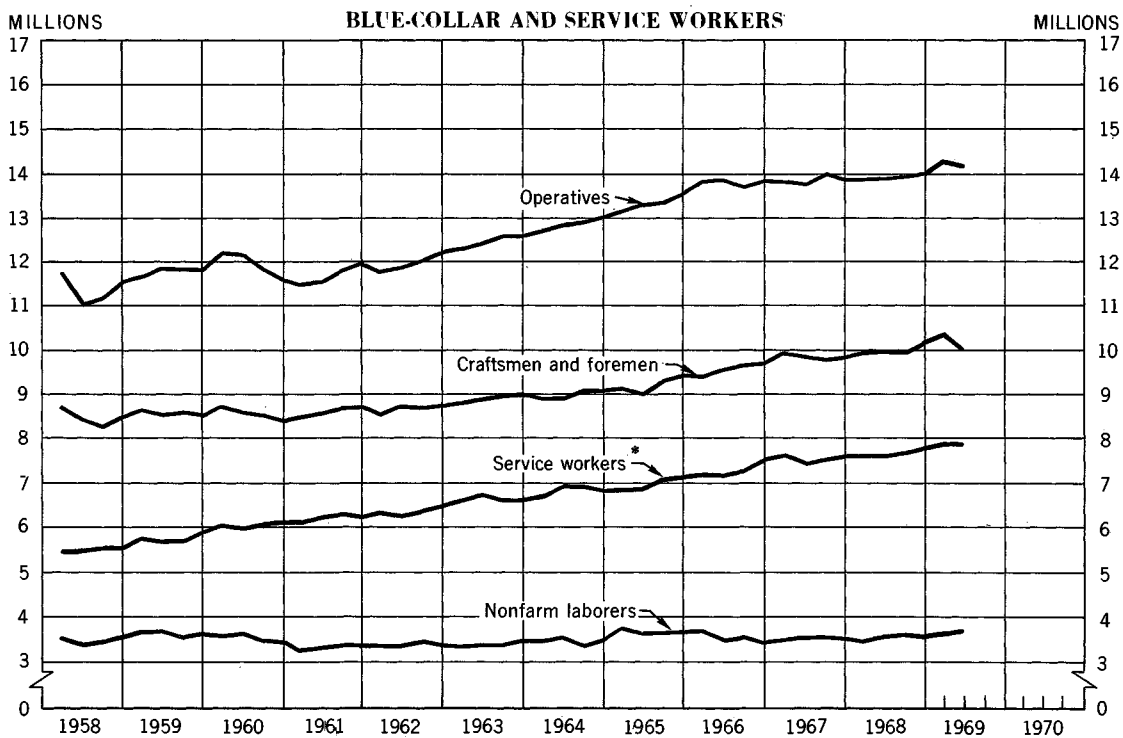
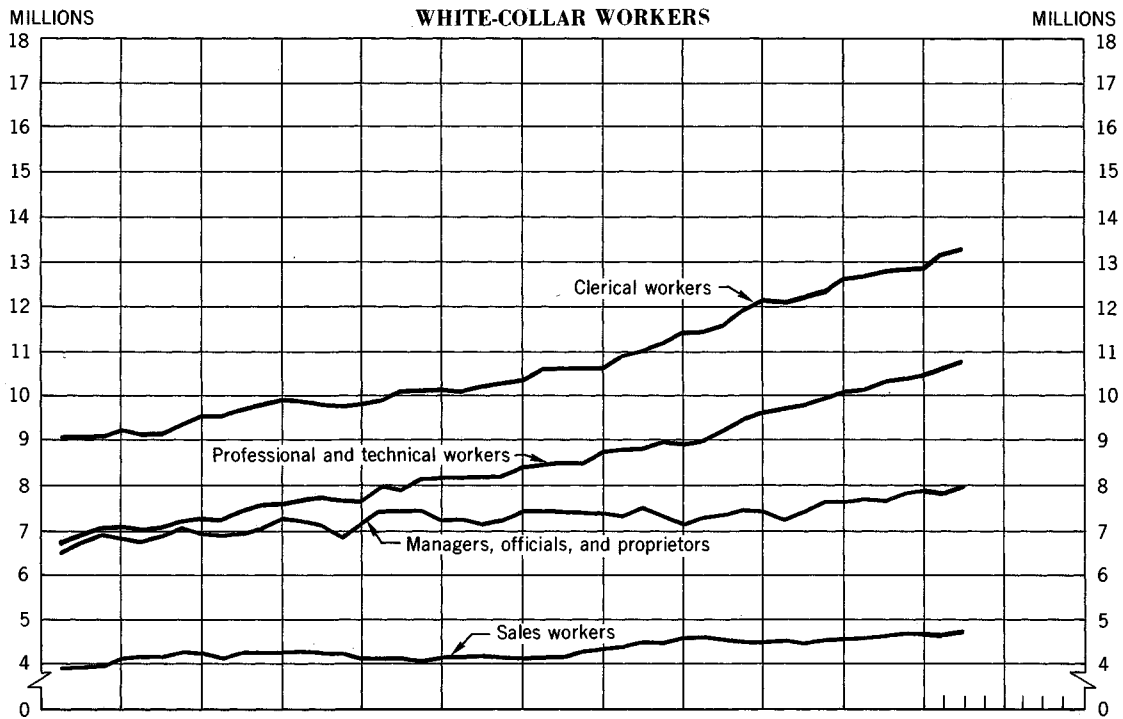


* Includes eating and drinking establishments, not previously available.
Note: Data for 2 most recent months are preliminary.

Chart 9.

EMPLOYMENT IN NONFARM OCCUPATIONS

1958 to date
(Seasonally adjusted quarterly averages)



* Excludes household workers.

Chart 10.

PERSONS AT WORK IN NONAGRICULTURAL INDUSTRIES BY FULL- AND PART-TIME STATUS

1957 to date
(Seasonally adjusted quarterly averages)

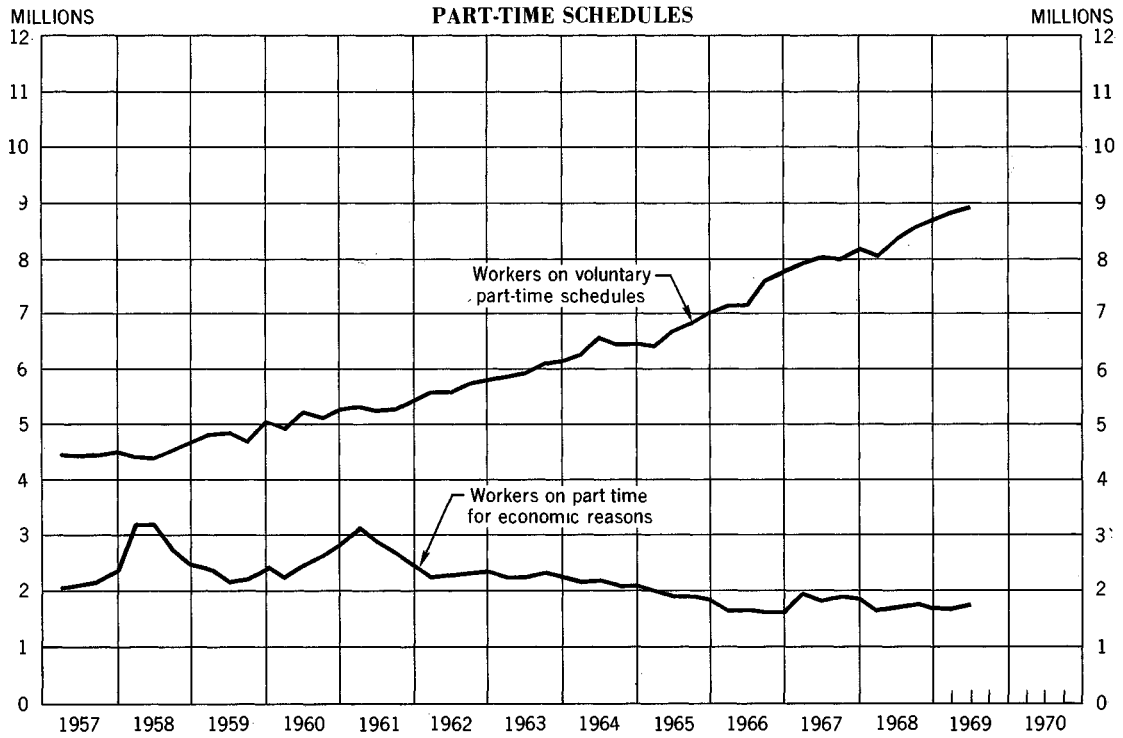
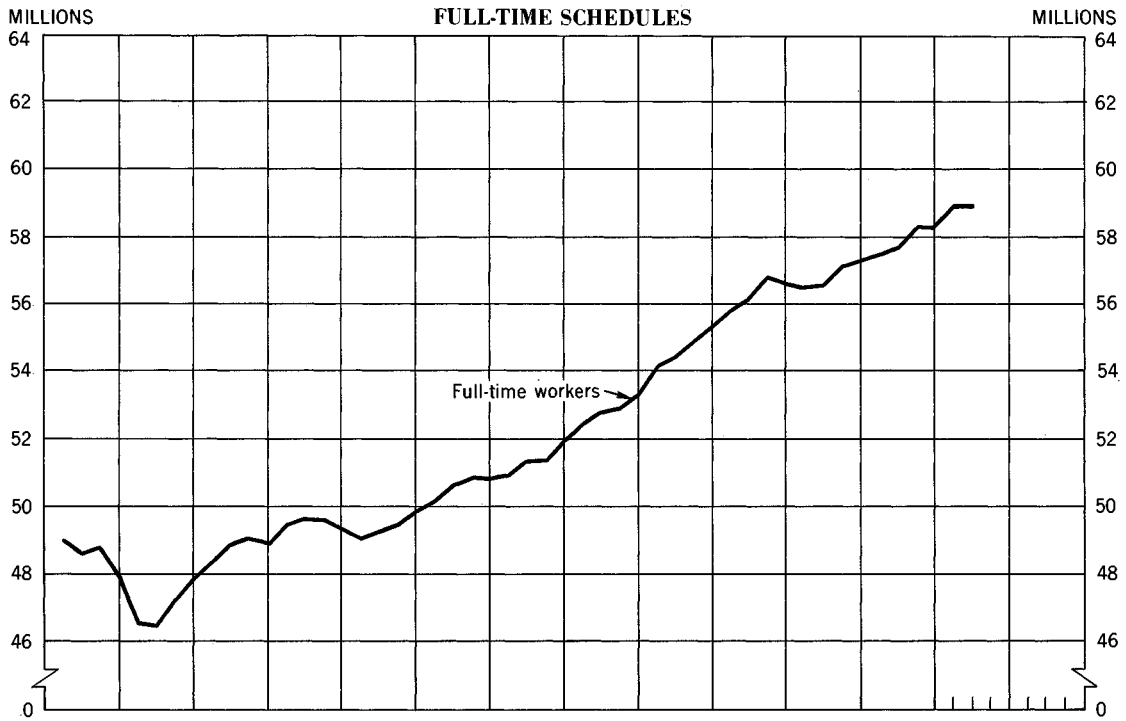


Chart 11.

UNEMPLOYMENT RATES BY OCCUPATION

1958 to date
(Seasonally adjusted quarterly averages)

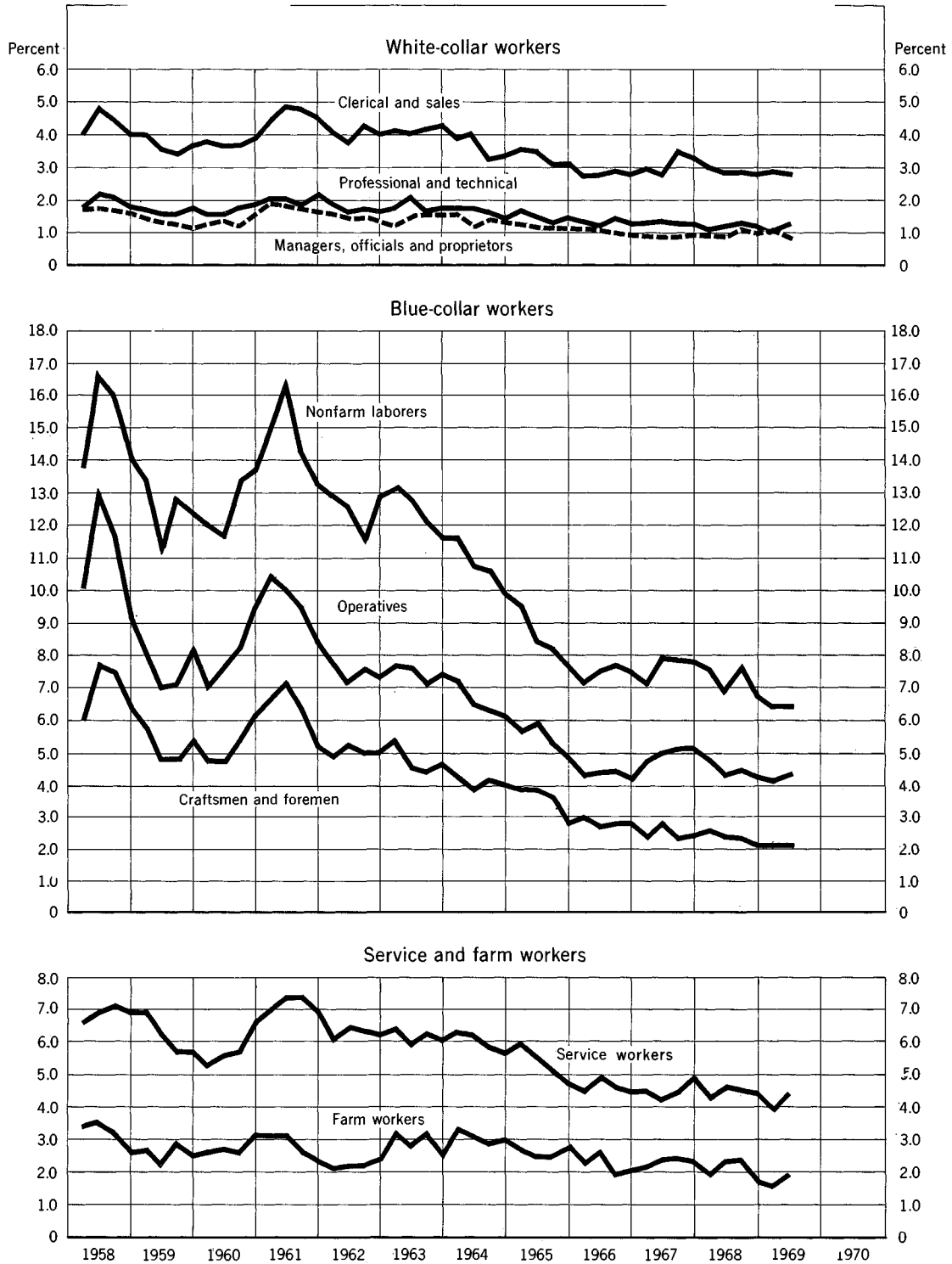


Chart 12.

UNEMPLOYMENT RATES BY COLOR

1957 to date

(Seasonally adjusted quarterly averages)

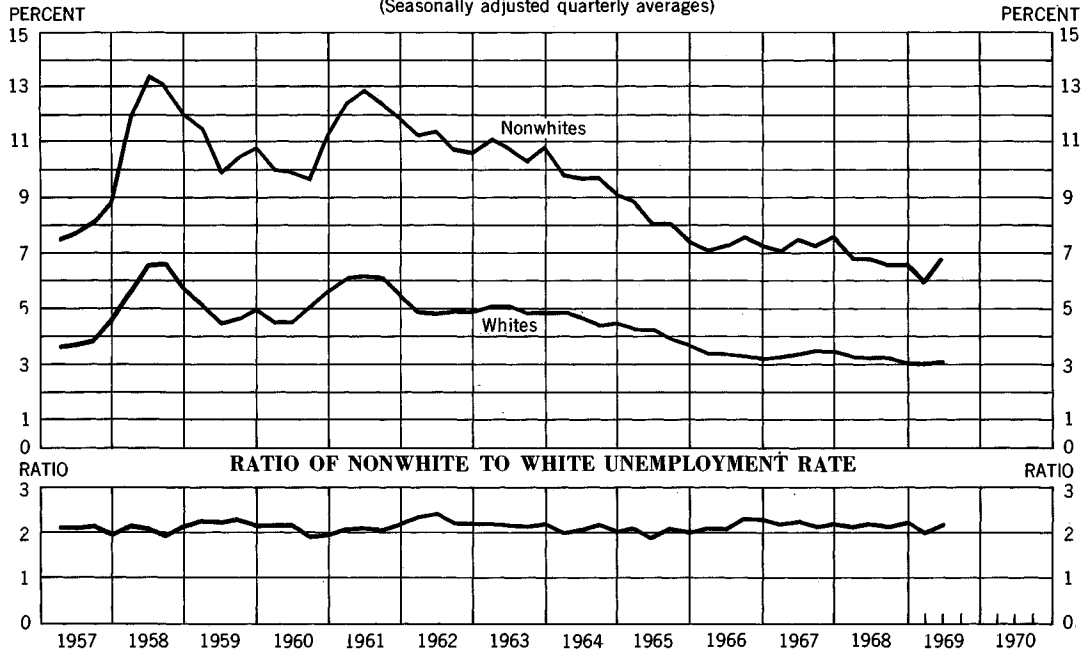
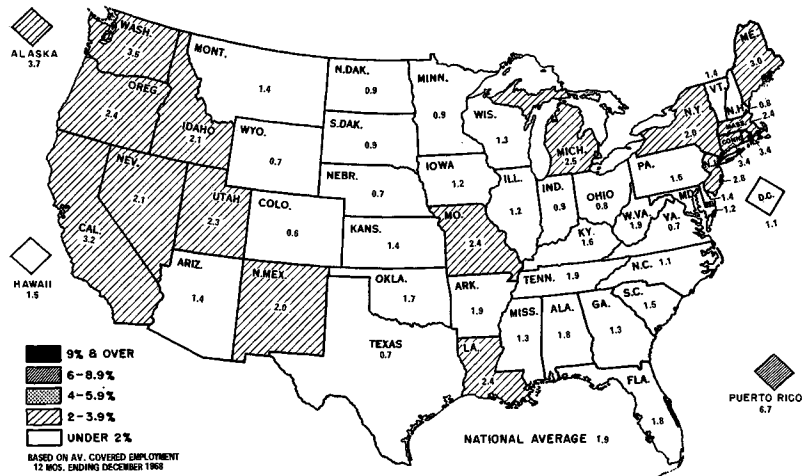


Chart 13.

STATE INSURED UNEMPLOYMENT RATES

Week ending August 16, 1969

(Not seasonally adjusted)



Insured jobless under State unemployment insurance programs excludes workers who have exhausted their benefit rights, new workers, and persons from jobs not covered by State unemployment insurance programs.

Source: Manpower Administration

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¹Quarterly data included in February, May, August, and November issues.

HOUSEHOLD DATA

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

(In thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
Persons 16 years of age and over											
1947.....	103,418	60,941	58.9	59,350	57,039	7,891	49,148	2,311	3.9	-	42,477
1948.....	104,527	62,080	59.4	60,621	58,344	7,629	50,713	2,276	3.8	-	42,447
1949.....	105,611	62,903	59.6	61,286	57,649	7,656	49,990	3,637	5.9	-	42,708
1950.....	106,645	63,858	59.9	62,208	58,920	7,160	51,760	3,288	5.3	-	42,787
1951.....	107,721	65,117	60.4	62,017	59,962	6,726	53,239	2,055	3.3	-	42,604
1952.....	108,823	65,730	60.4	62,138	60,254	6,501	53,753	1,883	3.0	-	43,093
1953.....	110,601	66,560	60.2	63,015	61,181	6,261	54,922	1,834	2.9	-	44,041
1954.....	111,671	66,993	60.0	63,643	60,110	6,206	53,903	3,532	5.5	-	44,678
1955.....	112,732	68,072	60.4	65,023	62,171	6,449	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
1968: August.....	135,839	83,792	61.7	80,203	77,432	4,107	73,325	2,277	3.5	3.5	52,047
September.....	136,036	82,137	60.4	78,546	75,939	3,838	72,103	2,606	3.3	3.6	53,900
October.....	136,221	82,477	60.5	78,874	76,364	3,767	72,596	2,511	3.2	3.6	53,744
November.....	136,420	82,702	60.6	79,185	76,609	3,607	73,001	2,577	3.3	3.4	53,718
December.....	136,619	82,618	60.5	79,118	76,700	3,279	73,421	2,419	3.1	3.3	54,001
1969: January.....	136,802	81,711	59.7	78,234	75,358	3,165	72,192	2,876	3.7	3.3	55,091
February.....	136,940	82,579	60.3	79,104	76,181	3,285	72,896	2,923	3.7	3.3	54,361
March.....	137,143	82,770	60.4	79,266	76,520	3,327	73,193	2,746	3.5	3.4	54,373
April.....	137,337	83,137	60.5	79,621	77,079	3,607	73,471	2,542	3.2	3.5	54,200
May.....	137,549	83,085	60.4	79,563	77,264	3,894	73,370	2,299	2.9	3.5	54,464
June.....	137,737	85,880	62.4	82,356	78,956	4,367	74,589	3,400	4.1	3.4	51,857
July.....	137,935	86,318	62.6	82,797	79,616	4,155	75,460	3,182	3.8	3.6	51,617
August.....	138,127	86,046	62.3	82,516	79,646	3,977	75,669	2,869	3.5	3.5	52,081

¹Not available.

HOUSEHOLD DATA

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

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
MALE											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1968: August.....	65,472	54,709	83.6	51,159	49,850	3,351	46,499	1,309	2.6	2.8	10,763
1969: February.....	65,968	52,673	79.8	49,237	47,697	2,777	44,920	1,539	3.1	2.6	13,295
March.....	66,063	52,832	80.0	49,368	47,907	2,833	45,074	1,461	3.0	2.6	13,230
April.....	66,151	53,063	80.2	49,586	48,332	3,018	45,314	1,254	2.5	2.7	13,089
May.....	66,241	53,139	80.2	49,657	48,543	3,154	45,388	1,114	2.2	2.7	13,102
June.....	66,325	55,001	82.9	51,517	49,937	3,442	46,495	1,580	3.1	2.7	11,324
July.....	66,395	55,501	83.6	52,020	50,412	3,322	47,090	1,608	3.1	3.0	10,894
August.....	66,482	55,306	83.2	51,815	50,522	3,223	47,299	1,293	2.5	2.7	11,176
FEMALE											
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	-	35,767
1948.....	53,088	17,351	32.7	17,335	16,618	1,271	15,347	717	4.1	-	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0	-	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7	-	35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4	-	35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6	-	36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	632	3.3	-	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	-	37,247
1955.....	57,610	20,584	35.7	20,548	19,550	1,184	18,367	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8	-	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	-	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	-	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	-	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	-	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	-	38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	-	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	-	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	-	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	-	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	-	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	-	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	-	40,976
1968: August.....	70,367	29,083	41.3	29,044	27,582	756	26,826	1,463	5.0	4.8	41,284
1969: February.....	70,972	29,906	42.1	29,868	28,484	508	27,975	1,384	4.6	4.5	41,066
March.....	71,081	29,938	42.1	29,898	28,613	494	28,119	1,285	4.3	4.6	41,143
April.....	71,186	30,074	42.2	30,035	28,746	589	28,157	1,288	4.3	4.9	41,111
May.....	71,309	29,946	42.0	29,907	28,721	740	27,982	1,185	4.0	4.8	41,362
June.....	71,412	30,879	43.2	30,839	29,019	925	28,094	1,819	5.9	4.7	40,533
July.....	71,540	30,817	43.1	30,778	29,204	834	28,370	1,574	5.1	4.6	40,722
August.....	71,644	30,740	42.9	30,701	29,124	754	28,370	1,577	5.1	4.9	40,905

HOUSEHOLD DATA

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

August 1969
(In thousands)

Age, sex, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALE											
16 years and over	55,306	83.2	51,815	50,522	1,293	2.5	11,176	189	543	1,537	8,907
16 to 21 years	8,433	77.5	6,952	6,432	520	7.5	2,443	23	321	47	2,052
16 to 19 years	5,280	71.8	4,834	4,427	407	8.4	2,069	22	203	28	1,816
16 and 17 years	2,309	61.0	2,273	2,022	251	11.1	1,474	15	97	10	1,353
18 and 19 years	2,971	83.3	2,561	2,405	156	6.1	595	7	107	18	463
20 to 64 years	47,809	93.5	44,764	43,932	834	1.9	3,318	61	340	929	1,987
20 to 24 years	7,534	91.8	5,742	5,505	237	4.1	674	6	226	39	403
25 to 54 years	33,202	96.4	31,952	31,474	478	1.5	1,224	24	112	477	612
25 to 29 years	6,395	97.1	5,916	5,789	127	2.1	188	2	77	26	83
30 to 34 years	5,424	98.2	5,123	5,039	84	1.6	101	6	13	34	48
35 to 39 years	5,284	97.2	5,013	4,971	42	.8	151	1	10	54	86
40 to 44 years	5,658	97.0	5,542	5,455	87	1.6	173	3	6	68	96
45 to 49 years	5,576	95.7	5,514	5,443	72	1.3	248	4	3	124	116
50 to 54 years	4,864	93.1	4,844	4,778	65	1.4	363	6	3	171	183
55 to 64 years	7,074	83.3	7,071	6,953	118	1.7	1,420	31	3	413	973
55 to 59 years	4,192	89.8	4,189	4,112	77	1.8	476	17	3	199	257
60 to 64 years	2,882	75.3	2,882	2,841	41	1.4	944	14	--	214	716
65 years and over	2,217	27.7	2,217	2,164	52	2.4	5,789	106	--	580	5,104
65 to 69 years	1,275	42.1	1,275	1,241	35	2.7	1,754	24	--	161	1,570
70 years and over	941	18.9	941	923	18	1.9	4,034	83	--	419	3,534
WHITE MALE											
16 years and over	49,671	83.4	46,559	45,538	1,021	2.2	9,870	142	468	1,245	8,015
16 to 21 years	7,366	77.8	6,043	5,663	381	6.3	2,101	19	268	39	1,774
16 to 19 years	4,612	72.3	4,217	3,911	306	7.3	1,765	18	163	21	1,563
16 and 17 years	2,007	61.1	1,976	1,783	192	9.7	1,276	13	69	9	1,186
18 and 19 years	2,605	84.2	2,241	2,128	114	5.1	489	6	94	12	377
20 to 64 years	43,022	93.9	40,305	39,636	668	1.7	2,810	45	305	746	1,713
20 to 24 years	6,636	91.7	5,026	4,849	177	3.5	599	5	208	34	351
25 to 54 years	29,909	96.9	28,805	28,408	398	1.4	956	14	97	365	481
25 to 34 years	10,535	97.8	9,852	9,676	176	1.8	235	4	80	53	98
35 to 44 years	9,862	97.7	9,520	9,409	111	1.2	231	4	11	86	129
45 to 54 years	9,512	95.1	9,433	9,322	111	1.2	491	6	6	225	254
55 to 64 years	6,477	83.8	6,474	6,380	94	1.5	1,255	26	1	347	880
55 to 59 years	3,840	90.5	3,837	3,769	68	1.8	401	14	1	161	224
60 to 64 years	2,637	75.5	2,637	2,611	26	1.0	854	12	--	186	656
65 years and over	2,037	27.8	2,037	1,991	47	2.3	5,295	79	--	478	4,739
NONWHITE MALE											
16 years and over	5,635	81.2	5,256	4,984	272	5.2	1,307	47	75	292	893
16 to 21 years	1,067	75.7	908	769	139	15.3	343	4	52	8	279
16 to 19 years	668	68.7	617	516	101	16.4	304	4	40	7	253
16 and 17 years	302	60.4	297	238	59	19.8	198	2	28	1	167
18 and 19 years	365	77.5	320	278	42	13.2	106	2	12	6	86
20 to 64 years	4,788	90.4	4,460	4,295	165	3.7	508	16	34	183	274
20 to 24 years	898	92.3	716	656	60	8.4	75	1	18	5	52
25 to 54 years	3,293	92.5	3,147	3,066	81	2.6	268	10	15	113	130
25 to 34 years	1,284	95.9	1,187	1,151	36	3.0	55	5	9	7	34
35 to 44 years	1,080	92.0	1,035	1,016	19	1.8	94	1	5	36	52
45 to 54 years	929	88.6	925	899	26	2.8	119	5	--	70	44
55 to 64 years	597	78.3	597	573	24	4.0	165	5	2	66	92
55 to 59 years	352	82.4	352	343	9	2.6	75	3	2	37	33
60 to 64 years	245	73.1	245	230	15	5.9	90	2	--	28	60
65 years and over	179	26.6	179	174	6	3.3	494	27	--	102	365

HOUSEHOLD DATA

A- 3: Employment status of the noninstitutional population by age, sex, and color--Continued
August 1969
(In thousands)

Age, sex, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALE											
16 years and over	30,740	42.9	30,701	29,124	1,577	5.1	40,905	35,261	624	876	4,144
16 to 21 years	5,984	56.1	5,963	5,354	609	10.2	4,692	2,024	440	30	2,198
16 to 19 years	3,802	52.9	3,792	3,334	458	12.1	3,391	1,085	298	17	1,990
16 and 17 years	1,567	42.4	1,567	1,363	204	13.0	2,129	486	121	3	1,518
18 and 19 years	2,235	63.9	2,225	1,971	254	11.4	1,262	599	177	14	471
20 to 64 years	25,935	48.2	25,906	24,796	1,110	4.3	27,823	25,760	324	321	1,417
20 to 24 years	4,712	57.7	4,694	4,366	328	7.0	3,458	2,853	229	26	350
25 to 54 years	17,202	47.7	17,191	16,509	682	4.0	18,891	17,786	92	177	838
25 to 29 years	2,868	42.9	2,864	2,711	153	5.4	3,820	3,633	39	21	128
30 to 34 years	2,361	41.4	2,359	2,243	116	4.9	3,338	3,156	24	21	136
35 to 39 years	2,609	46.2	2,607	2,482	126	4.8	3,040	2,861	9	19	151
40 to 44 years	3,077	50.0	3,076	2,957	119	3.9	3,078	2,827	14	30	206
45 to 49 years	3,343	53.5	3,342	3,233	109	3.3	2,908	2,744	4	41	119
50 to 54 years	2,942	52.1	2,942	2,882	59	2.0	2,708	2,564	2	45	97
55 to 64 years	4,021	42.4	4,021	3,921	100	2.5	5,473	5,122	3	118	230
55 to 59 years	2,531	49.4	2,531	2,473	58	2.3	2,594	2,431	3	54	105
60 to 64 years	1,490	34.1	1,490	1,448	42	2.8	2,879	2,691	--	63	125
65 years and over	1,003	9.4	1,003	994	9	.8	9,691	8,416	1	537	737
65 to 69 years	591	16.2	591	587	4	.7	3,060	2,813	--	60	188
70 years and over	412	5.8	412	407	4	1.0	6,631	5,603	2	478	549
WHITE FEMALE											
16 years and over	26,679	41.9	26,644	25,408	1,236	4.6	37,056	32,146	512	695	3,704
16 to 21 years	5,257	57.0	5,238	4,769	469	9.0	3,964	1,662	369	24	1,910
16 to 19 years	3,348	54.0	3,339	2,989	350	10.5	2,846	849	248	13	1,737
16 and 17 years	1,388	43.6	1,388	1,225	163	11.7	1,796	382	95	2	1,318
18 and 19 years	1,960	65.1	1,952	1,764	187	9.6	1,050	467	154	11	419
20 to 64 years	22,426	47.0	22,399	21,522	878	3.9	25,255	23,466	262	242	1,284
20 to 24 years	4,100	57.4	4,084	3,830	254	6.2	3,038	2,519	191	19	310
25 to 54 years	14,704	46.1	14,694	14,155	539	3.7	17,213	16,245	68	138	764
25 to 29 years	4,338	39.9	4,332	4,117	215	5.0	6,522	6,212	43	29	238
30 to 34 years	4,835	46.6	4,832	4,639	193	4.0	5,545	5,151	20	36	338
35 to 44 years	5,531	51.8	5,529	5,399	131	2.4	5,146	4,882	5	72	187
55 to 64 years	3,622	42.0	3,622	3,536	85	2.4	5,003	4,702	4	87	210
55 to 59 years	2,279	49.2	2,279	2,230	49	2.2	2,356	2,226	3	32	94
60 to 64 years	1,342	33.6	1,342	1,306	36	2.7	2,648	2,477	--	54	116
65 years and over	905	9.2	905	897	8	.9	8,955	7,831	2	440	683
NONWHITE FEMALE											
16 years and over	4,061	51.3	4,057	3,716	341	8.4	3,848	3,115	112	181	440
16 to 21 years	728	50.0	725	585	140	19.3	728	362	71	6	288
16 to 19 years	454	45.4	452	345	108	23.8	545	236	50	5	253
16 and 17 years	179	35.0	179	138	41	23.0	332	104	27	1	200
18 and 19 years	275	56.4	273	207	66	24.3	212	132	23	4	53
20 to 64 years	3,510	57.8	3,507	3,274	232	6.6	2,568	2,294	61	78	134
20 to 24 years	612	59.3	610	536	74	12.2	420	334	38	8	40
25 to 54 years	2,498	59.8	2,497	2,354	144	5.8	1,678	1,541	24	39	74
25 to 29 years	891	58.4	891	836	54	6.1	636	577	20	13	26
30 to 34 years	852	59.8	852	800	51	6.0	572	537	3	12	20
35 to 44 years	755	61.7	755	717	38	5.1	469	426	1	14	28
55 to 64 years	400	46.0	400	385	14	3.6	470	419	--	31	19
55 to 59 years	252	51.4	252	243	9	3.6	238	205	--	22	11
60 to 64 years	148	38.9	148	142	5	3.7	231	214	--	9	8
65 years and over	98	11.7	98	97	1	.8	736	585	--	98	53

HOUSEHOLD DATA

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

Age, sex, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
MALE								
16 years and over.....	55,306	54,709	83.2	83.6	51,815	51,159	82.3	82.6
16 to 19 years.....	5,280	5,219	71.8	72.4	4,834	4,785	70.0	70.6
16 and 17 years.....	2,309	2,258	61.0	61.5	2,273	2,232	60.7	61.2
18 and 19 years.....	2,971	2,960	83.3	83.8	2,561	2,553	81.1	81.6
20 to 24 years.....	7,534	7,247	91.8	92.0	5,742	5,426	89.5	89.5
25 to 54 years.....	33,202	32,971	96.4	96.6	31,952	31,679	96.3	96.5
25 to 34 years.....	11,819	11,486	97.6	97.6	11,039	10,693	97.4	97.5
35 to 44 years.....	10,942	11,105	97.1	97.3	10,555	10,701	97.0	97.2
45 to 54 years.....	10,441	10,380	94.5	95.0	10,358	10,285	94.4	94.9
55 to 64 years.....	7,074	7,067	83.3	84.6	7,071	7,063	83.3	84.6
55 to 59 years.....	4,192	4,129	89.8	90.0	4,189	4,125	89.8	90.0
60 to 64 years.....	2,882	2,939	75.3	78.0	2,882	2,938	75.3	78.0
65 years and over.....	2,217	2,205	27.7	27.9	2,217	2,205	27.7	27.9
WHITE MALE								
16 years and over.....	49,671	49,189	83.4	83.8	46,559	46,017	82.5	82.9
16 to 19 years.....	4,612	4,575	72.3	73.0	4,217	4,181	70.5	71.2
16 and 17 years.....	2,007	1,977	61.1	62.0	1,976	1,953	60.8	61.7
18 and 19 years.....	2,605	2,598	84.2	84.4	2,241	2,228	82.1	82.3
20 to 24 years.....	6,636	6,413	91.7	92.0	5,026	4,772	89.3	89.6
25 to 54 years.....	29,909	29,710	96.9	97.1	28,805	28,577	96.8	97.0
25 to 34 years.....	10,535	10,259	97.8	97.9	9,852	9,569	97.7	97.8
35 to 44 years.....	9,862	10,005	97.7	97.7	9,520	9,648	97.6	97.6
45 to 54 years.....	9,512	9,447	95.1	95.5	9,433	9,360	95.1	95.5
55 to 64 years.....	6,477	6,470	83.8	85.1	6,474	6,467	83.8	85.1
55 to 59 years.....	3,840	3,779	90.5	90.6	3,837	3,776	90.5	90.6
60 to 64 years.....	2,637	2,691	75.5	78.3	2,637	2,691	75.5	78.3
65 years and over.....	2,037	2,020	27.8	27.9	6,043	2,020	27.8	27.9
NONWHITE MALE								
16 years and over.....	5,635	5,519	81.2	81.5	5,256	5,142	80.1	80.4
16 to 19 years.....	668	643	68.7	68.3	617	604	66.9	66.9
16 and 17 years.....	302	281	60.4	57.9	297	279	59.9	57.8
18 and 19 years.....	365	362	77.5	79.2	320	325	75.1	77.3
20 to 24 years.....	898	834	92.3	91.3	716	654	90.5	89.2
25 to 54 years.....	3,293	3,260	92.5	92.9	3,147	3,103	92.2	92.7
25 to 34 years.....	1,284	1,228	95.9	95.1	1,187	1,124	95.6	94.7
35 to 44 years.....	1,080	1,100	92.0	93.2	1,035	1,053	91.7	92.9
45 to 54 years.....	929	933	88.6	90.0	925	925	88.6	89.9
55 to 64 years.....	597	597	78.3	79.3	597	597	78.3	79.3
55 to 59 years.....	352	350	82.4	83.4	352	349	82.4	83.3
60 to 64 years.....	245	247	73.1	74.2	245	247	73.1	74.2
65 years and over.....	179	185	26.6	28.1	179	185	26.6	28.1

HOUSEHOLD DATA

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

Age, sex, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
FEMALE								
16 years and over.....	30,740	29,083	42.9	41.3	30,701	29,044	42.9	41.3
16 to 19 years.....	3,802	3,560	52.9	50.6	3,792	3,550	52.8	50.5
16 and 17 years.....	1,567	1,442	42.4	40.3	1,567	1,442	42.4	40.3
18 and 19 years.....	2,235	2,118	63.9	61.3	2,225	2,108	63.8	61.1
20 to 24 years.....	4,712	4,327	57.7	55.4	4,694	4,309	57.6	55.3
25 to 34 years.....	17,202	16,468	47.7	46.1	17,191	16,457	47.6	46.1
25 to 34 years.....	5,229	4,890	42.2	40.7	5,223	4,884	42.2	40.6
35 to 44 years.....	5,687	5,623	48.2	46.9	5,683	5,619	48.2	46.9
45 to 54 years.....	6,286	5,955	52.8	50.7	6,284	5,954	52.8	50.7
55 to 64 years.....	4,021	3,818	42.4	41.0	4,021	3,818	42.4	41.0
55 to 59 years.....	2,531	2,342	49.4	46.6	2,531	2,342	49.4	46.6
60 to 64 years.....	1,490	1,476	34.1	34.5	1,490	1,476	34.1	34.5
65 years and over.....	1,003	910	9.4	8.7	1,003	910	9.4	8.7
WHITE FEMALE								
16 years and over.....	26,679	25,296	41.9	40.4	26,644	25,263	41.8	40.3
16 to 19 years.....	3,348	3,144	54.0	51.8	3,339	3,136	54.0	51.7
16 and 17 years.....	1,388	1,270	43.6	41.2	1,388	1,270	43.6	41.2
18 and 19 years.....	1,960	1,874	65.1	62.8	1,952	1,865	65.0	62.7
20 to 24 years.....	4,100	3,746	57.4	54.7	4,084	3,731	57.3	54.6
25 to 34 years.....	14,704	14,137	46.1	44.7	14,694	14,127	46.1	44.7
25 to 34 years.....	4,338	4,059	39.9	38.5	4,332	4,053	39.9	38.4
35 to 44 years.....	4,835	4,827	46.6	45.7	4,832	4,824	46.6	45.7
45 to 54 years.....	5,531	5,251	51.8	49.8	5,529	5,250	51.8	49.8
55 to 64 years.....	3,622	3,446	42.0	40.8	3,622	3,446	42.0	40.8
55 to 59 years.....	2,279	2,113	49.2	46.5	2,279	2,113	49.2	46.5
60 to 64 years.....	1,342	1,332	33.6	34.1	1,342	1,332	33.6	34.1
65 years and over.....	905	824	9.2	8.5	905	824	9.2	8.5
NONWHITE FEMALE								
16 years and over.....	4,061	3,787	51.3	49.2	4,057	3,782	51.3	49.2
16 to 19 years.....	454	416	45.4	43.0	452	415	45.4	43.0
16 and 17 years.....	179	172	35.0	34.8	179	172	35.0	34.8
18 and 19 years.....	275	244	56.4	51.7	273	243	56.3	51.6
20 to 24 years.....	612	581	59.3	60.3	610	578	59.2	60.2
25 to 34 years.....	2,498	2,331	59.8	56.8	2,497	2,330	59.8	56.8
25 to 34 years.....	891	832	58.4	56.2	891	831	58.3	56.1
35 to 44 years.....	852	796	59.8	55.9	852	796	59.8	55.9
45 to 54 years.....	755	704	61.7	58.7	755	704	61.7	58.7
55 to 64 years.....	400	372	46.0	43.9	400	372	46.0	43.9
55 to 59 years.....	252	229	51.4	48.1	252	229	51.4	48.1
60 to 64 years.....	148	144	38.9	38.5	148	144	38.9	38.5
65 years and over.....	98	88	11.7	10.6	98	86	11.7	10.6

HOUSEHOLD DATA

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex

August 1969
(In thousands)

Employment status	Total			White			Nonwhite		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total noninstitutional population	21,552	10,876	10,676	18,687	9,467	9,221	2,865	1,410	1,455
Total labor force	14,417	8,433	5,984	12,622	7,366	5,257	1,795	1,067	728
Percent of population	66.9	77.5	56.1	67.5	77.8	57.0	62.6	75.7	50.0
Civilian labor force	12,915	6,952	5,963	11,282	6,043	5,238	1,633	908	725
Employed	11,786	6,432	5,354	10,432	5,663	4,769	1,354	769	585
Agriculture	662	548	115	581	483	98	82	65	17
Nonagricultural industries	11,124	5,884	5,239	9,851	5,180	4,672	1,272	705	568
Unemployed	1,129	520	609	850	381	469	279	139	140
Percent of labor force	8.7	7.5	10.2	7.5	6.3	9.0	17.1	15.3	19.3
Looking for full-time work	783	344	439	580	241	339	203	104	99
Looking for part-time work	346	175	171	270	140	130	76	35	41
Not in labor force	7,135	2,443	4,692	6,065	2,101	3,964	1,070	343	728
Major activity: going to school									
Civilian labor force	196	111	85	178	106	72	18	5	13
Employed	168	97	71	155	93	61	13	4	9
Agriculture	3	2	1	3	2	1	--	--	--
Nonagricultural industries	165	96	69	152	92	60	13	4	9
Unemployed	28	14	14	24	13	11	5	1	3
Percent of labor force	14.3	12.5	16.8	13.2	12.0	15.0	25.6	22.3	26.9
Looking for full-time work	18	5	12	14	3	11	4	3	2
Looking for part-time work	10	9	2	10	10	--	--	--	2
Not in labor force	761	321	440	637	268	369	124	52	71
Major activity: other									
Civilian labor force	12,719	6,840	5,878	11,103	5,937	5,166	1,615	903	712
Employed	11,618	6,334	5,283	10,277	5,569	4,708	1,341	765	575
Agriculture	659	546	113	578	481	96	81	65	17
Nonagricultural industries	10,959	5,789	5,170	9,700	5,088	4,612	1,259	701	559
Unemployed	1,101	506	595	826	368	459	275	138	137
Percent of labor force	8.7	7.4	10.1	7.4	6.2	8.9	17.0	15.3	19.2
Looking for full-time work	765	339	426	566	238	328	199	101	98
Looking for part-time work	336	167	169	260	130	130	76	37	39
Not in labor force	6,374	2,123	4,252	5,428	1,832	3,595	947	291	656

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

Employment status and color	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16-19 years	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
	TOTAL							
Total noninstitutional population	138,127	135,839	59,133	58,263	64,452	63,323	14,542	14,243
Total labor force	86,046	83,792	50,026	49,490	26,938	25,523	9,081	8,779
Percent of population	62.3	61.7	84.6	84.9	41.8	40.3	62.4	61.6
Civilian labor force	82,516	80,203	46,981	46,374	26,909	25,494	8,625	8,336
Employed	79,646	77,432	46,096	45,461	25,790	24,458	7,761	7,513
Agriculture	3,977	4,107	2,766	2,859	658	661	552	587
Nonagricultural industries	75,669	73,325	43,329	42,601	25,132	23,797	7,208	6,926
Unemployed	2,869	2,772	886	913	1,119	1,036	865	822
Percent of labor force	3.5	3.5	1.9	2.0	4.2	4.1	10.0	9.9
Not in labor force	52,081	52,047	9,107	8,773	37,514	37,809	5,460	5,464
WHITE								
Total noninstitutional population	123,276	121,372	53,164	52,432	57,541	56,605	12,571	12,334
Total labor force	76,350	74,485	45,059	44,614	23,331	22,152	7,960	7,719
Percent of population	61.9	61.4	84.8	85.1	40.5	39.1	63.3	62.6
Civilian labor force	73,203	71,280	42,342	41,836	23,304	22,127	7,556	7,317
Employed	70,946	69,084	41,627	41,093	22,419	21,296	6,901	6,695
Agriculture	3,549	3,630	2,492	2,556	573	574	483	500
Nonagricultural industries	67,397	65,453	39,135	38,537	21,845	20,722	6,417	6,194
Unemployed	2,257	2,196	715	743	886	831	656	622
Percent of labor force	3.1	3.1	1.7	1.8	3.8	3.8	8.7	8.5
Not in labor force	46,926	46,887	8,105	7,818	34,210	34,453	4,611	4,615
NONWHITE								
Total noninstitutional population	14,851	14,467	5,969	5,831	6,911	6,727	1,970	1,909
Total labor force	9,696	9,306	4,967	4,876	3,608	3,371	1,121	1,059
Percent of population	65.3	64.3	83.2	83.6	52.2	50.1	56.9	55.5
Civilian labor force	9,313	8,924	4,639	4,538	3,605	3,367	1,069	1,019
Employed	8,700	8,348	4,469	4,368	2,371	3,162	860	818
Agriculture	428	477	274	304	85	87	69	86
Nonagricultural industries	8,272	7,871	4,195	4,064	3,286	3,076	791	732
Unemployed	613	575	171	170	233	205	209	200
Percent of labor force	6.6	6.4	3.7	3.8	6.5	6.1	19.5	19.6
Not in labor force	5,155	5,160	1,002	955	3,304	3,356	849	850

HOUSEHOLD DATA

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

August 1969

(In thousands)

Age and sex	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
16 years and over	73,713	68,854	2,607	2,251	3.1	8,803	8,185	618	7.0
16 to 21 years	10,463	8,639	1,041	783	7.5	2,452	2,106	346	14.1
16 to 19 years	6,588	5,137	895	555	8.4	2,038	1,729	309	15.2
16 and 17 years	2,480	1,710	553	217	8.7	1,359	1,121	238	17.5
18 and 19 years	4,108	3,428	341	338	8.2	679	607	71	10.5
20 years and over	67,125	63,717	1,712	1,696	2.5	6,765	6,457	309	4.6
20 to 24 years	9,627	8,833	299	495	5.1	809	739	70	8.7
25 years and over	57,498	54,884	1,414	1,201	2.1	5,956	5,717	238	4.0
25 to 54 years	45,480	43,425	1,066	988	2.2	3,663	3,491	172	4.7
55 years and over	12,019	11,460	347	213	1.8	2,293	2,226	66	2.9
MALE									
16 years and over	48,963	46,537	1,395	1,031	2.1	2,852	2,590	262	9.2
16 to 21 years	5,777	4,836	597	344	6.0	1,174	999	175	14.9
16 to 19 years	3,822	3,052	525	245	6.4	1,012	850	162	16.0
20 years and over	45,141	43,485	870	786	1.7	1,840	1,740	100	5.4
20 to 24 years	5,440	5,073	154	213	3.9	302	278	24	8.1
25 years and over	39,702	38,412	716	573	1.4	1,538	1,462	76	4.9
25 to 54 years	31,484	30,518	517	448	1.4	468	439	29	6.2
55 years and over	8,218	7,894	200	124	1.5	1,070	1,023	47	4.4
FEMALE									
16 years and over	24,750	22,317	1,212	1,221	4.9	5,951	5,595	356	6.0
16 to 21 years	4,685	3,803	444	439	9.4	1,278	1,107	171	13.4
16 to 19 years	2,766	2,085	370	310	11.2	1,026	879	147	14.4
20 years and over	21,984	20,232	842	910	4.1	4,925	4,716	209	4.2
20 to 24 years	4,187	3,759	145	282	6.7	507	461	46	9.1
25 years and over	17,797	16,472	697	628	3.5	4,418	4,254	163	3.7
25 to 54 years	13,996	12,908	550	540	3.9	3,195	3,052	142	4.4
55 years and over	3,801	3,565	148	88	2.3	1,223	1,203	20	1.6

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

HOUSEHOLD DATA

A- 8: Unemployed persons by age and sex

	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
Total, 16 years and over	1,293	1,309	2.5	2.6	1,577	1,463	5.1	5.0
16 to 19 years	407	396	8.4	8.3	458	427	12.1	12.0
16 and 17 years	251	199	11.1	8.9	204	172	13.0	11.9
18 and 19 years	156	197	6.1	7.7	254	255	11.4	12.1
20 years and over	886	913	1.9	2.0	1,119	1,036	4.2	4.1
20 to 24 years	237	263	4.1	4.8	328	323	7.0	7.5
25 years and over	648	651	1.6	1.6	791	713	3.6	3.4
25 to 34 years	211	210	1.9	2.0	269	248	5.2	5.1
35 to 44 years	130	146	1.2	1.4	244	201	4.3	3.6
45 to 54 years	137	134	1.3	1.3	169	162	2.7	2.7
55 to 64 years	118	111	1.7	1.6	100	86	2.5	2.2
55 to 59 years	77	58	1.8	1.4	58	49	2.3	2.1
60 to 64 years	41	52	1.4	1.8	42	36	2.8	2.5
65 years and over	52	50	2.4	2.3	9	16	.8	1.7
Household head, 16 years and over	619	635	1.5	1.5	239	189	3.8	3.2
16 to 24 years	93	85	3.0	2.8	45	23	8.0	4.2
25 to 34 years	367	397	1.2	1.3	148	124	4.2	3.6
55 years and over	160	154	1.8	1.7	45	43	2.1	2.2

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

Marital status, age, and color	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
Total, 16 years and over	1,293	1,309	2.5	2.6	1,577	1,463	5.1	5.0
Married, spouse present	535	568	1.4	1.5	778	721	4.5	4.4
Widowed, divorced, or separated	104	97	3.8	3.8	252	217	4.4	4.0
Single (never married)	654	644	6.4	6.5	547	525	7.0	7.1
Total, 20 to 64 years of age	834	863	1.9	2.0	1,110	1,020	4.3	4.1
Married, spouse present	489	519	1.3	1.4	706	641	4.3	4.1
Widowed, divorced, or separated	85	87	3.6	3.8	226	207	4.5	4.3
Single (never married)	259	257	4.6	4.9	179	171	4.1	4.2
White, 16 years and over	1,021	1,027	2.2	2.3	1,236	1,160	4.6	4.6
Married, spouse present	456	475	1.3	1.3	670	610	4.4	4.2
Widowed, divorced, or separated	74	68	3.4	3.4	162	171	3.6	3.9
Single (never married)	491	494	5.5	5.7	404	379	5.9	5.9
White, 20 to 64 years of age	668	700	1.7	1.8	878	813	3.9	3.8
Married, spouse present	414	431	1.2	1.3	607	540	4.1	3.9
Widowed, divorced, or separated	58	61	3.1	3.4	145	159	3.7	4.1
Single (never married)	196	209	4.0	4.5	125	114	3.3	3.2
Nonwhite, 16 years and over	272	273	5.2	5.3	341	303	8.4	8.0
Married, spouse present	78	93	2.3	2.8	108	111	5.6	6.1
Widowed, divorced, or separated	30	30	5.2	5.5	90	47	7.8	4.5
Single (never married)	163	149	12.5	12.1	143	145	14.5	15.4
Nonwhite, 20 to 64 years of age	165	163	3.7	3.7	232	205	6.6	6.2
Married, spouse present	75	88	2.3	2.7	98	101	5.3	5.8
Widowed, divorced, or separated	26	27	5.0	5.4	81	48	7.6	4.9
Single (never married)	64	48	9.0	7.5	53	56	9.1	9.9

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
Total.....	2,869	2,772	3.5	3.5	2.5	2.6	5.1	5.0
White-collar workers.....	873	769	2.3	2.1	1.2	1.1	3.6	3.3
Professional and technical.....	189	171	1.9	1.7	1.1	1.0	3.2	3.0
Managers, officials, and proprietors.....	85	86	1.0	1.1	.8	.9	2.2	1.9
Clerical workers.....	475	398	3.3	3.0	1.9	1.3	3.8	3.6
Sales workers.....	123	114	2.5	2.3	1.6	1.3	3.7	3.8
Blue-collar workers.....	1,022	1,084	3.3	3.6	2.7	3.2	6.3	5.9
Craftsmen and foremen.....	176	198	1.6	1.9	1.6	1.8	2.6	3.7
Carpenters and other construction craftsmen.....	77	88	2.5	2.8	2.5	2.8	--	(1)
All other.....	99	110	1.3	1.5	1.2	1.4	2.7	3.6
Operatives.....	610	634	3.9	4.2	2.8	3.5	6.2	5.8
Drivers and deliverymen.....	58	85	2.2	3.1	1.9	3.1	(1)	(1)
All other.....	552	549	4.3	4.5	3.1	3.7	6.1	5.9
Nonfarm laborers.....	236	252	5.3	5.7	4.8	5.6	14.6	10.6
Construction laborers.....	76	68	7.3	6.9	7.3	6.9	--	--
All other.....	160	184	4.7	5.4	4.0	5.1	14.9	10.8
Service workers.....	443	399	4.4	4.0	4.2	3.1	4.6	4.6
Private household.....	57	59	3.6	3.5	(1)	(1)	3.5	3.6
All other.....	386	341	4.6	4.2	4.2	3.2	4.9	4.9
Farmers and farm laborers.....	60	78	1.6	2.0	1.5	1.8	2.3	2.9
No previous work experience.....	472	443	--	--	--	--	--	--
16 to 19 years.....	384	360	--	--	--	--	--	--
20 to 24 years.....	60	51	--	--	--	--	--	--
25 years and over.....	28	31	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
Total.....	100.0	100.0	3.5	3.5	2.5	2.6	5.1	5.0
Private wage and salary workers.....	69.9	70.3	3.3	3.3	2.5	2.7	4.7	4.5
Mining.....	.6	.6	3.2	3.0	2.5	3.2	(1)	(1)
Construction.....	6.3	5.9	4.4	4.2	4.4	4.2	5.4	4.1
Manufacturing.....	22.0	25.2	2.8	3.2	1.9	2.4	5.1	5.3
Durable goods.....	11.6	15.1	2.5	3.3	2.0	2.8	4.4	5.1
Primary metal industries.....	1.1	1.5	2.4	3.1	2.2	2.8	4.1	(1)
Fabricated metal products.....	1.9	1.7	3.1	2.6	2.4	2.3	5.4	3.7
Machinery.....	1.3	2.3	1.6	2.9	1.3	2.1	3.2	7.1
Electrical equipment.....	2.4	2.0	3.2	2.7	1.7	1.7	5.3	4.3
Motor vehicles and equipment.....	1.4	2.8	3.1	7.1	3.2	7.2	2.2	5.7
All other transportation equipment.....	.9	1.0	2.1	2.1	1.7	1.5	4.3	5.5
Other durable goods industries.....	2.5	3.7	2.5	3.7	2.0	3.1	4.0	5.4
Nondurable goods.....	10.4	10.1	3.3	3.1	1.8	1.7	5.6	5.4
Food and kindred products.....	2.7	2.4	3.8	3.3	2.7	2.3	6.9	5.9
Textile mill products.....	1.7	1.7	4.5	4.4	2.7	1.0	6.6	8.0
Apparel and other finished textile products.....	2.6	2.2	5.3	4.3	4.0	1.4	5.6	5.2
Other nondurable goods industries.....	3.4	3.9	2.1	2.4	1.0	1.6	4.7	4.3
Transportation and public utilities.....	3.1	3.4	1.9	2.1	1.4	1.9	3.6	3.1
Railroads and railway express.....	.4	.2	1.5	.7	1.6	.5	--	(1)
Other transportation.....	1.3	2.2	1.9	3.1	1.9	3.1	1.9	3.0
Communication and other public utilities.....	1.4	1.0	2.0	1.6	.6	.9	4.6	3.0
Wholesale and retail trade.....	19.2	17.4	4.1	3.7	3.1	2.7	5.5	5.1
Finance, insurance, and real estate.....	2.3	2.2	1.8	1.7	.9	1.3	2.7	2.2
Service industries.....	16.5	15.7	4.0	3.8	3.4	3.4	4.3	4.1
Professional services.....	5.2	5.7	2.8	3.1	1.9	2.1	3.2	3.6
All other service industries.....	11.3	10.0	5.0	4.4	4.4	4.2	5.5	4.5
Agricultural wage and salary workers.....	2.6	3.1	5.1	5.6	4.5	5.1	7.5	8.5
All other classes of workers.....	11.0	10.6	1.6	1.5	.9	.9	2.7	2.5
No previous work experience.....	16.5	16.0	--	--	--	--	--	--

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

HOUSEHOLD DATA

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

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Nonwhite	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	2,869	2,772	886	913	1,119	1,036	865	822	2,257	2,196	613	575
Lost last job	894	965	469	534	310	282	115	150	684	767	210	199
Left last job	507	493	192	163	196	215	119	115	418	400	89	93
Reentered labor force	997	870	200	205	549	468	248	197	803	694	194	176
Never worked before	471	443	24	11	64	71	383	361	352	335	119	108
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	31.2	34.8	53.0	58.4	27.6	27.2	13.4	18.2	30.2	34.9	34.3	34.5
Left last job	17.7	17.8	21.7	17.9	17.5	20.8	13.8	13.9	18.5	18.2	14.5	16.2
Reentered labor force	34.7	31.4	22.6	22.5	49.1	45.1	28.7	23.9	35.6	31.6	31.6	30.5
Never worked before	16.4	16.0	2.7	1.2	5.7	6.9	44.3	43.9	15.6	15.3	19.5	18.8
UNEMPLOYMENT RATE												
Total unemployment rate	3.5	3.5	1.9	2.0	4.2	4.1	10.0	9.9	3.1	3.1	6.6	6.4
Job-loser rate ¹	1.0	1.2	1.0	1.2	1.1	1.1	1.3	1.8	.9	1.0	2.3	2.2
Job-leaver rate ¹ . . . . .	.6	.6	.4	.4	.7	.8	1.4	1.4	.6	.6	1.0	1.0
Reentrant rate ¹	1.2	1.1	.4	.4	2.0	1.8	2.9	2.4	2.1	1.0	2.1	2.0
New entrant rate ¹ . . . . .	.6	.6	.1	--	.2	.3	4.4	4.3	.5	.5	1.3	1.2

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

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

August 1969
(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	2,869	100.0	55.8	33.4	10.9	6.3	4.6
Lost last job	894	100.0	52.8	29.9	17.4	10.1	7.3
Left last job	507	100.0	63.3	25.2	11.4	6.5	4.9
Reentered labor force	997	100.0	61.1	30.9	8.0	4.4	3.6
Never worked before	471	100.0	41.8	53.9	4.3	3.0	1.3
Male, 20 years and over	886	100.0	50.8	32.6	16.6	8.8	7.8
Lost last job	469	100.0	50.9	30.1	19.0	11.1	7.9
Left last job	192	100.0	53.6	36.1	10.3	6.7	3.6
Reentered labor force	200	100.0	49.3	35.3	15.5	5.5	10.0
Never worked before	24	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,119	100.0	61.3	26.2	12.5	7.8	4.7
Lost last job	310	100.0	51.5	30.4	18.1	10.7	7.4
Left last job	196	100.0	64.5	19.3	16.2	9.6	6.6
Reentered labor force	549	100.0	65.5	26.1	8.4	5.5	2.9
Never worked before	64	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years	865	100.0	53.6	43.4	3.0	1.8	1.2
Lost last job	115	100.0	64.3	27.8	7.8	4.3	3.5
Left last job	119	100.0	75.2	19.0	5.8	.8	5.0
Reentered labor force	248	100.0	61.3	37.9	.8	.8	--
Never worked before	383	100.0	38.0	59.4	2.6	2.3	.3

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

HOUSEHOLD DATA

A-14: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
Total.....	2,869	2,772	100.0	100.0	858	824	100.0	100.0
Less than 5 weeks.....	1,600	1,593	55.8	57.5	450	459	52.5	55.8
5 to 14 weeks.....	957	851	33.4	30.7	271	215	31.6	26.1
5 to 10 weeks.....	742	635	25.9	22.9	212	170	24.7	20.7
11 to 14 weeks.....	215	216	7.5	7.8	59	45	6.9	5.5
15 weeks and over.....	313	328	10.9	11.8	136	149	15.9	18.1
15 to 26 weeks.....	181	175	6.3	6.3	77	75	9.0	9.1
27 weeks and over.....	131	153	4.6	5.5	59	74	6.9	9.0
Average (mean) duration.....	7.7	8.1	--	--	9.0	10.1	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status August 1969

Sex, age, color, and marital status	Thousands of persons					Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
Total	2,869	1,600	957	181	131	55.8	57.5	10.9	11.8
16 to 21 years.....	1,129	640	439	26	23	56.7	57.5	4.4	6.5
16 to 19 years.....	865	464	375	16	10	53.7	57.6	3.0	4.4
20 to 24 years.....	566	363	151	31	20	64.2	61.5	9.0	9.9
25 to 44 years.....	854	495	247	68	44	58.0	59.6	13.1	14.5
45 years and over.....	585	278	184	65	58	47.6	50.0	21.0	20.9
Male	1,293	669	469	84	71	51.8	56.3	12.0	13.6
16 to 21 years.....	520	890	215	8	7	55.7	58.3	3.0	6.1
16 to 19 years.....	407	219	180	6	2	53.9	58.6	2.0	5.0
20 to 24 years.....	237	143	69	17	9	60.1	62.3	10.9	7.6
25 to 44 years.....	341	181	111	25	24	53.1	59.6	14.4	15.7
45 years and over.....	307	127	109	35	36	41.2	43.6	23.3	27.8
Female	1,577	931	488	97	61	59.0	58.6	10.0	10.3
16 to 21 years.....	609	351	224	19	16	57.5	56.9	5.6	6.8
16 to 19 years.....	458	245	195	10	8	53.4	56.7	3.9	3.8
20 to 24 years.....	328	221	83	15	11	67.2	60.8	7.7	11.8
25 to 44 years.....	513	314	136	42	21	61.2	59.7	12.3	13.8
45 years and over.....	277	151	75	30	21	54.6	57.1	18.5	13.2
White: Total	2,257	1,301	713	137	106	57.7	58.1	10.7	12.9
Male.....	1,021	540	357	66	58	52.9	56.3	12.1	15.2
Female.....	1,236	761	356	71	47	61.6	59.7	9.6	10.9
Nonwhite: Total	613	299	244	44	26	48.8	54.9	11.4	7.7
Male.....	272	129	112	18	13	47.7	55.9	11.3	7.3
Female.....	341	169	132	26	13	49.7	54.1	11.6	8.1
Male: Married, wife present	535	267	188	42	37	50.0	55.8	14.9	18.8
Widowed, divorced, or separated.....	104	51	20	22	11	49.4	46.3	31.5	17.0
Single (never married).....	654	351	261	19	23	53.6	58.1	6.5	8.4
Female: Married, husband present	778	490	202	53	33	63.0	62.7	11.1	10.9
Widowed, divorced, or separated.....	252	159	57	27	9	63.2	59.7	14.2	14.7
Single (never married).....	547	281	230	17	19	51.4	52.4	6.6	7.7

HOUSEHOLD DATA

A-16: Unemployed persons by duration, occupation, and industry of last job
August 1969

Occupation and industry	Thousands of persons					Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Aug.	Aug.	Aug.	Aug.
						1969	1968	1969	1968
OCCUPATION									
White-collar workers	873	509	250	68	45	58.4	58.2	13.0	13.2
Professional and managerial	274	135	98	24	17	49.3	52.1	15.0	16.3
Clerical workers	475	301	126	30	18	63.3	63.4	10.1	11.5
Sales workers	123	74	26	13	10	59.8	53.3	19.1	10.9
Blue-collar workers	1,022	607	286	72	56	59.4	61.0	12.6	13.2
Craftsmen and foremen	176	106	49	11	10	59.9	58.4	12.4	20.2
Operatives	610	356	174	46	33	58.4	60.8	13.0	12.8
Nonfarm laborers	236	146	63	14	13	61.8	63.6	11.4	8.6
Service workers	443	258	137	24	23	58.3	56.7	10.7	11.9
INDUSTRY ¹									
Agriculture	74	36	33	4	1	(2)	(2)	(2)	(2)
Construction	188	120	49	11	8	63.8	65.0	9.9	14.9
Manufacturing	635	382	167	54	33	60.2	59.7	13.6	13.2
Durable goods	335	195	89	35	15	58.2	59.1	15.2	13.4
Nondurable goods	300	187	78	18	17	62.4	60.6	11.8	13.0
Transportation and public utilities	98	54	33	2	10	(2)	62.2	(2)	11.3
Wholesale and retail trade	559	343	144	36	36	61.4	59.7	12.9	13.3
Finance and service industries	703	398	226	52	26	56.6	58.2	11.1	10.8
Public administration	87	42	31	6	8	(2)	(2)	(2)	(2)
No previous work experience	472	197	255	14	6	41.6	46.0	4.3	7.2

¹Includes wage and salary workers only.

²Percent not shown where base is less than 100,000

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

Age and type of industry	Total		Male		Female	
	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.
	1969	1968	1969	1968	1969	1968
All industries	79,432	77,432	50,522	49,850	29,124	27,582
16 to 19 years	7,761	7,513	4,427	4,389	3,334	3,124
16 and 17 years	3,384	3,303	2,022	2,033	1,363	1,270
18 and 19 years	4,376	4,210	2,405	2,357	1,971	1,854
20 to 24 years	9,871	9,151	5,505	5,164	4,366	3,987
25 to 54 years	47,982	47,034	31,474	31,189	16,509	15,845
25 to 34 years	15,781	15,119	10,827	10,483	4,954	4,636
35 to 44 years	15,865	15,973	10,426	10,555	5,439	5,418
45 to 54 years	16,337	15,942	10,221	10,151	6,115	5,791
55 to 64 years	10,874	10,685	6,953	6,953	3,921	3,732
55 to 59 years	6,585	6,359	4,112	4,067	2,473	2,293
60 to 64 years	4,289	4,326	2,841	2,886	1,448	1,440
65 years and over	3,158	3,049	2,164	2,155	994	894
Nonagricultural industries	75,699	73,325	47,299	46,499	28,370	26,826
16 to 19 years	7,208	6,926	3,970	3,897	3,238	3,029
16 and 17 years	3,034	2,932	1,730	1,727	1,304	1,205
18 and 19 years	4,174	3,995	2,240	2,171	1,934	1,824
20 to 24 years	9,634	8,865	5,307	4,922	4,327	3,943
25 to 54 years	46,024	45,033	29,977	29,634	16,047	15,399
25 to 34 years	15,256	14,611	10,426	10,097	4,830	4,515
35 to 44 years	15,207	15,289	9,923	10,024	5,284	5,265
45 to 54 years	15,561	15,133	9,628	9,513	5,933	5,619
55 to 64 years	10,140	9,931	6,324	6,325	3,816	3,606
55 to 59 years	6,198	5,947	3,796	3,736	2,402	2,211
60 to 64 years	3,942	3,985	2,528	2,589	1,414	1,396
65 years and over	2,663	2,569	1,721	1,721	942	848
Agriculture	3,977	4,107	3,223	3,351	754	756
16 to 19 years	552	587	457	492	96	95
16 and 17 years	350	371	291	306	59	65
18 and 19 years	203	216	165	186	37	30
20 to 24 years	237	286	198	242	39	44
25 to 54 years	1,958	2,000	1,497	1,555	461	446
25 to 34 years	525	508	401	387	124	121
35 to 44 years	658	684	503	531	155	153
45 to 54 years	775	809	593	637	182	172
55 to 64 years	734	754	629	628	106	126
55 to 59 years	387	413	316	331	71	82
60 to 64 years	347	341	313	297	35	44
65 years and over	496	480	443	434	52	46

HOUSEHOLD DATA

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

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 15-19 years		Female, 16-19 years	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
Total	79,646	77,432	46,096	45,461	25,790	24,458	4,427	4,389	3,334	3,124
White-collar workers	36,604	35,301	18,701	18,384	15,242	14,464	787	767	1,873	1,686
Professional and technical	10,004	9,705	6,369	6,150	3,366	3,316	121	121	148	118
Medical and other health	1,703	1,621	728	655	939	935	6	2	30	30
Teachers, except college.....	1,699	1,683	504	484	1,185	1,188	2	4	8	7
Other professional and technical	6,602	6,401	5,137	5,011	1,242	1,193	113	115	110	81
Managers, officials, and proprietors	8,077	7,941	6,715	6,586	1,307	1,309	37	36	19	10
Salaried workers	5,666	5,557	4,740	4,671	878	845	31	31	17	10
Self-employed workers in retail trade.....	1,171	1,144	898	858	268	286	3	--	2	--
Self-employed workers, except retail trade	1,240	1,241	1,077	1,058	161	178	2	5	--	--
Clerical workers	13,744	12,895	3,171	3,106	8,846	8,198	387	346	1,340	1,245
Stenographers, typists, and secretaries.....	3,554	3,401	59	37	3,086	2,974	15	5	394	385
Other clerical workers	10,190	9,494	3,112	3,069	5,759	5,224	372	341	946	860
Sales workers.....	4,779	4,759	2,446	2,541	1,724	1,641	242	264	367	313
Retail trade.....	2,934	2,867	864	972	1,497	1,400	214	198	359	298
Other sales workers	1,845	1,892	1,582	1,570	227	241	28	66	8	15
Blue-collar workers	29,896	28,905	22,134	21,562	4,755	4,422	2,607	2,581	401	340
Craftsmen and foremen	10,678	10,413	9,934	9,679	358	330	375	393	11	10
Carpenters	903	937	868	895	1	1	32	40	2	--
Construction craftsmen, except carpenters	2,094	2,069	1,986	1,955	7	12	100	101	--	1
Mechanics and repairmen	2,858	2,755	2,673	2,562	41	30	145	162	--	1
Metal craftsmen, except mechanics	1,252	1,235	1,217	1,188	14	20	20	28	1	--
Other craftsmen and kindred workers	2,011	1,974	1,753	1,762	181	151	71	53	6	9
Foremen, not elsewhere classified	1,559	1,444	1,437	1,318	114	116	6	11	2	--
Operatives	14,997	14,361 ¹	9,329	9,062	4,255	3,981	1,059	1,029	354	288
Drivers and deliverymen	2,613	2,664	2,401	2,425	57	68	151	170	4	2
Other operatives	12,384	11,697	6,928	6,638	4,198	3,912	909	859	350	286
Durable goods manufacturing	5,214	4,754	3,436	3,189	1,400	1,219	281	257	97	88
Nondurable goods manufacturing	4,127	4,085	1,660	1,668	2,091	2,061	202	218	174	137
Other industries	3,043	2,858	1,832	1,781	707	632	426	384	79	61
Nonfarm laborers	4,221	4,131	2,872	2,820	142	111	1,173	1,159	35	41
Construction	969	921	712	701	4	2	253	217	--	2
Manufacturing	1,182	1,200	885	913	82	66	210	203	5	18
Other industries	2,070	2,010	1,275	1,207	55	43	709	739	30	20
Service workers	9,508	9,472	2,717	2,888	5,196	4,969	615	606	980	1,008
Private household workers	1,523	1,609	27	26	1,188	1,258	12	13	296	312
Service workers, except private household	7,985	7,863	2,689	2,863	4,008	3,711	603	593	685	696
Protective service workers	1,047	1,096	923	969	42	33	61	69	21	25
Waiters, cooks, and bartenders	2,096	2,124	377	441	1,269	1,224	139	119	312	340
Other service workers	4,842	4,642	1,389	1,453	2,698	2,454	404	405	352	330
Farm workers	3,638	3,754	2,544	2,626	596	603	418	435	80	90
Farmers and farm managers	1,933	1,966	1,837	1,860	79	85	17	21	1	--
Farm laborers and foremen	1,704	1,788	707	766	517	518	401	414	79	90
Paid workers	1,122	1,151	659	702	153	135	269	257	42	57
Unpaid family workers	582	637	48	64	364	383	132	158	37	33

HOUSEHOLD DATA

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
TOTAL						
Total employed (thousands)	79,646	77,432	50,522	49,850	29,124	27,582
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	46.0	45.6	38.6	38.4	58.8	58.6
Professional and technical	12.6	12.5	12.8	12.6	12.1	12.4
Managers, officials, and proprietors	10.1	10.3	13.4	13.3	4.6	4.8
Clerical workers	17.3	16.7	7.0	6.9	35.0	34.2
Sales workers	6.0	6.1	5.3	5.6	7.2	7.1
Blue-collar workers	37.5	37.3	49.0	48.4	17.7	17.3
Craftsmen and foremen	13.4	13.4	20.4	20.2	1.3	1.2
Operatives	18.8	18.5	20.6	20.2	15.8	15.5
Nonfarm laborers	5.3	5.3	8.0	8.0	.6	.6
Service workers	11.9	12.2	6.6	7.0	21.2	21.7
Private household workers	1.9	2.1	.1	.1	5.1	5.7
Other service workers	10.0	10.2	6.5	6.9	16.1	16.0
Farm workers	4.6	4.8	5.9	6.1	2.3	2.5
Farmers and farm managers	2.4	2.5	3.7	3.8	.3	.3
Farm laborers and foremen	2.1	2.3	2.2	2.4	2.0	2.2
WHITE						
Total employed (thousands)	70,946	69,084	45,538	44,981	25,408	24,103
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	48.4	48.2	40.5	40.7	62.5	62.3
Professional and technical	13.2	13.1	13.5	13.3	12.5	12.9
Managers, officials, and proprietors	11.0	11.2	14.4	14.4	5.0	5.2
Clerical workers	17.7	17.2	6.9	6.9	37.1	36.5
Sales workers	6.5	6.6	5.7	6.0	7.9	7.8
Blue-collar workers	36.8	36.6	47.7	47.1	17.3	17.1
Craftsmen and foremen	14.0	14.1	21.1	20.9	1.3	1.3
Operatives	18.2	18.0	19.8	19.4	15.4	15.3
Nonfarm laborers	4.6	4.6	6.9	6.8	.6	.5
Service workers	10.2	10.4	5.9	6.2	18.0	18.2
Private household workers	1.2	1.3	.1	(1)	3.2	3.5
Other service workers	9.1	9.1	5.8	6.1	14.8	14.6
Farm workers	4.6	4.8	5.8	6.1	2.3	2.4
Farmers and farm managers	2.6	2.7	3.9	4.0	.3	.3
Farm laborers and foremen	2.0	2.1	1.9	2.1	2.0	2.1
NONWHITE						
Total employed (thousands)	8,700	8,348	4,984	4,869	3,716	3,479
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	26.3	23.8	20.8	17.7	33.6	32.5
Professional and technical	7.6	7.5	6.5	6.0	9.1	9.5
Managers, officials, and proprietors	3.0	2.5	4.3	3.0	1.3	1.6
Clerical workers	13.6	11.9	8.3	6.8	20.7	18.9
Sales workers	2.1	2.1	1.8	1.8	2.5	2.5
Blue-collar workers	43.3	43.2	60.2	60.7	20.5	18.6
Craftsmen and foremen	8.7	8.2	14.4	13.5	1.1	.8
Operatives	23.8	23.3	27.7	27.8	18.5	17.0
Nonfarm laborers	10.8	11.6	18.1	19.3	.9	.8
Service workers	25.9	27.7	12.9	14.8	43.4	45.8
Private household workers	7.9	8.8	.2	.4	18.3	20.6
Other service workers	17.9	18.9	12.6	14.4	25.1	25.2
Farm workers	4.6	5.3	6.1	6.9	2.6	3.1
Farmers and farm managers	1.0	1.2	1.6	2.1	.2	.1
Farm laborers and foremen	3.6	4.1	4.5	4.8	2.4	3.0

¹Less than 0.05.

HOUSEHOLD DATA

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

August 1969
(In thousands)

Age and sex	Nonagricultural industries						Agriculture		
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total	69,795	1,759	11,503	56,534	5,329	545	1,394	1,981	602
16 to 19 years.....	7,093	399	803	5,891	47	68	354	25	174
16 and 17 years.....	2,966	327	341	2,298	22	47	228	13	109
18 and 19 years.....	4,127	72	462	3,594	26	21	126	12	65
20 to 24 years.....	9,468	80	1,380	8,009	149	17	146	45	46
25 to 34 years.....	14,435	149	2,357	11,929	759	62	235	216	75
35 to 44 years.....	13,878	231	2,298	11,350	1,208	121	224	331	103
45 to 54 years.....	13,981	319	2,672	10,990	1,412	168	183	481	111
55 to 64 years.....	8,853	344	1,714	6,796	1,194	93	167	491	76
55 to 59 years.....	5,444	182	1,099	4,163	699	55	94	242	51
60 to 64 years.....	3,409	162	615	2,633	495	38	73	249	25
65 years and over.....	2,086	238	280	1,569	560	16	86	392	18
Male	43,131	238	6,601	36,292	4,091	78	1,144	1,896	183
16 to 19 years.....	3,881	99	413	3,369	35	54	301	22	133
16 and 17 years.....	1,673	79	189	1,404	19	39	196	12	84
18 and 19 years.....	2,208	20	223	1,965	16	15	106	10	50
20 to 24 years.....	5,204	7	619	4,579	93	9	119	45	34
25 to 34 years.....	9,841	11	1,416	8,414	586	--	186	208	7
35 to 44 years.....	8,943	19	1,386	7,538	976	4	177	323	3
45 to 54 years.....	8,545	27	1,576	6,942	1,082	1	136	456	--
55 to 64 years.....	5,403	30	1,001	4,372	916	5	153	474	2
55 to 59 years.....	3,261	19	658	2,584	531	4	85	232	--
60 to 64 years.....	2,142	11	343	1,788	385	1	68	243	2
65 years and over.....	1,313	44	191	1,078	403	5	73	368	3
Female	26,664	1,521	4,901	20,242	1,238	468	250	85	419
16 to 19 years.....	3,213	300	390	2,522	12	14	52	3	40
16 and 17 years.....	1,293	248	152	894	3	8	32	2	25
18 and 19 years.....	1,919	52	238	1,629	9	6	20	2	15
20 to 24 years.....	4,264	72	761	3,430	55	8	27	--	12
25 to 34 years.....	4,594	138	941	3,515	173	63	48	8	68
35 to 44 years.....	4,936	212	912	3,812	231	117	47	8	100
45 to 54 years.....	5,436	292	1,095	4,048	330	167	46	25	111
55 to 64 years.....	3,450	313	713	2,424	278	88	15	17	74
55 to 59 years.....	2,183	162	441	1,579	168	51	9	11	51
60 to 64 years.....	1,267	151	272	844	110	37	5	6	23
65 years and over.....	773	194	89	491	158	11	13	24	15

HOUSEHOLD DATA

A-21: Employed persons with a job but not at work by reason, pay status, and sex

(In thousands)

Reason not working	All industries		Nonagricultural industries					
	Aug. 1969	Aug. 1968	Total		Wage and salary workers ¹			
			Aug. 1969	Aug. 1968	Paid absence ²		Unpaid absence ²	
					Aug. 1969	Aug. 1968	Aug. 1969	Aug. 1968
Total	9,446	8,852	9,289	8,684	5,625	5,199	3,084	2,925
Vacation	7,411	6,943	7,351	6,870	5,098	4,728	1,878	1,779
Illness	1,153	1,094	1,108	1,053	343	324	656	610
Bad weather	29	33	11	17	--	--	--	--
Industrial dispute	124	93	124	92	--	--	--	--
All other reasons	729	689	694	653	184	146	549	536
Male	5,127	4,813	4,978	4,663	3,494	3,223	1,163	1,129
Vacation	3,888	3,707	3,831	3,640	3,107	2,897	517	552
Illness	733	695	691	657	252	230	374	356
All other reasons	506	411	456	366	135	96	273	221
Female	4,319	4,039	4,312	4,021	2,132	1,974	1,922	1,796
Vacation	3,523	3,237	3,520	3,230	1,992	1,831	1,361	1,228
Illness	420	400	417	396	92	93	284	254
All other reasons	376	402	375	395	48	50	277	314

¹Excludes private household.

²Pay status not available separately for Bad weather and Industrial dispute; these categories are included in All other reasons.

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

August 1969

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	70,200	66,380	3,820	100.0	100.0	100.0
1-34 hours	13,269	12,222	1,046	18.9	18.4	27.4
1-4 hours	530	494	36	.8	.7	.9
5-14 hours	2,349	2,089	260	3.3	3.1	6.8
15-29 hours	6,477	5,913	563	9.2	8.9	14.7
30-34 hours	3,913	3,726	187	5.6	5.6	4.9
35 hours and over	56,930	54,157	2,773	81.1	81.6	72.6
35-39 hours	4,794	4,642	151	6.8	7.0	4.0
40 hours	29,853	29,470	384	42.5	44.4	10.1
41 hours and over	22,283	20,045	2,238	31.7	30.2	58.6
41 to 48 hours	9,147	8,815	332	13.0	13.3	8.7
49 to 59 hours	6,680	6,201	479	9.5	9.3	12.5
60 hours and over	6,456	5,029	1,427	9.2	7.6	37.4
Average hours, total at work	41.0	40.4	49.4	--	--	--
Average hours, workers on full-time schedules	44.3	43.5	58.4	--	--	--

HOUSEHOLD DATA

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

August 1969
(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	13,269	5,000	8,269	12,222	4,668	7,554
Economic reasons	2,607	1,236	1,371	2,323	1,088	1,235
Slack work	1,097	835	262	912	698	214
Material shortages or repairs to plant and equipment	89	89	--	86	86	--
New job started during week	188	188	--	183	183	--
Job terminated during week	124	124	--	120	120	--
Could find only part-time work	1,109	--	1,109	1,021	--	1,021
Other reasons	10,660	3,762	6,898	9,899	3,580	6,319
Does not want, or unavailable for, full-time work	4,877	--	4,877	4,512	--	4,512
Vacation	993	993	--	957	957	--
Illness	1,394	1,094	300	1,284	1,053	231
Bad weather	272	272	--	230	230	--
Industrial dispute	29	29	--	29	29	--
Legal or religious holiday	198	198	--	196	196	--
Full time for this job	1,194	--	1,194	1,135	--	1,135
All other reasons	1,704	1,177	527	1,557	1,116	441
Average hours:						
Economic reasons	20.8	22.9	18.9	21.0	23.2	19.1
Other reasons	21.5	25.8	19.2	21.7	26.0	19.3
Worked 30 to 34 hours:						
Economic reasons	676	414	262	633	376	257
Other reasons	3,237	1,884	1,353	3,093	1,819	1,274

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

August 1969

Industry	Percent distribution							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total ¹	100.0	3.5	9.5	87.0	56.8	13.3	16.9	40.4	43.5
Wage and salary workers	100.0	3.5	9.1	87.4	59.4	13.5	14.5	39.9	42.8
Construction	100.0	4.4	3.8	91.8	62.4	12.6	16.8	40.6	42.4
Manufacturing	100.0	2.7	2.2	95.0	64.4	16.9	13.7	41.5	42.5
Durable goods	100.0	1.9	1.6	96.5	65.1	17.6	13.8	41.8	42.5
Nondurable goods	100.0	4.0	3.1	92.9	63.5	15.9	13.5	41.1	42.5
Transportation and public utilities	100.0	2.4	4.0	93.7	62.1	12.5	19.1	42.4	43.9
Wholesale and retail trade	100.0	4.6	16.7	78.7	46.6	15.1	17.0	39.0	44.0
Finance, insurance, and real estate	100.0	1.4	8.0	90.5	67.5	10.4	12.6	39.6	41.6
Service industries	100.0	4.9	18.4	76.7	54.5	9.9	12.3	36.9	42.6
Private households	100.0	15.2	44.0	40.8	24.5	7.4	8.9	26.6	44.6
All other service	100.0	3.5	14.8	81.7	58.7	10.2	12.8	38.4	42.5
Public administration	100.0	1.5	3.3	95.2	75.0	8.8	11.4	40.8	41.8
Self-employed workers	100.0	3.6	11.7	84.8	28.2	10.7	45.9	47.1	52.4
Unpaid family workers	100.0	3.1	36.1	60.8	23.9	10.1	26.8	40.5	51.1

¹ Mining not shown separately but included in totals.

HOUSEHOLD DATA

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

August 1969

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
(In thousands)								
TOTAL								
Total, 16 years and over.....	63,380	2,323	6,319	57,738	37,693	20,045	40.4	43.5
16 to 21 years.....	10,580	950	1,826	7,804	5,846	1,958	35.7	41.5
16 to 19 years.....	6,904	814	1,500	4,590	3,458	1,132	33.9	41.4
16 and 17 years.....	2,901	501	954	1,446	1,110	336	29.5	41.0
18 and 19 years.....	4,002	313	546	3,143	2,348	795	37.1	41.5
20 years and over.....	59,476	1,508	4,820	53,148	34,235	18,913	41.2	43.7
20 to 24 years.....	8,795	279	629	7,887	5,637	2,250	39.8	42.1
25 years and over.....	50,681	1,231	4,191	45,259	28,597	16,662	41.4	44.0
25 to 44 years.....	26,566	625	1,664	24,277	15,007	9,270	42.1	44.2
45 to 64 years.....	21,806	536	1,680	19,590	12,732	6,858	41.3	43.7
65 years and over.....	2,309	70	846	1,393	857	536	33.7	44.8
Males, 16 years and over	42,322	1,180	1,966	39,176	22,761	16,415	43.1	44.9
16 to 21 years.....	5,627	524	854	4,249	2,843	1,406	37.1	42.6
16 to 19 years.....	3,808	457	729	2,622	810	1,812	35.3	42.2
16 and 17 years.....	1,659	307	476	876	636	240	30.9	41.7
18 and 19 years.....	2,150	150	253	1,747	1,177	570	38.7	42.5
20 years and over.....	38,513	723	1,238	36,552	20,947	15,605	43.8	45.1
20 to 24 years.....	4,939	141	236	4,562	2,828	1,734	41.9	43.6
25 years and over.....	33,574	582	1,001	31,991	18,121	13,870	44.1	45.3
25 to 44 years.....	18,205	310	200	17,695	9,662	8,033	45.0	45.6
45 to 64 years.....	13,850	229	317	13,304	7,862	5,442	43.9	44.9
65 years and over.....	1,521	44	484	993	600	393	35.2	44.9
Females, 16 years and over	24,058	1,142	4,353	18,563	14,934	3,629	35.9	40.7
16 to 21 years.....	4,953	426	971	3,556	3,004	552	34.1	40.1
16 to 19 years.....	3,095	357	771	1,967	1,645	322	32.3	40.2
16 and 17 years.....	1,243	193	478	572	475	97	27.6	40.1
18 and 19 years.....	1,853	163	293	1,397	1,172	225	35.4	40.3
20 years and over.....	20,963	785	3,582	16,596	13,288	3,308	36.4	40.8
20 to 24 years.....	3,856	138	393	3,325	2,809	516	37.2	39.9
25 years and over.....	17,107	647	3,189	13,271	10,479	2,792	36.2	41.0
25 to 44 years.....	8,363	315	1,465	6,583	5,348	1,235	36.1	40.6
45 to 64 years.....	7,957	306	1,363	6,288	4,874	1,414	36.9	41.2
65 years and over.....	788	25	361	402	259	143	30.8	44.7
COLOR								
Total White.....	59,039	1,834	5,597	51,608	32,972	18,636	40.8	43.8
Male.....	38,075	933	1,771	35,371	20,007	15,364	43.4	45.2
Female.....	20,964	901	3,826	16,237	12,967	3,270	36.0	40.8
Total Nonwhite.....	7,341	489	722	6,130	4,721	1,409	38.0	41.6
Male.....	4,247	247	195	3,805	2,754	1,051	40.1	42.4
Female.....	3,095	241	527	2,327	1,968	359	35.0	40.2
MARITAL STATUS								
Male:								
Married, wife present.....	31,929	511	797	30,621	16,974	13,647	44.4	45.4
Widowed, divorced, or separated.....	2,213	93	158	1,962	1,227	735	40.9	43.7
Single (never married).....	8,180	577	1,012	6,591	4,556	2,035	38.4	42.8
Female:								
Married, husband present.....	13,007	498	2,662	9,847	7,991	1,856	35.5	40.5
Widowed, divorced, or separated.....	4,674	207	705	3,762	2,834	928	37.3	41.7
Single (never married).....	6,377	438	985	4,954	4,110	844	35.5	40.3

HOUSEHOLD DATA

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

August 1969

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules		
				Total	40 hours or less	41 hours or more
(Percent distribution)						
TOTAL						
Total, 16 years and over.....	100.0	3.5	9.5	87.0	56.8	30.2
16 to 21 years.....	100.0	9.0	17.3	73.8	55.3	18.5
16 to 19 years.....	100.0	11.8	21.7	66.5	50.1	16.4
16 and 17 years.....	100.0	17.3	32.9	49.9	38.3	11.6
18 and 19 years.....	100.0	7.8	13.6	78.6	58.7	19.9
20 years and over.....	100.0	2.5	8.1	89.4	57.6	31.8
20 to 24 years.....	100.0	3.2	7.2	89.7	64.1	25.6
25 years and over.....	100.0	2.4	8.3	89.3	56.4	32.9
25 to 44 years.....	100.0	2.4	6.3	91.4	56.5	34.9
45 to 64 years.....	100.0	2.5	7.7	89.9	58.4	31.5
65 years and over.....	100.0	3.0	36.6	60.3	37.1	23.2
Males, 16 years and over.....	100.0	2.8	4.6	92.6	53.8	38.8
16 to 21 years.....	100.0	9.3	15.2	75.5	50.5	25.0
16 to 19 years.....	100.0	12.0	19.1	68.8	21.3	47.5
16 and 17 years.....	100.0	18.5	28.7	52.8	38.3	14.5
18 and 19 years.....	100.0	7.0	11.8	81.2	54.7	26.5
20 years and over.....	100.0	1.9	3.2	94.9	54.4	40.5
20 to 24 years.....	100.0	2.9	4.8	92.4	57.3	35.1
25 years and over.....	100.0	1.7	3.0	95.3	54.0	41.3
25 to 44 years.....	100.0	1.7	1.1	97.2	53.1	44.1
45 to 64 years.....	100.0	1.7	2.3	96.1	56.8	39.3
65 years and over.....	100.0	2.9	31.8	65.2	39.4	25.8
Females, 16 years and over.....	100.0	4.7	18.1	77.2	62.1	15.1
16 to 21 years.....	100.0	8.6	19.6	71.8	60.7	11.1
16 to 19 years.....	100.0	11.5	24.9	63.6	53.2	10.4
16 and 17 years.....	100.0	15.5	38.5	46.0	38.2	7.8
18 and 19 years.....	100.0	8.8	15.8	75.3	63.2	12.1
20 years and over.....	100.0	3.7	17.1	79.2	63.4	15.8
20 to 24 years.....	100.0	3.6	10.2	86.2	72.8	13.4
25 years and over.....	100.0	3.8	18.6	77.6	61.3	16.3
25 to 44 years.....	100.0	3.8	17.5	78.7	63.9	14.8
45 to 64 years.....	100.0	3.8	17.1	79.1	61.3	17.8
65 years and over.....	100.0	3.2	45.8	51.0	32.9	18.1
COLOR						
Total White.....	100.0	3.1	9.5	87.4	55.8	31.6
Male.....	100.0	2.5	4.7	92.9	52.5	40.4
Female.....	100.0	4.3	18.3	77.5	61.9	15.6
Total Nonwhite.....	100.0	6.7	9.8	83.5	64.3	19.2
Male.....	100.0	5.8	4.6	89.5	64.8	24.7
Female.....	100.0	7.8	17.0	75.2	63.6	11.6
MARITAL STATUS						
Male:						
Married, wife present.....	100.0	1.6	2.5	95.9	53.2	42.7
Widowed, divorced, or separated.....	100.0	4.2	7.1	88.6	55.4	33.2
Single (never married).....	100.0	7.1	12.4	80.6	55.7	24.9
Female:						
Married, husband present.....	100.0	3.8	20.5	75.7	61.4	14.3
Widowed, divorced, or separated.....	100.0	4.4	15.1	80.5	60.6	19.9
Single (never married).....	100.0	6.9	15.4	77.7	64.5	13.2

HOUSEHOLD DATA

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

August 1969

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		
TOTAL									
White-collar workers.....	31,197	555	3,178	27,464	17,969	3,459	6,036	41.1	44.0
Professional and technical.....	7,320	85	653	6,582	4,401	763	1,418	41.2	43.7
Managers, officials, and proprietors.....	7,306	55	264	6,987	2,839	1,027	3,121	48.3	49.7
Clerical workers.....	12,284	266	1,412	10,606	8,820	1,127	659	37.6	40.3
Sales workers.....	4,288	150	849	3,289	1,907	542	840	38.6	44.4
Blue-collar workers.....	27,056	1,214	1,208	24,634	15,883	4,467	4,284	41.2	43.1
Craftsmen and foremen.....	9,588	230	247	9,111	5,536	1,773	1,802	42.7	43.8
Operatives.....	13,509	650	545	12,314	8,048	2,208	2,058	41.2	43.0
Nonfarm laborers.....	3,959	335	416	3,208	2,298	485	425	37.5	41.9
Service workers.....	8,450	566	1,983	5,901	3,955	931	1,015	35.9	43.4
Private household.....	1,406	189	629	588	354	99	135	27.2	44.8
Other service workers.....	7,043	378	1,354	5,311	3,599	832	880	37.6	43.2
MALE									
White-collar workers.....	17,155	171	739	16,245	8,654	2,366	5,225	45.0	46.4
Professional and technical.....	5,355	48	265	5,042	3,160	611	1,271	43.1	44.6
Managers, officials, and proprietors.....	6,121	38	123	5,960	2,262	896	2,802	49.3	50.1
Clerical workers.....	3,204	50	160	2,994	2,131	461	402	40.9	42.3
Sales workers.....	2,476	34	190	2,252	1,106	398	748	43.7	46.0
Blue-collar workers.....	22,424	883	874	20,667	12,677	3,880	4,110	41.9	43.8
Craftsmen and foremen.....	9,264	213	208	8,843	5,333	1,729	1,781	42.8	43.9
Operatives.....	9,366	345	282	8,739	5,148	1,679	1,912	42.8	44.3
Nonfarm laborers.....	3,793	326	384	3,083	2,194	471	418	37.6	41.9
Service workers.....	2,995	135	375	2,485	1,522	416	547	40.6	44.9
Private household.....	33	5	9	19	9	5	5	32.8	45.7
Other service workers.....	2,962	130	367	2,465	1,513	411	541	40.7	44.9
FEMALE									
White-collar workers.....	14,043	384	2,439	11,220	9,316	1,093	811	36.4	40.5
Professional and technical.....	1,965	36	387	1,542	1,245	151	146	35.9	40.9
Managers, officials, and proprietors.....	1,185	16	141	1,028	579	132	317	43.4	46.9
Clerical workers.....	9,080	216	1,251	7,613	6,690	666	257	36.5	39.5
Sales workers.....	1,812	117	659	1,036	800	144	92	31.7	40.7
Blue-collar workers.....	4,633	330	333	3,970	3,208	588	174	37.4	39.9
Craftsmen and foremen.....	324	17	38	269	205	44	20	37.6	40.9
Operatives.....	4,143	304	262	3,577	2,901	529	147	37.5	39.8
Nonfarm laborers.....	165	9	33	123	102	14	7	34.7	40.5
Service workers.....	5,455	432	1,608	3,415	2,433	515	467	33.2	42.3
Private household.....	1,373	184	620	569	346	94	129	27.1	44.8
Other service workers.....	4,081	249	988	2,844	2,084	421	339	35.3	41.8

HOUSEHOLD DATA

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

August 1969

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			
				Total	40 hours or less	41 to 48 hours	49 hours or more
(Percent distribution)							
TOTAL							
White-collar workers	100.0	1.8	10.2	88.0	57.6	11.1	19.3
Professional and technical	100.0	1.2	8.9	89.9	60.1	10.4	19.4
Managers, officials, and proprietors	100.0	.8	3.6	95.7	38.9	14.1	42.7
Clerical workers	100.0	2.2	11.5	86.4	71.8	9.2	5.4
Sales workers	100.0	3.5	19.8	76.7	44.5	12.6	19.6
Blue-collar workers	100.0	4.5	4.5	91.0	58.7	16.5	15.8
Craftsmen and foremen	100.0	2.4	2.6	95.0	57.7	18.5	18.8
Operatives	100.0	4.8	4.0	91.1	59.6	16.3	15.2
Nonfarm laborers	100.0	8.5	10.5	81.0	58.0	12.3	10.7
Service workers	100.0	6.7	23.5	69.8	46.8	11.0	12.0
Private household	100.0	13.4	44.7	41.8	25.2	7.0	9.6
Other service workers	100.0	5.4	19.2	75.4	51.1	11.8	12.5
MALE							
White-collar workers	100.0	1.0	4.3	94.7	50.4	13.8	30.5
Professional and technical	100.0	.9	4.9	94.1	59.0	11.4	23.7
Managers, officials, and proprietors	100.0	.6	2.0	97.4	37.0	14.6	45.8
Clerical workers	100.0	1.6	5.0	93.4	66.5	14.4	12.5
Sales workers	100.0	1.4	7.7	91.0	44.7	16.1	30.2
Blue-collar workers	100.0	3.9	3.9	92.1	56.5	17.3	18.3
Craftsmen and foremen	100.0	2.3	2.2	95.5	57.6	18.7	19.2
Operatives	100.0	3.7	3.0	93.3	55.0	17.9	20.4
Nonfarm laborers	100.0	8.6	10.1	81.2	57.8	12.4	11.0
Service workers	100.0	4.5	12.5	83.0	50.8	13.9	18.3
Private household	100.0	15.2	27.3	57.7	27.3	15.2	15.2
Other service workers	100.0	4.4	12.4	83.3	51.1	13.9	18.3
FEMALE							
White-collar workers	100.0	2.7	17.4	79.9	66.3	7.8	5.8
Professional and technical	100.0	1.8	19.7	78.5	63.4	7.7	7.4
Managers, officials, and proprietors	100.0	1.4	11.9	86.8	48.9	11.1	26.8
Clerical workers	100.0	2.4	13.8	83.8	73.7	7.3	2.8
Sales workers	100.0	6.5	36.4	57.2	44.2	7.9	5.1
Blue-collar workers	100.0	7.1	7.2	85.7	69.2	12.7	3.8
Craftsmen and foremen	100.0	5.2	11.7	83.1	63.3	13.6	6.2
Operatives	100.0	7.3	6.3	86.3	70.0	12.8	3.5
Nonfarm laborers	100.0	5.5	20.0	74.5	61.8	8.5	4.2
Service workers	100.0	7.9	29.5	62.6	44.6	9.4	8.6
Private household	100.0	13.4	45.2	41.4	25.2	6.8	9.4
Other service workers	100.0	6.1	24.2	69.7	51.1	10.3	8.3

HOUSEHOLD DATA

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

August 1969

(In thousands)

Employment status	Total			White			Nonwhite		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Civilian noninstitutional population.....	7,865	3,985	3,880	6,765	3,439	3,326	1,100	546	554
Civilian labor force.....	2,103	1,344	759	1,874	1,193	681	229	150	78
Employed.....	1,935	1,223	712	1,749	1,103	647	185	120	65
Agriculture.....	378	285	93	344	265	79	35	20	14
Nonagricultural industries.....	1,556	937	619	1,406	838	568	151	100	51
Unemployed.....	168	121	47	125	91	34	43	30	13
Not in labor force.....	5,762	2,642	3,120	4,891	2,246	2,645	872	396	476
Keeping house.....	424	23	401	331	21	309	93	1	92
Going to school.....	276	125	150	198	96	102	78	29	49
Unable to work.....	14	10	4	9	9	--	5	1	4
All other reasons.....	5,049	2,484	2,565	4,353	2,119	2,234	696	364	331

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

August 1969

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,935	1,223	712	100.0	100.0	100.0
Nonagricultural industries.....	1,556	937	619	80.5	76.8	86.8
Wage and salary workers.....	1,431	839	592	74.0	68.7	83.0
Private household workers.....	614	231	383	31.7	18.9	53.7
Government workers.....	96	62	34	5.0	5.1	4.8
Other wage and salary workers.....	721	546	175	37.3	44.7	24.5
Self-employed workers.....	78	65	14	4.0	5.3	2.0
Unpaid family workers.....	47	34	13	2.4	2.8	1.8
Agriculture.....	378	285	93	19.5	23.2	13.2
Wage and salary workers.....	223	168	55	11.5	13.7	7.7
Self-employed workers.....	18	17	1	.9	1.4	.1
Unpaid family workers.....	137	99	38	7.1	8.1	5.3
OCCUPATION						
Total.....	1,935	1,223	712	100.0	100.0	100.0
White-collar workers.....	336	235	101	17.4	19.2	14.3
Professional and technical.....	20	12	8	1.0	1.0	1.1
Managers, officials, and proprietors.....	3	3	--	.2	.2	--
Clerical workers.....	84	27	57	4.3	2.2	8.0
Sales workers.....	230	193	37	11.9	15.8	5.2
Blue-collar workers.....	561	529	32	29.0	43.2	4.6
Craftsmen and foremen.....	30	28	2	1.6	2.3	.3
Operatives.....	105	86	19	5.4	7.0	2.7
Nonfarm laborers.....	426	414	12	22.0	33.9	1.7
Service workers.....	685	195	490	35.4	16.0	68.7
Private household workers.....	382	9	373	19.7	.7	52.3
Other service workers.....	303	186	117	15.7	15.2	16.4
Farm workers.....	352	263	88	18.2	21.6	12.3
Farmers and farm managers.....	8	7	1	.4	.6	.1
Farm laborers and foremen.....	344	257	87	17.8	21.0	12.2

HOUSEHOLD DATA

SEASONALLY ADJUSTED

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

(In thousands)

Employment status, sex, and age	1969								1968					
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	
Total														
Total labor force	84,584	84,277	83,957	83,593	83,966	83,999	83,831	83,351	82,868	82,559	82,403	82,438	82,338	
Civilian labor force	81,054	80,756	80,433	80,071	80,450	80,495	80,356	79,874	79,368	79,042	78,800	78,847	78,749	
Employed	78,187	77,874	77,671	77,265	77,605	77,767	77,729	77,229	76,765	76,388	76,002	76,000	75,973	
Agriculture	3,634	3,551	3,705	3,805	3,664	3,732	3,881	3,752	3,842	3,706	3,525	3,651	3,751	
Nonagricultural industries	74,553	74,323	73,966	73,460	73,941	74,035	73,848	73,477	72,923	72,682	72,477	72,349	72,222	
On part time for economic reasons	2,001	1,795	1,874	1,688	1,670	1,801	1,638	1,605	1,673	1,711	1,687	1,743	1,810	
Usually work full time	1,065	881	1,030	862	858	979	870	805	872	852	907	974	974	
Usually work part time	936	914	844	826	812	822	768	800	801	859	780	769	836	
Unemployed	2,867	2,882	2,762	2,806	2,845	2,728	2,627	2,645	2,603	2,654	2,798	2,847	2,776	
Men, 20 years and over														
Total labor force	49,552	49,389	49,304	49,267	49,286	49,378	49,336	49,189	49,132	48,926	48,911	48,981	49,023	
Civilian labor force	46,507	46,322	46,206	46,171	46,195	46,297	46,280	46,131	46,093	45,871	45,782	45,863	45,906	
Employed	45,551	45,293	45,260	45,227	45,285	45,422	45,422	45,231	45,254	44,940	44,773	44,858	44,921	
Agriculture	2,693	2,646	2,676	2,731	2,681	2,706	2,732	2,680	2,763	2,753	2,656	2,711	2,784	
Nonagricultural industries	42,858	42,647	42,584	42,496	42,604	42,716	42,690	42,551	42,491	42,187	42,117	42,147	42,137	
Unemployed	956	1,029	946	944	910	875	858	900	839	931	1,009	1,005	985	
Women, 20 years and over														
Civilian labor force	27,677	27,511	27,262	27,049	27,205	27,189	27,230	26,950	26,737	26,630	26,480	26,394	26,216	
Employed	26,622	26,505	26,251	26,046	26,169	26,228	26,264	25,999	25,802	25,702	25,495	25,375	25,240	
Agriculture	578	540	617	627	609	638	731	691	722	621	541	550	580	
Nonagricultural industries	26,044	25,965	25,634	25,419	25,560	25,590	25,533	25,308	25,080	25,081	24,954	24,825	24,660	
Unemployed	1,055	1,006	1,011	1,003	1,036	961	966	951	935	928	985	1,019	976	
Both sexes, 16-19 years														
Civilian labor force	6,870	6,923	6,965	6,851	7,050	7,009	6,846	6,793	6,538	6,541	6,538	6,590	6,627	
Employed	6,014	6,076	6,160	5,992	6,151	6,117	6,043	5,999	5,709	5,746	5,734	5,767	5,812	
Agriculture	363	365	412	447	374	388	418	381	357	332	328	390	387	
Nonagricultural industries	5,651	5,711	5,748	5,545	5,777	5,729	5,625	5,618	5,352	5,414	5,406	5,377	5,425	
Unemployed	856	847	805	859	899	892	803	794	829	795	804	823	815	

NOTE: Because of the independent seasonal adjustment of the various series, detail for the household data shown in tables A-29 through A-36 will not necessarily add to totals.

Table 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	1969								1968					
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	
Full time														
Total, 16 years and over:														
Civilian labor force	70,108	69,818	69,434	69,177	69,389	69,332	69,427	67,918	68,809	68,556	68,310	68,237	68,426	
Employed	67,948	67,653	67,269	67,042	67,167	67,287	67,390	65,860	66,902	66,548	66,249	66,143	66,282	
Unemployed	2,160	2,165	2,165	2,136	2,222	2,045	2,037	2,058	1,907	2,008	2,061	2,094	2,144	
Unemployment rate	3.1	3.1	3.1	3.1	3.2	2.9	2.9	3.0	2.8	2.9	3.0	3.1	3.1	
Men, 20 years and over:														
Civilian labor force	44,306	44,201	44,129	44,090	44,093	44,166	44,218	43,177	44,064	43,870	43,818	43,853	43,988	
Employed	43,472	43,303	43,255	43,246	43,251	43,376	43,465	42,367	43,319	43,030	42,905	42,949	43,098	
Unemployed	834	898	874	844	842	790	753	810	745	840	913	904	890	
Unemployment rate	1.9	2.0	2.0	1.9	1.9	1.8	1.7	1.9	1.7	1.9	2.1	2.1	2.0	
Women, 20 years and over:														
Civilian labor force	21,992	21,781	21,558	21,489	21,562	21,527	21,523	21,139	21,201	21,126	20,960	20,739	20,764	
Employed	21,125	20,984	20,722	20,681	20,710	20,726	20,735	20,423	20,460	20,378	20,240	20,013	19,961	
Unemployed	867	797	836	808	852	801	788	716	741	748	720	726	803	
Unemployment rate	3.9	3.7	3.9	3.8	4.0	3.7	3.7	3.4	3.5	3.5	3.4	3.5	3.9	
Part time														
Total, 16 years and over:														
Civilian labor force	10,978	10,885	10,914	10,764	10,984	10,994	10,815	11,075	10,681	10,566	10,458	10,602	10,392	
Employed	10,236	10,185	10,342	10,078	10,323	10,322	10,187	10,403	9,953	9,895	9,824	9,938	9,736	
Unemployed	742	700	572	686	661	672	628	672	728	671	634	664	656	
Unemployment rate	6.8	6.4	5.2	6.4	6.0	6.1	5.8	6.1	6.8	6.4	6.1	6.3	6.3	

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

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

Characteristics	1969								1968				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
White													
Total:													
Civilian labor force	71,837	71,657	71,437	71,137	71,589	71,688	71,475	71,101	70,669	70,444	70,050	70,133	69,934
Employed	69,548	69,350	69,275	68,915	69,366	69,494	69,376	68,984	68,584	68,332	67,899	67,878	67,700
Unemployed	2,289	2,307	2,162	2,222	2,223	2,194	2,099	2,117	2,088	2,112	2,151	2,255	2,234
Unemployment rate	3.2	3.2	3.0	3.1	3.1	3.1	2.9	3.0	3.0	3.0	3.1	3.2	3.2
Males, 20 years and over:													
Civilian labor force	41,876	41,704	41,614	41,547	41,674	41,765	41,749	41,601	41,618	41,384	41,282	41,360	41,380
Employed	41,093	40,850	40,835	40,759	40,938	41,029	41,038	40,878	40,943	40,616	40,474	40,537	40,566
Unemployed	783	854	779	788	736	736	711	723	675	768	808	823	814
Unemployment rate	1.9	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.9	2.0	2.0	2.0
Females, 20 years and over:													
Civilian labor force	23,953	23,866	23,686	23,530	23,656	23,681	23,656	23,466	23,208	23,230	22,976	22,923	22,743
Employed	23,112	23,084	22,885	22,750	22,877	22,936	22,879	22,683	22,476	22,480	22,227	22,129	21,955
Unemployed	841	782	801	780	779	745	777	783	732	750	749	794	788
Unemployment rate	3.5	3.3	3.4	3.3	3.3	3.1	3.3	3.3	3.2	3.2	3.3	3.5	3.5
Both sexes, 16 to 19 years:													
Civilian labor force	6,008	6,087	6,137	6,060	6,259	6,242	6,070	6,034	5,843	5,830	5,792	5,850	5,811
Employed	5,343	5,416	5,555	5,406	5,551	5,529	5,459	5,423	5,162	5,236	5,198	5,212	5,179
Unemployed	665	671	582	654	708	713	611	611	681	594	594	638	632
Unemployment rate	11.1	11.0	9.5	10.8	11.3	11.4	10.1	10.1	11.7	10.2	10.3	10.9	10.9
Nonwhite													
Total:													
Civilian labor force	9,114	8,928	8,879	8,790	8,892	8,952	8,946	8,942	8,855	8,689	8,629	8,578	8,731
Employed	8,520	8,353	8,255	8,221	8,276	8,416	8,435	8,402	8,323	8,120	7,997	8,012	8,175
Unemployed	594	575	624	569	616	536	511	540	532	569	632	566	556
Unemployment rate	6.5	6.4	7.0	6.5	6.9	6.0	5.7	6.0	6.0	6.5	7.3	6.6	6.4
Males, 20 years and over:													
Civilian labor force	4,626	4,574	4,567	4,551	4,516	4,566	4,563	4,559	4,544	4,509	4,466	4,505	4,524
Employed	4,456	4,402	4,384	4,395	4,347	4,422	4,417	4,384	4,387	4,341	4,258	4,328	4,355
Unemployed	170	172	183	156	169	144	146	175	157	168	208	177	169
Unemployment rate	3.7	3.8	4.0	3.4	3.7	3.2	3.2	3.8	3.5	3.7	4.7	3.9	3.7
Females, 20 years and over:													
Civilian labor force	3,658	3,555	3,526	3,469	3,579	3,559	3,583	3,561	3,534	3,445	3,424	3,369	3,417
Employed	3,422	3,330	3,310	3,270	3,320	3,346	3,394	3,384	3,330	3,242	3,215	3,162	3,210
Unemployed	236	225	216	199	259	213	189	177	204	203	209	207	207
Unemployment rate	6.5	6.3	6.1	5.7	7.2	6.0	5.3	5.0	5.8	5.9	6.1	6.1	6.1
Both sexes, 16 to 19 years:													
Civilian labor force	830	799	786	770	797	827	800	822	777	735	739	704	790
Employed	642	621	561	556	609	648	624	634	606	537	524	522	610
Unemployed	188	178	225	214	188	179	176	188	171	198	215	182	180
Unemployment rate	22.7	22.3	28.6	27.8	23.6	21.6	22.0	22.9	22.0	26.9	29.1	25.9	22.8

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-32: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1969								1968				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Total (all civilian workers)	3.5	3.6	3.4	3.5	3.5	3.4	3.3	3.3	3.3	3.4	3.6	3.6	3.5
Men, 20 years and over	2.1	2.2	2.0	2.0	2.0	1.9	1.9	2.0	1.8	2.0	2.2	2.2	2.1
Women, 20 years and over	3.8	3.7	3.7	3.7	3.8	3.5	3.5	3.5	3.5	3.5	3.7	3.9	3.7
Both sexes, 16-19 years	12.5	12.2	11.6	12.5	12.8	12.7	11.7	11.7	12.7	12.2	12.3	12.5	12.3
White workers	3.2	3.2	3.0	3.1	3.1	3.1	2.9	3.0	3.0	3.0	3.1	3.2	3.2
Nonwhite workers	6.5	6.4	7.0	6.5	6.9	6.0	5.7	6.0	6.0	6.5	7.3	6.6	6.4
Married men	1.5	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6
Full-time workers	3.1	3.1	3.1	3.1	3.2	2.9	2.8	2.9	2.7	3.0	3.0	3.0	3.1
Part-time workers	6.8	6.4	5.2	6.4	6.0	6.1	5.8	6.1	6.8	6.4	6.1	6.3	6.3
Unemployed 15 weeks and over ¹ . . . . .	.5	.5	.5	.5	.5	.4	.4	.4	.4	.4	.5	.5	.5
State insured ²	2.1	2.2	2.1	2.0	2.1	2.1	2.2	2.1	2.0	2.2	2.1	2.2	2.3
Labor force time lost ³	4.1	4.1	3.9	3.5	3.7	3.7	3.6	3.6	3.6	3.8	3.9	4.0	4.0
Occupation													
White-collar workers	2.2	2.2	2.1	1.9	1.8	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0
Professional and technical	1.3	1.5	1.3	1.4	1.1	1.2	1.1	.9	1.1	1.1	1.3	1.3	1.2
Managers, officials, and proprietors	1.0	.8	1.0	.9	.8	.9	.9	1.1	.9	1.0	1.2	1.0	1.0
Clerical workers	3.3	3.2	3.0	2.8	2.4	3.1	2.7	3.0	2.7	3.1	2.6	3.1	2.9
Sales workers	2.9	3.3	2.9	2.6	3.3	2.9	3.3	2.6	2.9	2.5	3.2	2.5	2.7
Blue-collar workers	3.8	3.8	3.7	3.8	4.1	3.7	3.6	3.8	3.6	3.9	4.0	4.1	4.2
Craftsmen and foremen	2.2	1.9	1.9	2.4	2.2	2.2	2.1	2.1	1.9	2.3	2.2	2.4	2.5
Operatives	4.1	4.2	4.3	4.0	4.6	3.9	4.2	4.2	4.2	4.3	4.3	4.5	4.5
Nonfarm laborers	6.9	7.5	5.9	6.4	6.8	7.0	5.5	6.6	6.1	6.8	7.3	6.9	7.5
Service workers	4.5	4.3	4.5	4.2	4.5	3.8	3.8	4.2	4.2	4.2	4.7	4.4	4.1
Farm workers	2.0	2.9	2.0	1.7	1.9	2.1	1.1	1.5	1.7	1.3	2.0	2.3	2.5
Industry													
Private wage and salary workers ⁴	3.6	3.6	3.5	3.5	3.6	3.4	3.3	3.4	3.3	3.4	3.6	3.6	3.6
Construction	7.4	5.7	5.0	5.5	6.2	6.2	5.5	5.5	5.4	6.5	6.0	5.7	6.9
Manufacturing	2.9	3.2	3.3	3.1	3.2	3.1	2.9	3.2	2.8	3.2	3.4	3.3	3.3
Durable goods	2.3	3.2	3.3	2.9	3.0	2.7	2.4	2.7	2.6	3.1	3.2	3.1	3.0
Nondurable goods	3.8	3.2	3.3	3.4	3.4	3.7	3.6	3.9	3.3	3.3	3.6	3.6	3.6
Transportation and public utilities	2.0	1.9	1.9	2.8	2.3	2.4	1.8	1.8	1.6	2.1	2.2	2.6	2.2
Wholesale and retail trade	4.4	4.1	4.2	3.9	4.2	3.8	3.9	3.8	4.1	3.9	4.0	4.0	3.9
Finance and service industries	3.5	3.7	3.2	3.4	3.3	2.9	3.1	3.1	3.2	3.0	3.4	3.3	3.3
Government wage and salary workers	1.9	1.9	1.8	1.7	1.6	1.6	1.7	1.8	1.7	1.8	1.7	2.0	1.7
Agricultural wage and salary workers	7.0	9.1	5.5	4.9	5.7	5.9	4.1	5.8	5.7	4.5	5.8	7.6	7.8

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

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

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

⁴Includes mining, not shown separately.

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-33: Unemployed persons by duration of unemployment, seasonally adjusted

(In thousands)

Duration of unemployment	1969								1968				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Less than 5 weeks	1,636	1,677	1,591	1,777	1,724	1,646	1,436	1,476	1,363	1,576	1,542	1,631	1,629
5 to 14 weeks	861	830	813	629	737	757	829	741	825	785	892	811	765
15 weeks and over	382	419	383	409	393	355	346	316	322	348	381	373	400
15 to 26 weeks	244	244	258	278	254	237	237	193	177	221	253	235	238
27 weeks and over	138	175	125	131	139	118	109	123	145	127	128	138	162

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

Age and sex	1969								1968				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Total, 16 years and over	3.5	3.6	3.4	3.5	3.5	3.4	3.3	3.3	3.3	3.4	3.6	3.6	3.5
16 to 19 years	12.5	12.2	11.6	12.5	12.8	12.7	11.7	11.7	12.7	12.2	12.3	12.5	12.3
16 and 17 years	16.1	14.7	13.4	13.8	14.5	14.0	13.1	13.5	15.0	13.7	14.6	14.4	13.8
18 and 19 years	9.9	10.4	10.0	11.8	11.5	11.6	11.1	10.5	10.9	10.5	10.8	11.2	11.2
20 to 24 years	5.4	5.9	5.3	5.4	5.7	5.3	5.5	5.2	5.3	5.9	6.1	5.9	6.0
25 years and over	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.1	2.2	2.3	2.2
25 to 54 years	2.4	2.3	2.3	2.3	2.3	2.2	2.0	2.2	2.0	2.2	2.3	2.3	2.3
55 years and over	2.0	2.1	2.0	1.7	2.0	1.9	2.0	1.9	2.1	2.1	2.1	2.1	2.0
Males, 16 years and over	2.7	3.0	2.7	2.7	2.7	2.6	2.6	2.7	2.6	2.7	2.9	2.8	2.8
16 to 19 years	11.1	12.0	10.4	11.0	11.4	11.5	11.0	11.8	11.6	11.3	11.7	10.9	10.9
16 and 17 years	15.7	14.7	12.7	13.9	12.6	12.9	12.5	13.2	14.2	13.7	14.1	12.9	12.8
18 and 19 years	7.6	10.0	8.3	8.8	10.4	10.2	9.5	10.6	9.5	8.6	10.0	9.3	9.5
20 to 24 years	4.5	5.5	4.8	4.8	4.7	4.5	4.9	5.0	4.2	4.7	5.7	5.2	5.3
25 years and over	1.7	1.8	1.6	1.7	1.6	1.6	1.5	1.6	1.5	1.7	1.8	1.8	1.8
25 to 54 years	1.7	1.7	1.6	1.8	1.6	1.5	1.4	1.5	1.4	1.7	1.7	1.7	1.7
55 years and over	2.0	2.0	1.8	1.6	1.7	1.8	1.7	1.9	1.9	2.0	2.0	2.1	1.9
Females, 16 years and over	4.9	4.6	4.7	4.8	4.9	4.6	4.5	4.3	4.5	4.4	4.6	4.9	4.8
16 to 19 years	14.1	12.5	12.9	14.5	14.5	14.3	12.7	11.6	14.1	13.3	13.1	14.4	14.0
16 and 17 years	16.7	14.8	14.3	13.5	16.9	15.6	13.9	14.0	16.2	13.7	15.3	16.6	15.4
18 and 19 years	12.3	10.8	11.9	15.2	12.7	13.3	13.0	10.4	12.6	12.8	11.8	13.3	13.1
20 to 24 years	6.4	6.3	5.9	6.1	6.8	6.3	6.1	5.5	6.5	7.2	6.6	6.8	6.8
25 years and over	3.3	3.2	3.3	3.1	3.2	3.0	3.1	3.2	2.9	2.9	3.1	3.1	3.1
25 to 54 years	3.6	3.5	3.6	3.4	3.6	3.3	3.2	3.4	3.1	3.1	3.3	3.5	3.4
55 years and over	2.1	2.3	2.3	1.8	2.4	1.9	2.5	1.9	2.4	2.5	2.4	2.1	2.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-35: Employed persons by age and sex, seasonally adjusted

(In thousands)

Age and sex	1969								1968				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
Total													
16 years and over	78,187	77,874	77,671	77,265	77,605	77,767	77,729	77,229	76,765	76,388	76,002	76,000	75,973
16 to 19 years	6,014	6,076	6,160	5,992	6,151	6,117	6,043	5,999	5,709	5,746	5,734	5,767	5,812
16 and 17 years	2,457	2,509	2,548	2,512	2,652	2,660	2,570	2,524	2,394	2,373	2,366	2,373	2,396
18 and 19 years	3,526	3,509	3,594	3,443	3,518	3,533	3,492	3,527	3,364	3,387	3,370	3,374	3,390
20 to 24 years	9,493	9,365	9,384	9,176	9,237	9,222	9,165	9,026	8,955	8,914	8,827	8,832	8,791
25 years and over	62,671	62,387	62,096	62,101	62,203	62,416	62,552	62,217	62,121	61,777	61,438	61,384	61,385
25 to 54 years	48,471	48,259	48,047	48,056	48,106	48,326	48,466	48,366	48,127	47,811	47,517	47,551	47,499
55 years and over	14,156	14,022	13,954	13,992	14,131	14,160	14,113	13,973	14,016	13,931	13,846	13,810	13,847
Male													
16 years and over	48,864	48,638	48,653	48,609	48,766	48,919	48,875	48,686	48,579	48,235	48,030	48,120	48,203
16 to 19 years	3,313	3,345	3,393	3,382	3,481	3,497	3,453	3,455	3,325	3,295	3,257	3,262	3,282
16 and 17 years	1,445	1,482	1,496	1,472	1,559	1,608	1,557	1,532	1,463	1,444	1,439	1,442	1,453
18 and 19 years	1,850	1,822	1,894	1,874	1,923	1,937	1,919	1,950	1,890	1,864	1,836	1,816	1,813
20 to 24 years	5,125	5,037	5,061	5,005	4,977	4,923	4,887	4,814	4,921	4,830	4,790	4,819	4,804
25 years and over	40,429	40,236	40,191	40,215	40,298	40,494	40,568	40,407	40,356	40,091	39,978	40,042	40,135
25 to 54 years	31,336	31,263	31,207	31,185	31,216	31,393	31,466	31,422	31,339	31,083	30,984	31,042	31,054
55 years and over	9,068	8,954	8,936	9,003	9,084	9,127	9,111	9,062	9,040	9,010	8,972	8,989	9,060
Female													
16 years and over	29,323	29,236	29,018	28,656	28,839	28,848	28,854	28,543	28,186	28,153	27,972	27,880	27,770
16 to 19 years	2,701	2,731	2,767	2,610	2,670	2,620	2,590	2,544	2,384	2,451	2,477	2,505	2,530
16 and 17 years	1,012	1,027	1,052	1,040	1,093	1,052	1,013	992	931	929	927	931	943
18 and 19 years	1,676	1,687	1,700	1,569	1,595	1,596	1,573	1,577	1,474	1,523	1,534	1,558	1,577
20 to 24 years	4,368	4,328	4,323	4,171	4,260	4,299	4,278	4,212	4,034	4,084	4,037	4,013	3,987
25 years and over	22,242	22,151	21,905	21,886	21,905	21,922	21,984	21,810	21,765	21,686	21,460	21,342	21,250
25 to 54 years	17,135	16,996	16,840	16,871	16,890	16,933	17,000	16,944	16,788	16,728	16,533	16,509	16,445
55 years and over	5,088	5,068	5,018	4,989	5,047	5,033	5,002	4,911	4,976	4,921	4,874	4,821	4,787

A-36: Employed persons by major occupation group, seasonally adjusted

(In thousands)

Occupation group	1969								1968				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
White-collar workers	36,975	36,802	36,920	36,722	36,458	36,346	36,179	36,125	35,869	35,990	35,859	35,921	35,663
Professional and technical	10,677	10,889	10,811	10,756	10,759	10,714	10,521	10,648	10,477	10,550	10,329	10,401	10,358
Managers, officials, and proprietors	7,958	7,915	7,908	8,044	8,003	7,855	7,773	7,855	7,813	7,892	7,995	7,962	7,824
Clerical workers	13,594	13,282	13,433	13,279	13,120	13,152	13,268	13,055	12,940	12,828	12,899	12,878	12,755
Sales workers	4,746	4,716	4,768	4,643	4,576	4,625	4,617	4,567	4,639	4,720	4,636	4,680	4,726
Blue-collar workers	28,489	28,347	28,032	27,603	27,990	28,220	28,395	28,151	28,051	27,622	27,596	27,530	27,538
Craftsmen and foremen	10,179	10,160	10,085	9,957	10,019	10,211	10,460	10,330	10,306	10,140	10,029	9,945	9,927
Operatives	14,617	14,560	14,260	14,050	14,199	14,345	14,327	14,206	14,114	13,897	14,086	13,983	13,997
Nonfarm laborers	3,693	3,627	3,687	3,596	3,772	3,664	3,608	3,615	3,631	3,585	3,481	3,602	3,614
Service workers	9,447	9,448	9,372	9,353	9,673	9,703	9,605	9,418	9,453	9,445	9,382	9,350	9,417
Farmers and farm laborers	3,282	3,235	3,438	3,522	3,381	3,436	3,591	3,411	3,421	3,350	3,149	3,360	3,384

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

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.....	27,088	1,133	1,021	10,659	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	1,239	848	10,658	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	962	1,012	8,257	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	929	1,185	9,120	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	1,212	1,229	10,300	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	1,101	1,321	9,671	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	1,089	1,446	9,939	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	1,185	1,555	10,156	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	1,114	1,608	10,001	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	1,050	1,606	9,947	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	1,087	1,497	10,702	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	1,009	1,372	9,562	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	873	1,214	8,170	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	731	970	6,931	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	744	809	7,397	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	883	862	8,501	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	897	912	9,069	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	946	1,145	9,827	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	1,015	1,112	10,794	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	891	1,055	9,440	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	854	1,150	10,278	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	925	1,294	10,985	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	957	1,790	13,192	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	992	2,170	15,280	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	925	1,567	17,602	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174
1944.....	41,883	892	1,094	17,328	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	836	1,132	15,524	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	862	1,661	14,703	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	955	1,982	15,545	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	994	2,169	15,582	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	930	2,165	14,441	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	901	2,333	15,241	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	929	2,603	16,393	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	898	2,634	16,632	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	866	2,623	17,549	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	791	2,612	16,314	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	792	2,802	16,882	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	822	2,999	17,243	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	828	2,923	17,174	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	751	2,778	15,945	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	732	2,960	16,675	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	712	2,885	16,796	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	672	2,816	16,326	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	650	2,902	16,853	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	635	2,963	16,995	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	634	3,050	17,274	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	632	3,186	18,062	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	627	3,275	19,214	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	613	3,208	19,447	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,860	610	3,267	19,768	4,313	14,081	3,618	10,464	3,383	10,592	11,846	2,737	9,109
1968: August...	68,205	636	3,557	19,910	4,375	14,114	3,677	10,437	3,457	10,753	11,403	2,795	8,608
September...	68,610	629	3,519	20,045	4,381	14,184	3,664	10,520	3,424	10,667	11,761	2,705	9,056
October...	68,960	574	3,503	20,019	4,363	14,302	3,686	10,616	3,430	10,732	12,037	2,694	9,343
November...	69,248	621	3,379	20,036	4,373	14,536	3,702	10,834	3,439	10,755	12,109	2,703	9,406
December...	69,805	619	3,247	20,008	4,370	15,113	3,715	11,398	3,449	10,773	12,226	2,769	9,457
1969: January...	68,196	611	3,024	19,803	4,288	14,189	3,671	10,518	3,448	10,693	12,140	2,735	9,405
February...	68,403	610	2,999	19,891	4,303	14,097	3,666	10,431	3,467	10,792	12,244	2,739	9,505
March.....	68,894	610	3,077	19,978	4,346	14,201	3,678	10,523	3,490	10,913	12,279	2,737	9,542
April.....	69,462	619	3,255	19,952	4,403	14,398	3,688	10,710	3,517	11,044	12,274	2,747	9,527
May.....	69,929	624	3,404	19,982	4,431	14,517	3,709	10,808	3,534	11,131	12,306	2,740	9,566
June.....	70,980	638	3,601	20,336	4,512	14,717	3,793	10,924	3,585	11,243	12,348	2,832	9,516
July.....	70,367	644	3,660	20,137	4,534	14,669	3,818	10,851	3,630	11,254	11,839	2,841	8,998
August...	70,542	644	3,664	20,410	4,531	14,668	3,831	10,837	3,645	11,243	11,737	2,805	8,932

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month. Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA EMPLOYMENT

B-2: Employees on nonagricultural payrolls, by industry

		(In thousands)									
SIC CODE	Industry	All employees					Production workers ¹				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
-	TOTAL	70,542	70,367	70,980	68,205	68,036	-	-	-	-	-
-	PRIVATE SECTOR	58,805	58,528	58,632	56,802	56,539	48,793	48,500	48,648	47,102	46,869
-	MINING	644	644	638	636	635	492	492	488	486	485
10	METAL MINING	-	95.2	93.3	90.7	92.5	-	76.7	75.4	72.5	74.4
101	Iron ores	-	26.5	26.6	25.7	27.2	-	21.7	21.9	21.1	22.6
102	Copper ores	7	38.3	37.5	35.2	35.4	-	30.4	30.0	27.5	27.8
11,12	COAL MINING	-	134.2	134.5	136.5	136.7	-	115.3	116.0	117.7	118.1
12	Bituminous coal and lignite mining	-	127.9	128.2	130.3	130.6	-	109.7	110.4	112.3	112.7
13	OIL AND GAS EXTRACTION	-	291.0	287.3	285.9	283.1	-	198.1	194.6	194.0	191.8
131,2	Crude petroleum and natural gas fields	-	149.3	147.5	153.0	153.0	-	77.8	76.5	80.7	80.9
138	Oil and gas field services	-	141.7	139.8	132.9	130.1	-	120.3	118.1	113.3	110.9
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	123.9	123.3	123.3	122.8	-	102.2	101.8	101.5	101.1
142	Crushed and broken stone	-	43.8	43.5	42.4	42.2	-	37.3	37.0	35.9	35.8
144	Sand and gravel	-	41.9	41.7	41.6	41.5	-	-	-	-	-
	CONTRACT CONSTRUCTION	3,664	3,660	3,601	3,557	3,503	3,125	3,118	3,062	3,039	2,986
	GENERAL BUILDING CONTRACTORS	-	1,090.9	1,055.7	1,060.5	1,040.8	-	938.4	904.7	910.5	891.4
16	HEAVY CONSTRUCTION CONTRACTORS	-	846.2	833.9	799.8	789.0	-	737.2	725.0	701.4	691.4
161	Highway and street construction	-	393.4	386.0	401.6	394.9	-	353.6	346.3	363.8	358.4
162	Heavy construction, n e c	-	452.8	447.9	398.2	394.1	-	383.6	378.7	337.6	333.0
17	SPECIAL TRADE CONTRACTORS	-	1,722.5	1,711.3	1,696.4	1,672.9	-	1,442.4	1,432.7	1,426.9	1,403.0
171	Plumbing, heating, air conditioning	-	399.6	406.0	403.7	394.2	-	321.7	327.7	327.6	319.4
172	Painting, paper hanging, decorating	-	144.2	140.0	145.6	149.1	-	129.1	124.4	129.5	132.7
173	Electrical work	-	287.3	283.9	271.3	269.4	-	231.9	229.0	217.9	215.5
174	Masonry, stonework, and plastering	-	241.0	237.5	245.5	240.7	-	218.0	215.5	223.6	218.7
176	Roofing and sheet metal work	-	123.4	119.7	119.1	117.1	-	102.5	99.0	98.6	96.8
	MANUFACTURING	20,410	20,137	20,336	19,910	19,754	14,966	14,698	14,923	14,581	14,434
19,24,25, 32-39	DURABLE GOODS	11,951	11,885	12,036	11,540	11,628	8,683	8,618	8,781	8,333	8,424
20-23, 26-31	NONDURABLE GOODS	8,459	8,252	8,300	8,370	8,126	6,283	6,080	6,142	6,248	6,010
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	328.3	331.3	335.3	348.0	345.6	184.3	185.3	187.1	195.0	193.5
192	Ammunition, except for small arms	240.8	244.6	249.8	260.8	258.8	128.5	130.2	132.7	138.8	137.8
1925	Complete guided missiles	-	140.2	145.3	156.0	155.8	-	45.2	47.6	52.1	52.5
1929	Ammunition, exc. for small arms, nec	-	104.4	104.5	104.8	103.0	-	85.0	85.1	86.7	85.3
24	LUMBER AND WOOD PRODUCTS	625.2	619.4	624.4	618.7	615.1	542.3	538.9	544.4	538.7	534.6
241	Logging camps & logging contractors	89.9	87.1	84.3	84.3	85.1	-	-	-	-	-
242	Sawmills and planing mills	236.1	237.0	240.0	240.0	238.9	215.4	216.1	218.8	218.6	217.6
2421	Sawmills and planing mills, general	-	199.4	201.4	202.1	201.7	-	181.9	184.0	184.2	183.8
243	Millwork, plywood & related products	171.3	168.4	173.0	171.7	169.2	144.8	142.2	146.9	145.2	142.4
2431	Millwork	-	73.5	74.5	75.5	74.0	-	59.8	61.1	61.8	60.1
2432	Veneer and plywood	-	73.9	76.6	76.5	75.4	-	67.1	69.5	69.5	68.3
244	Wooden containers	38.4	38.8	38.2	37.9	38.5	34.3	34.9	34.2	33.7	34.3
2441,2	Wooden boxes, shooks, and crates	-	30.4	30.1	30.3	30.2	-	27.4	27.0	27.0	26.9
249	Miscellaneous wood products	89.5	88.1	88.9	84.8	83.4	75.3	73.7	75.0	71.5	70.2

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES.....	491.8	483.0	496.0	480.7	467.5	407.4	399.2	411.6	397.9	384.8
251	Household furniture.....	346.9	341.4	349.5	339.1	329.4	295.7	290.5	298.1	289.2	279.6
2511	Wood household furniture.....	—	177.0	181.2	177.4	171.7	—	156.5	160.5	156.7	151.0
2512	Upholstered household furniture.....	—	87.8	90.1	87.3	84.3	—	73.0	75.0	73.2	70.3
2515	Mattresses and bedsprings.....	—	39.3	39.3	39.5	38.6	—	30.8	30.8	31.2	30.4
252	Office furniture.....	—	34.8	39.8	36.9	36.0	—	27.0	31.5	28.7	28.0
254	Partitions and fixtures.....	—	55.0	53.7	51.6	51.0	—	41.9	40.5	39.0	38.5
253,9	Other furniture and fixtures.....	52.8	51.8	53.0	53.1	51.1	41.0	39.8	41.5	41.0	38.7
32	STONE, CLAY, AND GLASS PRODUCTS...	679.0	672.7	676.1	664.1	658.6	544.9	539.6	544.8	536.6	531.4
321	Flat glass.....	—	24.8	25.1	26.6	26.2	—	18.4	18.7	20.2	19.9
322	Glass and glassware, pressed or blown.....	135.3	132.4	133.6	132.5	130.9	119.4	116.4	117.8	118.9	117.8
3221	Glass containers.....	—	77.1	76.7	75.8	74.6	—	69.8	69.6	71.2	70.3
3229	Pressed and blown glass, n e c.....	—	55.3	56.9	56.7	56.3	—	46.6	48.2	47.7	47.5
324	Cement, hydraulic.....	36.0	36.4	36.7	36.3	36.4	26.0	27.9	28.3	28.1	28.2
325	Structural clay products.....	66.9	66.8	66.9	66.6	66.7	55.4	55.2	55.6	55.4	55.6
3251	Brick and structural clay tile.....	—	30.9	30.3	30.2	30.1	—	27.1	26.6	26.6	26.5
326	Pottery and related products.....	—	44.7	45.9	43.7	42.9	—	37.4	39.0	36.9	36.1
327	Concrete, gypsum, and plaster products...	197.1	193.7	195.8	191.9	189.8	155.6	152.6	154.4	150.7	148.3
328,9	Other stone and nonmetallic mineral products	144.1	144.4	142.3	138.6	138.4	108.6	108.3	107.1	104.0	103.6
3291	Abrasive products.....	—	28.0	28.1	27.8	27.5	—	19.4	19.4	19.1	19.0
33	PRIMARY METAL INDUSTRIES.....	1,375.0	1,374.0	1,375.6	1,314.7	1,342.0	1,098.5	1,098.4	1,103.0	1,039.7	1,066.9
331	Blast furnace and basic steel products... (*)	—	669.6	660.7	634.5	676.4	—	536.0	529.7	502.0	542.4
3312	Blast furnaces and steel mills.....	—	589.4	579.7	554.0	594.2	—	474.5	467.6	440.7	479.3
332	Iron and steel foundries.....	232.7	231.7	237.0	222.9	223.7	195.0	194.2	199.6	185.3	186.3
3321	Gray iron foundries.....	—	143.9	148.6	137.9	138.8	—	122.7	127.5	116.7	117.7
3322	Malleable iron foundries.....	—	24.8	24.2	22.8	22.8	—	20.8	20.2	18.9	18.8
3323	Steel foundries.....	—	63.0	64.2	62.2	62.1	—	50.7	51.9	49.7	49.8
333,4	Nonferrous metals.....	89.3	89.4	88.6	86.4	82.0	68.9	69.1	68.6	66.8	62.5
3334	Primary aluminum.....	—	28.1	27.8	26.3	22.0	—	23.0	22.8	21.7	17.4
335	Nonferrous rolling and drawing.....	220.2	218.7	219.8	211.0	198.6	166.6	165.2	166.3	156.8	145.1
3351	Copper rolling and drawing.....	—	44.6	45.7	44.2	43.8	—	33.6	34.9	33.1	32.6
3352	Aluminum rolling and drawing.....	—	71.4	71.2	70.3	59.8	—	53.5	53.3	52.6	42.4
3357	Nonferrous wire drawing and insulating..	—	78.5	78.4	72.7	71.6	—	61.0	60.9	55.0	54.0
336	Nonferrous foundries.....	92.0	89.5	93.0	85.4	88.1	76.4	74.2	77.6	70.0	72.9
3361	Aluminum castings.....	—	45.8	48.0	41.2	45.3	—	38.7	40.8	33.8	38.1
3362,9	Other nonferrous castings.....	—	43.7	45.0	44.2	42.8	—	35.5	36.8	36.2	34.8
339	Miscellaneous primary metal products....	75.9	75.1	76.5	74.5	73.2	60.3	59.7	61.2	58.8	57.7
3391	Iron and steel forgings.....	—	51.1	51.9	49.6	48.6	—	41.0	41.8	39.7	38.9
34	FABRICATED METAL PRODUCTS.....	1,460.0	1,441.3	1,469.1	1,390.2	1,377.8	1,121.6	1,104.6	1,134.4	1,067.8	1,055.2
341	Metal cans.....	72.0	70.7	70.6	68.9	67.9	61.2	60.0	59.9	59.2	58.3
342	Cutlery, hand tools, and hardware.....	171.1	168.0	172.6	163.1	160.1	133.8	130.9	136.1	126.8	124.0
3421,3,5	Cutlery and hand tools, incl. saws.....	—	69.4	70.2	65.4	63.8	—	53.5	54.5	51.2	49.8
3429	Hardware, n e c.....	—	98.6	102.4	97.7	96.3	—	77.4	81.6	75.6	74.2
343	Plumbing and heating, except electric....	84.7	83.0	85.6	82.4	81.3	62.0	61.1	63.6	61.3	60.2
3431,2	Sanitary ware & plumbers' brass goods..	—	36.8	38.2	37.0	36.3	—	29.0	30.3	29.5	28.8
3433	Heating equipment, except electric.....	—	46.2	47.4	45.4	45.0	—	32.1	33.3	31.8	31.4
344	Fabricated structural metal products.....	438.3	437.3	435.9	418.0	417.4	316.5	315.5	316.3	301.3	299.9
3441	Fabricated structural steel.....	—	116.1	116.0	113.0	112.1	—	85.9	85.8	83.5	82.5
3442	Metal doors, sash, and trim.....	—	72.5	73.0	69.2	68.5	—	52.9	53.7	50.4	49.6
3443	Fabricated plate work (boiler shops)....	—	114.9	114.1	107.9	109.5	—	79.1	79.9	74.5	75.6
3444	Sheet metal work.....	—	82.8	82.8	78.7	78.7	—	60.6	60.6	57.6	57.6
3446,9	Architectural and misc. metal work....	—	51.0	50.0	49.2	48.6	—	37.0	36.3	35.3	34.6
345	Screw machine products, bolts, etc.....	114.6	113.6	116.3	109.6	108.5	90.1	89.3	92.0	86.4	85.3
3451	Screw machine products.....	—	52.4	52.9	50.1	50.2	—	44.3	44.9	42.5	42.4
3452	Bolts, nuts, rivets, and washers.....	—	61.2	63.4	59.5	58.3	—	45.0	47.1	43.9	42.9
346	Metal stampings.....	250.9	243.9	257.4	235.9	232.4	202.6	195.6	208.6	190.5	187.2
347	Metal services, n e c.....	97.4	95.3	97.8	91.8	91.5	80.6	78.9	81.3	76.1	75.6
348	Misc. fabricated wire products.....	70.3	69.8	70.7	66.0	65.5	56.4	55.7	56.6	53.0	52.5
349	Misc. fabricated metal products.....	160.7	159.7	162.2	154.5	153.2	118.4	117.6	120.0	113.2	112.2
3494,8	Valves, pipe, and pipe fittings.....	—	95.6	97.4	94.0	94.7	—	67.1	68.7	66.1	67.2

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	2,009.1	2,013.7	2,025.6	1,949.5	1,951.1	1,371.2	1,370.4	1,389.2	1,322.6	1,323.0
351	Engines and turbines	114.0	113.3	116.5	110.4	109.2	78.1	77.5	80.6	74.6	73.2
3511	Steam engines and turbines	-	38.8	39.5	38.3	37.3	-	22.1	22.9	21.9	20.8
3519	Internal combustion engines, n e c	-	74.5	77.0	72.1	71.9	-	55.4	57.7	52.7	52.4
352	Farm machinery	-	130.2	132.9	136.6	138.4	-	90.9	93.7	96.4	98.9
353	Construction and related machinery	297.9	299.8	298.4	280.7	281.6	200.5	201.8	201.2	185.6	186.4
3531,2	Construction and mining machinery	-	159.1	158.0	149.6	151.2	-	111.5	110.5	102.2	104.2
3533	Oil field machinery	-	46.4	47.0	42.2	42.0	-	32.3	32.7	29.2	28.9
3535,6	Conveyors, hoists, cranes, monorails	-	45.2	44.4	43.6	42.8	-	28.3	28.0	27.4	26.5
3537	Industrial trucks and tractors	-	33.6	33.5	30.8	30.5	-	21.5	21.8	19.7	19.2
354	Metal working machinery	337.1	338.6	343.6	335.3	340.1	249.0	250.3	255.6	248.1	251.6
3541	Machine tools, metal cutting types	-	77.8	78.6	77.6	79.4	-	51.9	52.9	52.1	53.4
3544	Special dies, tools, jigs, & fixtures	-	123.4	125.7	120.4	122.4	-	100.7	102.9	97.9	99.7
3545	Machine tool accessories	-	60.3	61.7	60.9	60.9	-	43.3	45.0	44.2	43.9
3542,8	Misc. metal working machinery	-	77.1	77.6	76.4	77.4	-	54.4	54.8	53.9	54.6
355	Special industry machinery	200.4	201.1	202.3	196.4	198.0	132.5	133.2	135.0	131.3	132.6
3551	Food products machinery	-	44.4	44.1	43.4	43.6	-	28.5	28.4	28.2	28.5
3552	Textile machinery	-	41.4	42.4	40.2	40.7	-	31.1	32.1	30.4	30.7
3555	Printing trades machinery	-	31.0	31.4	30.4	30.6	-	19.9	20.4	20.4	20.7
356	General industrial machinery	284.4	284.2	285.6	280.8	278.3	188.0	188.2	190.6	183.1	180.5
3561	Pumps and compressors	-	75.3	75.4	77.1	76.1	-	43.1	43.5	42.2	41.2
3562	Ball and roller bearings	-	61.5	61.6	59.8	58.7	-	47.3	47.8	46.0	44.9
3564	Blowers and fans	-	32.5	32.2	31.5	31.5	-	20.7	20.7	19.8	19.8
3566	Power transmission equipment	-	54.8	55.4	52.6	51.8	-	39.3	40.1	38.0	37.2
357	Office and computing machines	258.5	256.1	252.7	248.5	244.0	136.2	134.0	133.5	134.0	130.4
3573	Electronic computing equipment	-	166.4	163.2	158.2	156.7	-	69.2	69.0	69.1	67.6
358	Service industry machines	145.0	147.7	149.7	133.2	136.0	103.4	105.9	107.5	92.6	95.0
3585	Refrigeration machinery	-	97.8	98.4	84.4	87.7	-	71.1	71.5	58.3	61.3
359	Misc. machinery, except electrical	244.2	242.7	243.9	227.6	225.1	190.3	188.6	191.5	176.9	174.4
36	ELECTRICAL EQUIPMENT AND SUPPLIES	2,075.2	2,043.8	2,058.7	1,980.8	1,960.3	1,382.5	1,356.0	1,374.7	1,318.7	1,296.2
361	Electric test & distributing equipment	215.9	213.9	214.3	206.4	206.7	146.1	145.1	146.5	140.5	140.9
3611	Electric measuring instruments	-	72.7	71.4	66.5	65.8	-	46.1	45.7	42.8	42.4
3612	Transformers	-	59.3	58.7	57.6	58.1	-	43.1	42.6	41.1	41.3
3613	Switchgear and switchboard apparatus	-	81.9	84.2	82.3	82.8	-	55.9	58.2	56.6	57.2
362	Electrical industrial apparatus	224.2	223.0	222.6	209.3	210.6	157.4	156.5	157.1	144.0	145.1
3621	Motors and generators	-	122.0	121.3	113.0	114.2	-	87.9	87.4	78.8	79.5
3622	Industrial controls	-	61.4	61.8	57.5	58.0	-	39.9	40.8	36.5	37.4
363	Household appliances	188.4	185.7	189.2	177.7	174.6	149.4	147.7	150.8	141.2	138.1
3632	Household refrigerators and freezers	-	61.7	63.0	57.1	58.8	-	50.8	52.1	46.8	48.3
3633	Household laundry equipment	-	25.7	27.1	25.8	24.4	-	19.8	21.1	20.6	19.3
3634	Electric housewares and fans	-	43.0	44.5	43.5	40.4	-	34.1	35.5	34.4	31.3
364	Electric lighting and wiring equipment	211.8	204.4	211.8	199.6	198.8	163.6	156.1	163.3	152.2	151.4
3641	Electric lamps	-	40.7	40.4	38.5	38.2	-	36.0	35.7	33.9	33.7
3642	Lighting fixtures	-	62.6	66.3	62.8	63.8	-	47.3	51.4	48.5	49.4
3643,4	Wiring devices	-	101.1	105.1	98.3	96.8	-	72.8	76.2	69.8	68.3
365	Radio and TV receiving equipment	162.2	155.2	156.3	156.7	149.1	122.2	115.5	116.7	118.4	111.8
366	Communication equipment	529.6	527.1	524.5	520.6	518.2	257.2	255.4	254.1	256.1	251.8
3661	Telephone and telegraph apparatus	-	140.8	139.1	129.2	128.9	-	92.7	91.5	85.3	84.6
3662	Radio and TV communication equipment	-	386.3	385.4	391.4	389.3	-	162.7	162.6	170.8	167.2
367	Electronic components and accessories	416.1	410.3	414.1	390.1	383.5	290.4	285.0	289.9	274.8	267.6
3671-3	Electron tubes	-	72.0	71.2	75.3	74.9	-	49.6	49.0	52.5	52.1
3674,9	Other electronic components	-	338.3	342.9	314.8	308.6	-	235.4	240.9	222.3	215.5
369	Misc. electrical equipment & supplies	127.0	124.2	125.9	120.4	118.8	96.2	94.7	96.3	91.5	89.5
3694	Engine electrical equipment	-	66.6	68.1	65.8	65.8	-	51.6	53.1	50.5	50.4
37	TRANSPORTATION EQUIPMENT	1,980.1	2,000.6	2,053.7	1,879.2	2,026.7	1,380.9	1,398.2	1,448.5	1,276.2	1,427.5
371	Motor vehicles and equipment	(*)	851.5	910.6	727.1	864.3	(*)	654.5	709.9	531.9	671.3
3711	Motor vehicles	-	348.8	384.0	281.6	368.8	-	251.8	284.0	186.8	275.2
3712	Passenger car bodies	-	57.5	68.0	28.0	63.7	-	46.5	56.3	15.8	51.9
3713	Truck and bus bodies	-	41.4	41.1	37.8	38.1	-	34.0	33.8	30.5	30.4
3714	Motor vehicle parts and accessories	-	372.8	385.2	352.4	367.0	-	298.1	310.7	278.0	293.7
3715	Truck trailers	-	31.0	32.3	27.3	26.7	-	24.1	25.1	20.8	20.1
372	Aircraft and parts	803.3	813.4	803.1	850.8	853.2	459.7	466.9	459.9	500.1	503.7
3721	Aircraft	-	489.6	476.3	499.0	497.2	-	275.1	265.2	286.1	286.6
3722	Aircraft engines and engine parts	-	195.7	196.3	209.1	212.2	-	107.9	108.3	117.2	119.5
3723,9	Other aircraft parts and equipment	-	128.1	130.5	142.7	143.8	-	83.9	86.4	96.8	97.6
373	Ship and boat building and repairing	186.9	187.9	191.0	171.9	181.2	154.0	155.0	156.0	139.6	149.7
3731	Ship building and repairing	-	143.8	144.8	134.1	141.3	-	118.7	117.7	108.8	116.7

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA EMPLOYMENT

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

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
		(In thousands)									
	<i>Durable Goods--Continued</i>										
	TRANSPORTATION EQUIPMENT--Continued										
3732	Boat building and repairing.....	-	44.1	46.2	37.8	39.9	-	36.3	38.3	30.8	33.0
374	Railroad equipment.....	-	53.0	52.7	45.9	43.1	-	41.5	41.1	34.2	31.1
375,9	Other transportation equipment.....	-	94.8	96.3	83.5	84.9	-	80.3	81.6	70.4	71.7
38	INSTRUMENTS AND RELATED PRODUCTS	471.2	468.4	474.1	464.2	455.1	290.7	287.0	292.7	285.1	276.4
381	Engineering & scientific instruments.....	-	76.9	79.4	84.1	81.1	-	36.8	38.2	41.1	37.9
382	Mechanical measuring & control devices....	113.4	113.7	114.0	109.5	109.1	72.0	72.2	72.8	69.0	68.3
3821	Mechanical measuring devices.....	-	69.0	69.1	67.4	67.6	-	40.8	41.3	40.0	40.1
3822	Automatic temperature controls.....	-	44.7	44.9	42.1	41.5	-	31.4	31.5	29.0	28.2
383,5	Optical and ophthalmic goods.....	51.0	50.5	51.4	51.4	51.0	36.2	35.7	36.6	36.8	36.3
385	Ophthalmic goods.....	-	31.8	32.6	32.4	32.0	-	24.2	25.0	24.8	24.3
384	Medical instruments and supplies.....	77.6	76.7	76.9	73.3	71.6	53.4	52.3	52.6	49.7	48.4
386	Photographic equipment and supplies.....	117.3	116.2	114.9	110.4	109.3	63.7	62.5	62.0	59.4	59.0
387	Watches, clocks, and watchcases.....	-	34.4	37.5	35.5	33.0	-	27.5	30.5	29.1	26.5
	MISCELLANEOUS MANUFACTURING INDUSTRIES	455.9	436.5	447.6	449.6	428.0	358.3	340.2	350.9	355.0	334.7
391	Jewelry, silverware, and plated ware.....	53.9	50.9	52.4	51.7	48.4	40.8	37.9	39.8	39.2	36.1
394	Toys and sporting goods.....	-	127.5	128.0	130.2	122.1	-	105.9	105.7	108.4	100.5
3941-3	Games, toys, dolls, & play vehicles....	-	76.1	74.3	80.5	73.1	-	63.8	61.7	68.0	60.9
3949	Sporting and athletic goods, n e c.....	-	51.4	53.7	49.7	49.0	-	42.1	44.0	40.4	39.6
395	Pens, pencils, office, and art supplies....	-	33.5	34.5	35.3	34.3	-	23.9	24.7	25.2	24.4
396	Costume jewelry and notions.....	-	59.9	62.1	62.1	58.3	-	49.5	51.2	51.4	47.8
393,8,9	Other manufacturing industries.....	168.7	164.7	170.6	170.3	164.9	126.5	123.0	129.5	130.8	125.9
393	Musical instruments and parts.....	-	24.3	25.0	24.5	23.2	-	19.4	19.7	19.2	18.0
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	1,929.8	1,837.0	1,785.3	1,914.4	1,817.6	1,331.2	1,236.2	1,189.3	1,315.4	1,218.7
201	Meat products.....	348.7	344.1	340.1	342.2	338.6	284.0	278.3	273.9	277.0	273.3
2011	Meat packing plants.....	-	185.4	184.6	186.8	187.0	-	144.1	143.6	145.8	145.8
2013	Sausages and other prepared meats.....	-	57.9	57.7	59.4	58.3	-	41.9	41.3	43.2	42.2
2015	Poultry dressing plants.....	-	100.8	97.8	96.0	93.3	-	92.3	89.0	88.0	85.3
202	Dairy products.....	259.6	261.8	261.4	267.8	269.4	123.7	125.6	125.4	128.5	130.1
2024	Ice cream and frozen desserts.....	-	30.3	30.6	30.3	30.6	-	16.2	16.2	16.4	16.6
2026	Fluid milk.....	-	181.9	181.4	187.7	188.4	-	70.4	70.3	72.9	73.5
203	Canned, cured, and frozen foods.....	-	306.7	267.1	382.1	294.0	-	261.1	221.6	334.5	248.3
2031,6	Canned, cured, and frozen sea foods....	-	45.0	46.4	44.4	47.4	-	39.7	41.1	39.3	42.3
2032,3	Canned food, except sea foods.....	-	171.4	126.9	232.0	160.5	-	145.2	100.6	203.1	133.1
2037	Frozen fruits and vegetables.....	-	54.1	59.9	64.6	51.8	-	47.6	53.2	58.1	45.6
204	Grain mill products.....	141.8	140.6	138.8	136.5	135.8	101.6	100.3	99.3	96.3	95.6
2041	Flour and other grain mill products.....	-	31.4	31.4	31.1	30.9	-	23.1	23.3	22.1	21.9
2042	Prepared feeds for animals and fowls....	-	66.9	66.4	65.7	64.7	-	44.7	44.6	44.0	42.7
205	Bakery products.....	276.2	278.6	279.0	282.8	283.8	162.0	163.3	163.6	166.6	166.8
2051	Bread, cake, and related products.....	-	235.1	235.7	237.7	238.2	-	128.2	128.4	129.4	129.3
2052	Cookies and crackers.....	-	43.5	43.3	45.1	45.6	-	35.1	35.2	37.2	37.5
206	Sugar.....	-	34.5	34.2	32.3	31.4	-	26.0	25.6	25.3	24.2
207	Confectionery and related products.....	85.6	81.2	82.5	83.3	76.8	70.0	66.1	67.2	68.1	61.6
2071	Confectionery products.....	-	64.5	66.4	66.9	60.9	-	53.6	55.2	55.8	49.7
208	Beverages.....	248.8	245.5	237.6	243.1	244.3	125.2	123.8	119.3	125.9	126.9
2082	Malt liquors.....	-	58.7	55.3	62.6	63.6	-	37.5	35.5	42.2	43.0
2086	Bottled and canned soft drinks.....	-	138.9	135.7	136.0	136.7	-	54.1	52.2	53.7	54.4
209	Misc. foods and kindred products.....	143.9	144.0	144.6	144.3	143.5	91.5	91.7	93.4	93.2	91.9
21	TOBACCO MANUFACTURES	90.8	71.8	72.1	93.5	75.6	77.8	59.3	59.6	81.0	62.8
211	Cigarettes.....	-	41.0	41.0	42.2	42.3	-	33.2	33.3	34.8	34.7
212	Cigars.....	-	17.6	19.5	20.5	19.1	-	16.1	17.9	19.1	17.7
22	TEXTILE MILL PRODUCTS	992.2	981.5	1,000.9	1,003.9	985.6	873.9	864.3	883.9	890.2	872.0
221	Weaving mills, cotton.....	222.5	226.3	227.1	232.7	231.9	201.3	205.4	206.4	212.0	211.5
222	Weaving mills, synthetics.....	100.6	100.2	101.9	102.4	100.3	90.0	89.5	91.5	92.4	90.1
223	Weaving and finishing mills, wool.....	43.9	43.8	45.7	45.5	45.2	37.6	37.5	39.3	39.2	39.0
224	Narrow fabric mills.....	31.8	31.3	32.1	31.6	30.2	28.2	27.8	28.6	28.2	26.8
225	Knitting mills.....	249.6	245.2	252.2	256.2	249.2	220.0	215.9	223.1	228.9	221.6
2251	Women's hosiery, except socks.....	-	65.8	65.8	65.6	63.5	-	59.7	59.7	59.8	57.9
2252	Hosiery, n e c.....	-	38.1	38.5	40.3	39.8	-	34.3	34.7	36.8	36.2
2253	Knit outerwear mills.....	-	70.2	74.5	80.0	76.2	-	60.1	64.3	70.6	66.7
2254	Knit underwear mills.....	-	34.5	34.8	33.9	33.6	-	30.4	30.8	30.1	29.8

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA EMPLOYMENT

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	<i>Nondurable Goods--Continued</i>										
	TEXTILE MILL PRODUCTS--Continued										
226	Textile finishing, except wool	85.2	83.5	84.8	82.5	81.5	72.3	70.5	71.8	69.8	68.8
227	Floor covering mills	-	53.1	53.4	50.6	48.8	-	42.5	42.9	40.5	38.6
228	Yarn and thread mills	124.1	121.1	123.5	122.0	119.5	114.7	112.0	114.1	112.9	110.5
229	Miscellaneous textile goods	79.1	77.0	80.2	80.4	79.0	65.2	63.2	66.2	66.3	65.1
23	APPAREL AND OTHER TEXTILE PRODUCTS...	1,431.0	1,374.1	1,440.1	1,425.7	1,364.9	1,257.9	1,201.7	1,266.1	1,258.0	1,199.9
231	Men's and boys' suits and coats	139.6	130.1	139.7	132.4	126.1	123.1	114.2	122.7	116.6	110.8
232	Men's and boys' furnishings	373.6	366.9	377.8	373.3	360.7	330.9	324.2	335.4	332.7	320.6
2321	Men's and boys' shirts and nightwear ...	-	119.6	122.4	124.3	121.4	-	106.7	109.7	111.7	109.0
2327	Men's and boys' separate trousers	-	79.0	81.8	80.8	78.5	-	71.7	74.7	74.2	71.9
2328	Men's and boys' work clothing	-	85.0	87.2	83.0	80.1	-	72.9	75.4	71.9	69.1
233	Women's and misses' outerwear	433.7	412.2	436.5	428.5	407.3	385.1	364.2	387.6	379.9	359.9
2331	Women's and misses' blouses and waists .	-	50.8	51.9	52.2	51.0	-	45.2	46.2	46.8	45.5
2335	Women's and misses' dresses	-	187.9	203.3	201.1	185.5	-	168.0	182.8	180.1	165.3
2337	Women's and misses' suits and coats ...	-	91.3	92.7	96.3	93.0	-	80.8	82.3	86.0	83.2
2339	Women's and misses' outerwear, n e c ...	-	82.2	88.6	78.9	77.8	-	70.2	76.3	67.0	65.9
234	Women's and children's undergarments ...	129.4	120.9	126.5	126.9	121.7	112.5	104.7	110.1	111.5	106.5
2341	Women's and children's underwear	-	82.7	86.2	86.3	82.7	-	72.7	76.1	77.2	73.6
2342	Corsets and allied garments	-	38.2	40.3	40.6	39.0	-	32.0	34.0	34.3	32.9
235	Hats, caps, and millinery	-	19.5	20.6	23.9	24.1	-	17.6	18.6	21.4	21.6
236	Children's outerwear	79.2	79.2	83.2	80.3	80.3	70.4	70.2	74.2	71.8	71.6
2361	Children's dresses and blouses	-	35.1	36.1	34.6	35.4	-	31.7	32.7	31.3	32.0
237,8	Fur goods and miscellaneous apparel	-	78.8	81.2	84.0	79.2	-	67.9	70.1	73.2	68.9
239	Misc. fabricated textile products	174.7	166.5	174.6	176.4	165.5	147.5	138.7	147.4	150.9	140.0
2391,2	Housefurnishings	-	61.6	62.7	63.2	60.2	-	52.6	53.7	54.7	51.9
26	PAPER AND ALLIED PRODUCTS	728.2	720.4	725.0	703.7	694.4	565.0	557.1	563.6	547.4	539.2
261,2,6	Paper and pulp mills	232.3	229.8	229.8	221.7	220.7	180.7	178.7	180.2	173.2	172.7
263	Paperboard mills	74.5	74.2	73.8	74.1	72.4	59.1	58.7	58.4	59.2	57.9
264	Misc. converted paper products	187.6	186.8	188.0	182.2	180.4	136.4	135.2	136.7	133.7	132.1
2643	Bags, except textile bags	-	41.4	41.8	42.1	41.5	-	33.4	33.8	34.0	33.5
265	Paperboard containers and boxes	233.8	229.6	233.4	225.7	220.9	188.8	184.5	188.3	181.3	176.5
2651,2	Folding and setup paperboard boxes	-	71.0	72.4	70.7	68.1	-	59.1	60.5	59.2	56.5
2653	Corrugated and solid fiber boxes	-	105.8	107.5	103.5	101.3	-	82.1	83.8	79.9	77.8
2654	Sanitary food containers	-	32.3	33.0	31.3	32.0	-	26.3	26.9	25.3	26.0
27	PRINTING AND PUBLISHING	1,087.8	1,083.8	1,085.0	1,068.5	1,063.7	674.3	671.6	674.9	666.9	663.6
271	Newspapers	365.0	365.6	366.3	360.5	357.8	177.0	177.8	178.8	177.3	175.9
272	Periodicals	-	78.7	77.4	77.6	77.1	-	27.5	26.9	26.9	26.7
273	Books	-	96.3	96.4	96.0	96.1	-	54.1	54.1	54.7	54.9
275	Commercial printing	342.6	342.5	345.0	338.8	337.7	265.8	265.0	268.5	264.9	263.7
2751	Commercial printing, ex. lithographic ...	-	211.4	212.7	208.7	208.1	-	165.2	167.2	165.3	164.5
2752	Commercial printing, lithographic	-	119.5	120.7	118.5	118.1	-	91.1	92.5	90.7	90.3
278	Blankbooks and bookbinding	59.2	58.0	58.2	57.6	56.8	48.6	47.9	48.0	47.1	46.5
274,6,7,9	Other publishing & printing ind.	143.2	142.7	141.7	138.0	138.2	99.9	99.3	98.6	96.0	95.9
28	CHEMICALS AND ALLIED PRODUCTS...	1,066.5	1,063.0	1,060.9	1,040.3	1,035.5	624.1	622.6	626.3	616.7	609.6
281	Industrial chemicals	318.8	320.1	318.1	317.0	317.4	174.5	175.8	176.1	173.8	172.7
2812	Alkalies and chlorine	-	26.0	25.9	26.4	26.2	-	18.3	18.1	18.1	18.0
2818	Industrial organic chemicals, n e c ...	-	127.0	126.3	127.7	128.8	-	56.4	56.9	57.3	57.3
2819	Industrial inorganic chemicals, n e c ...	-	98.8	97.8	95.8	96.0	-	57.3	56.8	55.4	55.7
282	Plastics materials and synthetics	226.8	226.7	225.3	218.3	217.1	148.0	148.2	147.7	144.9	143.8
2821	Plastics materials and resins	-	98.3	98.5	93.5	93.0	-	59.6	59.9	57.8	57.3
2823,4	Synthetic fibers	-	115.1	113.7	110.6	109.9	-	79.9	79.2	77.6	77.0
283	Drugs	148.7	144.3	142.5	139.7	139.5	73.6	71.0	71.2	71.2	70.7
2834	Pharmaceutical preparations	-	113.9	112.0	108.4	108.2	-	56.4	56.0	54.0	53.7
284	Soap, cleaners, and toilet goods	126.9	125.5	124.2	121.6	117.6	75.1	74.2	73.3	73.3	71.1
2841	Soap and other detergents	-	40.5	39.9	41.1	40.7	-	26.8	26.1	27.4	27.2
2844	Toilet preparations	-	52.9	52.6	50.6	47.4	-	32.1	32.1	32.6	28.7
285	Paints and allied products	74.1	73.6	73.1	71.9	71.7	41.7	41.3	40.7	40.0	39.9
287	Agricultural chemicals	51.8	52.9	56.3	52.5	52.7	30.7	31.7	35.4	31.4	31.5
2871,2	Fertilizers, complete & mixing only	-	35.2	39.1	35.1	35.2	-	22.6	26.5	23.1	23.1
286,9	Other chemical products	119.4	119.9	121.4	119.3	119.5	80.5	80.4	81.9	80.1	79.9
2892	Explosives	-	46.7	47.5	47.7	47.3	-	36.1	36.7	37.0	36.5
29	PETROLEUM AND COAL PRODUCTS	195.9	196.3	193.7	192.3	192.7	121.9	122.8	121.2	122.2	122.4
291	Petroleum refining	156.7	156.5	154.7	153.8	153.9	93.6	93.7	92.7	94.3	94.1
295,9	Other petroleum and coal products	39.2	39.8	39.0	38.5	38.8	28.3	29.1	28.5	27.9	28.3

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	<i>Nondurable Goods--Continued</i>										
30	RUBBER AND PLASTICS PRODUCTS, N.E.C.	582.6	576.8	586.2	564.9	549.5	451.9	446.5	455.8	437.4	423.6
301	Tires and inner tubes	120.1	119.7	119.0	114.8	113.5	84.5	84.4	83.9	80.1	79.1
302,3,6	Other rubber products	182.1	181.6	184.2	182.6	178.2	142.9	142.0	144.9	143.3	138.8
302	Rubber footwear	-	25.7	26.5	27.7	26.5	-	21.6	22.5	23.2	21.9
307	Miscellaneous plastics products	280.4	275.5	283.0	267.5	257.8	224.5	220.1	227.0	214.0	205.7
31	LEATHER AND LEATHER PRODUCTS . . .	354.6	347.0	350.3	362.3	346.9	304.9	297.5	300.8	312.4	297.7
311	Leather tanning and finishing	29.6	29.0	30.1	31.0	30.8	25.8	25.4	26.1	27.0	26.8
314	Footwear, except rubber	231.2	229.5	229.8	237.1	229.0	201.8	199.8	200.4	207.4	199.7
312,3,5-7,9	Other leather products	93.8	88.5	90.4	94.2	87.1	77.3	72.3	74.3	78.0	71.2
316	Luggage	-	21.9	22.0	22.0	19.6	-	17.5	17.7	17.7	15.5
317	Handbags and personal leather goods	-	36.2	36.7	40.6	37.1	-	30.6	30.9	34.5	31.1
	TRANSPORTATION AND PUBLIC UTILITIES	4,531	4,534	4,512	4,375	4,358					
40	RAILROAD TRANSPORTATION	-	657.2	657.3	672.5	675.8	-	-	-	-	-
4011	Class 1 railroads ²	-	582.1	582.2	595.2	596.6	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT	-	262.2	277.7	262.6	264.0	-	-	-	-	-
411	Local and suburban transportation	-	79.8	80.5	81.0	80.8	-	75.8	76.3	76.8	76.7
412	Taxicabs	-	107.0	106.8	109.0	109.4	-	-	-	-	-
413	Intercity highway transportation	-	44.8	43.7	44.8	45.1	-	41.1	40.1	41.0	41.5
42	TRUCKING AND WAREHOUSING	-	1,109.0	1,107.4	1,063.4	1,058.3	-	1,008.6	1,005.2	964.2	960.4
421,3	Trucking and trucking terminals	-	1,024.9	1,024.3	978.6	974.9	-	935.2	932.8	890.4	887.8
422	Public warehousing	-	84.1	83.1	84.8	83.4	-	73.4	72.4	73.8	72.6
45	TRANSPORTATION BY AIR	-	358.4	353.6	336.5	331.8	-	-	-	-	-
451,2	Air transportation	-	324.1	319.5	304.6	300.0	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	19.4	19.3	19.7	19.7	-	15.8	15.8	16.4	16.4
44,47	OTHER TRANSPORTATION AND SERVICES	-	356.9	361.3	343.0	340.8	-	-	-	-	-
44	WATER TRANSPORTATION	-	251.9	258.6	243.9	241.6	-	-	-	-	-
47	TRANSPORTATION SERVICES	-	105.0	102.7	99.1	99.2	-	-	-	-	-
48	COMMUNICATION	-	1,085.6	1,066.5	1,003.7	994.9	-	855.4	837.0	786.7	779.4
481	Telephone communication	-	905.4	888.0	831.2	824.3	-	723.8	706.7	658.1	651.9
482	Telegraph communication ³	-	32.6	32.5	33.4	33.5	-	22.7	22.4	23.2	23.3
483	Radio and television broadcasting	-	131.6	130.2	125.4	123.7	-	103.6	102.5	100.7	99.6
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	685.6	668.6	673.3	672.2	-	589.4	574.7	584.0	583.0
491	Electric companies and systems	-	282.9	278.3	274.3	274.0	-	241.8	238.0	235.2	235.1
492	Gas companies and systems	-	164.1	161.7	164.2	163.6	-	140.3	138.2	141.0	140.5
493	Combination companies and systems	-	189.6	180.6	187.1	187.0	-	164.0	156.1	165.7	165.3
494-7	Water, steam, & sanitary systems	-	49.0	48.0	47.7	47.6	-	43.3	42.4	42.1	42.1
-	WHOLESALE AND RETAIL TRADE	14,668	14,669	14,717	14,114	14,084	13,052	13,055	13,110	12,545	12,522
50	WHOLESALE TRADE	3,831	3,818	3,793	3,677	3,667	3,230	3,216	3,195	3,100	3,093
501	Motor vehicles & automotive equipment	-	310.3	306.4	293.7	292.6	-	256.4	253.9	243.6	242.7
502	Drugs, chemicals, and allied products	-	234.2	233.3	222.7	222.1	-	192.7	191.8	184.7	184.0
503	Dry goods and apparel	-	151.1	149.8	148.8	148.7	-	120.2	119.4	121.6	121.8
504	Groceries and related products	-	571.3	572.7	543.7	554.6	-	501.8	503.2	475.5	486.9
506	Electrical goods	-	312.0	307.1	299.7	297.0	-	260.3	255.8	246.7	244.6
507	Hardware; plumbing & heating equipment	-	173.7	171.8	166.7	165.8	-	147.3	145.4	141.2	140.5
508	Machinery, equipment, and supplies	-	742.6	737.8	709.7	705.2	-	630.9	626.1	600.7	596.9
509	Miscellaneous wholesalers	-	1,245.1	1,236.6	1,201.1	1,192.4	-	1,042.6	1,035.9	1,008.4	1,002.6
52-59	RETAIL TRADE	10,837	10,851	10,924	10,437	10,417	9,822	9,839	9,915	9,445	9,429
53	RETAIL GENERAL MERCHANDISE	-	2,209.2	2,240.2	2,086.2	2,072.9	-	2,024.1	2,057.7	1,914.6	1,903.0
531	Department stores	-	1,448.1	1,470.7	1,352.3	1,348.9	-	1,328.9	1,352.7	1,240.3	1,237.8
532	Mail order houses	-	121.1	121.8	120.7	118.3	-	112.3	112.9	112.2	109.9
533	Variety stores	-	315.9	322.1	301.4	298.6	-	290.0	297.8	281.8	279.1
54	FOOD STORES	-	1,662.2	1,683.9	1,591.5	1,599.5	-	1,549.6	1,569.2	1,468.2	1,477.1
541-3	Grocery, meat, and vegetable stores	-	1,497.0	1,513.1	1,430.9	1,436.4	-	1,396.1	1,410.7	1,321.0	1,327.2

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA EMPLOYMENT

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	WHOLESALE AND RETAIL TRADE (Continued)										
	APPAREL AND ACCESSORY STORES....		671.0	699.6	661.9	662.2	-	601.4	628.8	591.4	592.5
561	Men's & boys' clothing & furnishings.....		118.4	123.5	113.1	115.1	-	110.6	110.7	100.2	102.3
562	Women's ready-to-wear stores.....		251.6	260.9	247.0	247.9	-	226.4	234.8	221.5	223.2
565	Family clothing stores.....		104.1	106.8	102.1	102.1	-	96.9	99.4	94.8	95.0
566	Shoe stores.....		128.6	135.8	133.3	130.9	-	112.5	119.5	116.5	113.9
	FURNITURE AND HOME FURNISHINGS STORES		442.1	441.1	431.4	431.1	-	387.4	385.9	377.0	377.2
571	Furniture and home furnishings.....		284.7	283.5	278.0	275.9	-	248.5	246.8	242.4	241.4
58	EATING AND DRINKING PLACES.....		2,510.2	2,494.3	2,400.8	2,386.0	-	2,348.6	2,335.3	2,242.5	2,228.6
52,55,59	OTHER RETAIL TRADE.....		3,355.9	3,364.6	3,264.8	3,265.0	-	2,928.2	2,938.2	2,851.3	2,850.4
52	Building materials and farm equipment...		567.7	565.1	553.9	556.0	-	489.3	487.3	477.9	479.2
55	Automotive dealers & service stations...		1,618.0	1,615.2	1,574.0	1,570.5	-	-	-	-	-
551,2	Motor vehicle dealers.....		776.0	774.4	753.7	752.4	-	658.5	656.7	639.7	638.0
553,9	Other automotive & accessory dealers...		229.2	228.0	220.0	217.7	-	198.4	197.2	189.5	187.7
554	Gasoline service stations.....		612.8	612.8	600.3	600.4	-	-	-	-	-
59	Miscellaneous retail stores.....		1,170.2	1,184.4	1,136.9	1,138.5	-	-	-	-	-
591	Drug stores and proprietary stores.....		428.4	434.4	422.5	422.2	-	383.2	389.1	381.4	380.8
594	Book and stationery stores.....		58.3	59.4	57.0	57.4	-	49.9	51.0	49.1	49.5
596	Farm and garden supply stores.....		107.7	110.6	100.8	103.4	-	-	-	-	-
598	Fuel and ice dealers.....		102.0	103.0	100.3	100.6	-	88.3	89.3	85.6	86.4
	FINANCE, INSURANCE, AND REAL ESTATE⁴	3,645	3,630	3,585	3,457	3,433	2,911	2,897	2,853	2,758	2,737
60	Banking.....	-	1,003.8	982.8	936.8	931.0	-	835.1	814.9	779.9	774.7
61	Credit agencies other than banks.....	-	365.7	360.8	353.2	353.4	-	287.1	282.3	277.2	277.6
612	Savings and loan associations.....	-	107.0	104.4	101.1	101.7	-	85.8	83.4	80.8	81.7
614	Personal credit institutions.....	-	193.9	192.5	190.7	190.7	-	-	-	-	-
62	Security, commodity brokers & services.....	-	221.7	219.6	199.8	195.0	-	196.4	193.4	177.3	172.8
63	Insurance carriers.....	-	1,023.4	1,019.2	1,000.3	989.0	-	714.2	712.5	702.6	693.3
631	Life insurance.....	-	524.6	527.6	519.8	510.3	-	305.6	310.0	304.5	296.8
632	Accident and health insurance.....	-	87.7	86.6	83.1	82.9	-	75.7	74.6	72.1	71.9
633	Fire, marine, and casualty insurance.....	-	364.5	358.9	352.7	351.1	-	293.7	289.2	288.5	287.4
64	Insurance agents, brokers, and service.....	-	275.3	269.8	260.5	259.2	-	-	-	-	-
65	Real estate.....	-	656.5	650.8	627.8	627.4	-	-	-	-	-
655	Subdividers and developers.....	-	93.0	91.9	83.8	85.0	-	-	-	-	-
656	Operative builders.....	-	48.1	47.0	45.9	45.1	-	-	-	-	-
66,67	Other finance, insurance, & real estate.....	-	83.5	82.1	78.2	77.7	-	-	-	-	-
	SERVICES.....	11,243	11,254	11,243	10,753	10,772	-	-	-	-	-
701	Hotels and other lodging places.....	823.2	828.7	763.0	841.8	846.0	-	-	-	-	-
70	Hotels, tourist courts, and motels.....	-	717.9	694.6	708.5	708.0	-	666.6	644.8	660.2	658.9
72	Personal services.....	1,024.6	1,038.1	1,042.2	1,026.8	1,036.2	-	-	-	-	-
721	Laundries and dry cleaning plants.....	-	545.2	545.7	549.1	555.5	-	497.4	497.7	500.0	506.1
722	Photographic studios.....	-	39.8	39.4	38.9	38.1	-	34.6	34.4	34.0	33.4
73	Miscellaneous business services.....	-	1,507.7	1,498.5	1,417.0	1,402.4	-	-	-	-	-
731	Advertising.....	-	120.4	119.5	118.1	117.9	-	-	-	-	-
732	Credit reporting and collection.....	-	74.3	74.9	72.3	72.6	-	-	-	-	-
734	Services to buildings.....	-	264.1	261.6	241.8	240.9	-	-	-	-	-
76	Miscellaneous repair services.....	-	182.5	182.3	176.2	178.3	-	-	-	-	-
78	Motion pictures.....	-	222.2	218.9	212.5	210.7	-	-	-	-	-
781	Motion picture filming & distributing.....	-	53.3	51.1	55.8	54.6	-	34.3	33.3	35.2	33.9
782,3	Motion picture theaters and services.....	-	168.9	167.8	156.7	156.1	-	-	-	-	-
80	Medical and other health services.....	2,893.9	2,886.9	2,866.6	2,677.1	2,670.5	-	-	-	-	-
806	Hospitals.....	-	1,788.5	1,769.9	1,674.5	1,674.2	-	-	-	-	-
81	Legal services.....	-	229.9	223.3	215.5	215.0	-	-	-	-	-
82	Educational services.....	951.0	961.9	1,062.5	913.0	925.8	-	-	-	-	-
821	Elementary and secondary schools.....	-	313.9	372.4	302.5	306.2	-	-	-	-	-
822	Colleges and universities.....	-	562.5	600.5	527.5	537.5	-	-	-	-	-
89	Miscellaneous services.....	-	633.4	615.9	592.9	591.5	-	-	-	-	-
891	Engineering & architectural services.....	-	310.8	305.4	296.1	296.2	-	-	-	-	-
892	Nonprofit research agencies.....	-	97.1	95.1	96.2	95.9	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	GOVERNMENT	11,737	11,839	12,348	11,403	11,497	-	-	-	-	-
91	FEDERAL GOVERNMENT ⁵	2,805	2,841	2,832	2,795	2,843	-	-	-	-	-
	Executive	-	2,804.5	2,795.9	2,759.9	2,807.9	-	-	-	-	-
	Department of Defense	-	1,167.5	1,162.4	1,136.5	1,159.9	-	-	-	-	-
	Post Office Department	-	739.8	736.6	731.5	734.1	-	-	-	-	-
	Other agencies	-	897.2	896.9	891.9	913.9	-	-	-	-	-
	Legislative	-	30.0	29.5	28.8	28.9	-	-	-	-	-
	Judicial	-	6.7	6.7	6.6	6.6	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	8,932	8,998	9,516	8,608	8,654	-	-	-	-	-
92	State government	-	2,428.5	2,547.8	2,358.3	2,368.4	-	-	-	-	-
	State education	-	895.9	1,027.4	808.6	824.3	-	-	-	-	-
	Other State government	-	1,532.6	1,520.4	1,549.7	1,544.1	-	-	-	-	-
93	Local government	-	6,569.7	6,968.3	6,250.0	6,285.9	-	-	-	-	-
	Local education	-	3,361.6	3,859.7	3,167.5	3,207.2	-	-	-	-	-
	Other local government	-	3,208.1	3,108.6	3,082.5	3,078.7	-	-	-	-	-

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

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

³Data for nonsupervisory workers exclude messengers.

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

⁵Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies. Beginning January 1969, federal employment includes approximately 39,000 civilian technicians of the National Guard who were transferred from State to federal status in accordance with Public Law 90-486.

*Not available.

NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA

SEASONALLY ADJUSTED EMPLOYMENT

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

1957-59=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.....	51.6	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	34.1	-	-
1920.....	52.1	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	33.2	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.2	-	-
1922.....	49.2	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.3	-	-
1923.....	54.1	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.2	-	-
1924.....	53.4	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.3	34.7	-	-
1925.....	54.8	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.7	-	-
1926.....	56.8	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.3	-	-
1927.....	57.1	144.7	55.7	60.3	95.6	54.1	-	-	54.0	45.9	37.2	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	38.2	-	-
1929.....	59.7	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	39.1	24.1	45.0
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	40.1	23.8	46.6
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.6	25.3	48.0
1932.....	45.0	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	41.1	25.2	47.3
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.4	25.5	46.2
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	42.0	29.4	47.0
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.4	34.0	48.4
1936.....	55.4	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.2	46.7	37.3	50.5
1937.....	59.1	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.9	37.6	51.9
1938.....	55.6	115.7	36.5	56.9	70.2	56.6	-	-	56.3	50.4	49.5	37.4	54.2
1939.....	58.3	110.9	39.8	61.9	72.0	58.8	58.1	59.1	57.8	51.0	50.9	40.9	54.9
1940.....	61.6	120.1	44.8	66.2	74.5	61.8	60.6	62.3	59.4	53.4	53.6	45.0	56.9
1941.....	69.6	124.3	62.0	79.5	80.3	66.0	64.7	66.5	61.2	56.9	59.4	60.5	58.9
1942.....	76.4	128.8	75.2	92.1	84.9	76.2	62.9	66.0	60.8	59.2	69.9	100.0	58.1
1943.....	80.8	120.1	54.3	106.0	89.5	63.9	60.1	65.3	59.4	60.2	77.5	131.2	56.4
1944.....	79.7	115.8	37.9	104.4	93.9	64.6	60.8	66.0	58.3	60.4	77.0	132.2	55.3
1945.....	76.9	108.6	39.2	93.5	95.8	67.0	64.3	67.9	59.2	61.5	75.8	126.8	55.7
1946.....	79.3	111.9	57.5	88.6	99.6	76.7	75.6	77.1	67.1	68.4	71.3	101.8	59.3
1947.....	83.5	124.0	68.7	93.7	102.2	82.0	81.5	82.2	69.3	73.2	69.8	85.5	63.6
1948.....	85.5	129.1	75.1	93.9	102.8	84.9	85.9	84.5	72.3	75.5	72.0	84.1	67.2
1949.....	83.4	120.8	75.0	87.0	98.2	84.8	85.9	84.5	73.4	76.3	74.6	86.2	70.1
1950.....	86.1	117.0	80.8	91.8	99.0	85.9	86.9	85.6	75.8	78.9	76.8	87.1	72.8
1951.....	91.1	120.6	90.2	98.8	103.7	89.2	90.0	88.9	78.7	80.9	81.4	104.0	72.6
1952.....	93.0	116.6	91.2	100.2	104.2	91.6	92.8	91.2	81.8	83.1	84.2	109.3	74.4
1953.....	95.6	112.5	90.9	105.7	105.3	93.8	94.2	93.7	84.8	85.1	84.7	104.1	77.1
1954.....	93.3	102.7	90.5	98.3	100.2	93.7	94.6	93.4	88.3	87.0	86.0	98.8	81.0
1955.....	96.5	102.9	97.1	101.7	101.6	96.5	96.5	96.4	92.3	91.0	88.1	98.8	83.9
1956.....	99.8	106.8	103.9	103.9	104.1	99.4	99.6	99.4	96.0	94.8	92.7	99.8	90.0
1957.....	100.7	107.5	101.2	103.5	104.0	99.7	99.9	99.6	97.9	97.9	97.1	100.1	95.9
1958.....	97.8	97.5	96.2	96.1	97.5	98.4	98.3	98.5	99.6	98.7	99.9	99.0	100.3
1959.....	101.5	95.1	102.5	100.5	98.4	101.9	101.7	102.0	102.5	103.4	103.0	100.9	103.9
1960.....	103.3	92.5	99.9	101.2	98.2	104.3	103.7	104.5	105.5	107.7	106.5	102.5	108.0
1961.....	102.9	87.3	97.5	98.4	95.8	103.8	103.3	104.0	107.9	111.2	109.5	102.9	112.1
1962.....	105.9	84.4	100.5	101.5	95.8	105.9	105.5	106.1	110.7	116.4	113.3	105.7	116.3
1963.....	108.0	82.5	102.6	102.4	95.8	107.8	107.2	108.1	113.7	120.7	117.6	106.5	121.9
1964.....	111.1	82.3	105.6	104.1	96.9	111.3	110.1	111.8	116.9	126.3	122.3	106.1	128.7
1965.....	115.8	82.1	110.4	108.8	99.0	116.4	114.4	117.2	119.5	131.8	128.4	107.4	136.6
1966.....	121.8	81.4	113.4	115.8	101.8	121.3	118.7	122.2	122.5	138.5	137.5	115.8	146.1
1967.....	125.4	79.6	111.1	117.2	104.5	124.6	121.7	125.6	127.5	146.5	145.3	122.8	154.1
1968.....	129.2	79.2	113.2	119.1	105.8	128.9	124.9	130.4	133.7	153.6	151.0	123.6	161.7
1968: August...	129.6	80.5	113.3	119.3	106.2	129.6	125.4	131.1	134.3	154.1	151.6	123.9	162.4
1968: September	129.8	80.8	113.8	119.4	106.3	130.0	125.9	131.5	134.9	154.2	151.5	122.9	162.7
1968: October...	130.3	74.4	114.5	119.5	106.5	130.6	126.4	132.1	135.7	155.5	152.3	122.3	164.1
1968: November	130.7	80.8	114.8	119.9	106.8	130.9	126.7	132.4	136.5	156.4	152.3	122.4	164.1
1968: December	131.1	80.9	115.3	120.2	107.0	130.7	127.0	132.0	136.9	157.2	153.4	123.0	165.3
1969: January...	131.8	81.3	115.6	120.5	106.8	132.0	127.8	133.5	137.9	158.1	154.0	124.7	165.5
1969: February...	132.3	81.6	116.6	120.9	107.3	132.5	128.2	134.0	138.4	159.1	154.5	125.0	166.1
1969: March.....	132.7	81.3	116.9	121.2	107.9	132.8	128.7	134.4	138.9	160.0	154.6	124.6	166.4
1969: April.....	132.9	81.0	116.5	121.2	108.9	133.1	129.0	134.5	139.6	160.2	154.8	124.6	166.7
1969: May.....	133.3	80.8	118.0	121.2	109.0	133.8	129.8	135.2	140.0	160.5	155.6	124.4	167.8
1969: June.....	133.8	80.8	120.1	121.7	109.6	134.3	130.3	135.7	140.6	160.5	156.2	126.0	168.1
1969: July.....	133.8	81.6	118.3	121.6	110.1	134.4	130.3	135.9	141.1	160.3	156.1	125.4	168.2
1969: August...	134.1	81.6	116.8	122.3	110.0	134.7	130.7	136.1	141.7	161.1	156.1	124.3	168.5

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

Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

Industry division and group	(In thousands)												
	1969								1968				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
TOTAL	70,436	70,269	70,300	70,013	69,789	69,710	69,487	69,199	68,875	68,664	68,427	68,195	68,088
MINING	628	628	622	622	624	626	628	626	623	622	573	622	620
CONTRACT CONSTRUCTION	3,371	3,414	3,466	3,407	3,363	3,374	3,366	3,338	3,330	3,313	3,305	3,286	3,272
MANUFACTURING	20,306	20,186	20,198	20,118	20,111	20,122	20,061	19,999	19,958	19,897	19,840	19,820	19,800
DURABLE GOODS	12,052	11,924	11,931	11,874	11,868	11,881	11,839	11,819	11,744	11,700	11,649	11,646	11,634
Ordnance and accessories	330	332	337	342	343	346	346	349	351	347	333	346	350
Lumber and wood products	605	603	607	610	604	608	607	606	603	600	600	599	599
Furniture and fixtures	487	489	496	496	496	494	494	490	485	484	480	478	476
Stone, clay, and glass products	659	655	662	656	658	664	666	664	658	652	649	645	644
Primary metal industries	1,368	1,355	1,347	1,333	1,326	1,332	1,330	1,321	1,313	1,300	1,294	1,302	1,308
Fabricated metal products	1,463	1,456	1,456	1,453	1,450	1,451	1,444	1,437	1,426	1,420	1,411	1,401	1,393
Machinery, except electrical	2,015	2,012	2,010	1,999	1,999	1,993	1,997	1,981	1,971	1,974	1,966	1,960	1,955
Electrical equipment	2,077	2,067	2,063	2,058	2,046	2,036	2,026	2,013	1,996	1,988	1,982	1,984	1,983
Transportation equipment	2,136	2,041	2,035	2,009	2,029	2,042	2,020	2,045	2,031	2,034	2,034	2,035	2,027
Instruments and related products	469	468	473	474	472	470	468	466	465	465	463	462	462
Miscellaneous manufacturing	443	446	445	444	445	445	441	447	445	439	437	434	437
NONDURABLE GOODS	8,254	8,262	8,267	8,244	8,243	8,241	8,222	8,180	8,214	8,197	8,191	8,174	8,166
Food and kindred products	1,795	1,796	1,789	1,793	1,795	1,793	1,801	1,792	1,789	1,781	1,782	1,782	1,781
Tobacco manufactures	84	81	81	82	81	83	82	84	81	82	83	84	87
Textile mill products	983	988	990	987	991	995	999	1,000	998	997	994	994	995
Apparel and other textile products	1,411	1,421	1,429	1,426	1,425	1,417	1,409	1,424	1,412	1,412	1,416	1,414	1,406
Paper and allied products	720	716	717	714	710	714	713	709	706	704	700	696	695
Printing and publishing	1,086	1,083	1,083	1,075	1,078	1,078	1,077	1,076	1,074	1,072	1,070	1,065	1,066
Chemicals and allied products	1,054	1,052	1,055	1,046	1,044	1,045	1,044	1,040	1,040	1,038	1,034	1,031	1,028
Petroleum and coal products	190	191	191	190	190	187	170	128	189	188	187	186	187
Rubber and plastics products, nec	582	586	584	581	579	579	577	573	571	567	568	565	564
Leather and leather products	349	348	348	350	350	350	350	354	354	356	357	357	357
TRANSPORTATION AND PUBLIC UTILITIES	4,482	4,489	4,467	4,444	4,439	4,399	4,373	4,353	4,360	4,352	4,341	4,333	4,327
WHOLESALE AND RETAIL TRADE	14,710	14,679	14,665	14,609	14,533	14,508	14,468	14,412	14,271	14,291	14,265	14,198	14,154
WHOLESALE TRADE	3,786	3,773	3,774	3,758	3,737	3,726	3,714	3,701	3,678	3,669	3,660	3,646	3,633
RETAIL TRADE	10,924	10,906	10,891	10,851	10,796	10,782	10,754	10,711	10,593	10,622	10,605	10,552	10,521
FINANCE, INSURANCE, AND REAL ESTATE	3,584	3,569	3,557	3,541	3,531	3,515	3,502	3,490	3,463	3,453	3,433	3,414	3,399
SERVICES	11,110	11,055	11,066	11,065	11,044	11,034	10,967	10,900	10,838	10,787	10,721	10,635	10,625
Hotels and other lodging places	702	706	724	730	741	745	733	733	729	724	722	715	718
Personal services	1,028	1,032	1,026	1,025	1,024	1,026	1,027	1,028	1,032	1,031	1,027	1,029	1,030
Medical and other health services	2,877	2,858	2,850	2,831	2,813	2,795	2,778	2,762	2,737	2,721	2,702	2,679	2,661
Educational services	1,094	1,093	1,102	1,120	1,119	1,117	1,112	1,090	1,096	1,090	1,080	1,061	1,051
GOVERNMENT	12,245	12,249	12,259	12,207	12,144	12,132	12,122	12,081	12,032	11,949	11,949	11,887	11,891
FEDERAL	2,753	2,777	2,790	2,754	2,758	2,759	2,767	2,760	2,724	2,709	2,708	2,721	2,743
STATE AND LOCAL	9,492	9,472	9,469	9,453	9,386	9,373	9,355	9,321	9,308	9,240	9,241	9,166	9,148

NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA

SEASONALLY ADJUSTED EMPLOYMENT

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

Major industry group	(In thousands)												
	1969								1968				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
TOTAL	18,222	18,155	18,203	18,092	18,054	18,101	18,063	17,993	17,928	17,859	17,762	17,772	17,742
MINING	479	479	473	474	476	477	480	477	475	474	430	474	473
CONTRACT CONSTRUCTION	2,828	2,871	2,919	2,878	2,839	2,853	2,852	2,832	2,818	2,791	2,787	2,765	2,750
MANUFACTURING	14,915	14,805	14,811	14,740	14,739	14,771	14,731	14,684	14,635	14,594	14,545	14,533	14,519
DURABLE GOODS	8,811	8,687	8,687	8,630	8,634	8,654	8,628	8,606	8,536	8,505	8,462	8,465	8,450
Ordnance and accessories	186	187	188	192	193	197	195	196	195	195	183	195	197
Lumber and wood products	523	523	528	530	525	528	527	528	524	520	519	519	520
Furniture and fixtures	403	406	411	412	413	410	410	407	402	400	397	395	394
Stone, clay, and glass products	526	524	532	526	529	535	537	534	530	524	522	519	518
Primary metal industries	1,095	1,083	1,076	1,062	1,057	1,063	1,058	1,051	1,044	1,031	1,027	1,034	1,037
Fabricated metal products	1,127	1,123	1,122	1,121	1,118	1,121	1,115	1,109	1,100	1,095	1,089	1,079	1,073
Machinery, except electrical	1,382	1,375	1,377	1,366	1,370	1,363	1,370	1,359	1,346	1,354	1,341	1,336	1,333
Electrical equipment and supplies	1,388	1,384	1,379	1,381	1,369	1,364	1,355	1,344	1,330	1,324	1,321	1,323	1,324
Transportation equipment	1,545	1,444	1,434	1,399	1,420	1,432	1,426	1,439	1,427	1,430	1,434	1,439	1,428
Instruments and related products	290	289	292	294	292	292	289	288	287	287	286	285	284
Miscellaneous manufacturing industries	346	349	348	347	348	349	346	351	351	345	343	341	342
NONDURABLE GOODS	6,104	6,118	6,124	6,110	6,105	6,117	6,103	6,078	6,099	6,089	6,083	6,068	6,069
Food and kindred products	1,206	1,206	1,201	1,206	1,205	1,208	1,215	1,205	1,202	1,194	1,194	1,193	1,192
Tobacco manufactures	71	68	69	69	68	69	69	71	69	70	70	72	74
Textile mill products	866	873	873	871	875	880	883	885	883	883	880	881	882
Apparel and other textile products	1,241	1,247	1,255	1,255	1,252	1,246	1,238	1,254	1,243	1,245	1,249	1,247	1,241
Paper and allied products	558	555	556	554	549	555	555	550	549	546	543	540	540
Printing and publishing	674	674	674	669	672	673	672	673	671	670	668	664	667
Chemicals and allied products	618	620	623	617	617	620	620	617	617	616	613	611	611
Petroleum and coal products	118	119	119	118	118	116	101	73	119	119	119	117	118
Rubber and plastics products, nec	452	457	455	451	449	449	448	444	441	439	440	437	437
Leather and leather products	300	299	299	300	300	301	302	306	305	307	307	306	307

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

NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
1	ALABAMA	987.1	987.0	962.8	8.0	8.1	7.7	58.6	56.7	53.3	317.0	317.6	305.8
2	Birmingham	255.3	255.3	248.9	5.5	5.5	5.1	15.8	15.8	15.5	71.3	71.1	68.6
3	Huntsville	76.7	76.9	77.5	(1)	(1)	(1)	3.4	3.4	3.2	11.5	11.4	12.2
4	Mobile	(*)	104.9	103.8	(*)	(1)	(1)	(*)	6.6	6.7	(*)	24.9	23.8
5	Montgomery	68.9	68.2	66.1	(1)	(1)	(1)	5.5	5.4	5.5	10.6	10.5	9.9
6	Tuscaloosa	35.8	35.6	34.6	(1)	(1)	(1)	2.5	2.3	2.5	10.4	10.4	9.8
7	ALASKA	94.7	91.6	90.3	4.0	3.8	2.6	7.0	6.8	8.6	13.4	11.5	11.8
8	ARIZONA	506.2	504.3	471.1	19.0	18.9	17.8	32.7	32.2	26.6	93.6	93.8	85.2
9	Phoenix	298.4	298.0	275.9	.3	.3	.2	17.4	17.1	14.9	75.1	75.3	67.9
10	Tucson	96.8	96.4	87.6	5.6	5.5	5.0	9.1	9.0	7.0	8.2	8.1	7.8
11	ARKANSAS	536.6	535.4	514.1	5.0	4.8	4.9	36.8	36.4	33.8	169.1	166.6	158.0
12	Fayetteville	25.6	25.1	23.6	(1)	(1)	(1)	2.0	2.1	1.8	8.2	7.7	6.9
13	Fort Smith	43.6	43.4	42.3	.5	.5	.5	1.6	1.7	2.3	16.7	16.6	15.3
14	Little Rock-North Little Rock	122.0	121.6	119.8	(1)	(1)	(1)	9.1	8.7	9.9	27.7	27.3	25.3
15	Pine Bluff	24.8	25.0	24.6	(1)	(1)	(1)	1.5	1.4	1.8	5.9	6.0	5.8
16	CALIFORNIA	6,903.0	6,908.0	6,664.2	32.7	31.9	32.9	304.1	308.4	294.7	1,647.0	1,631.1	1,645.2
17	Anaheim-Santa Ana-Garden Grove	398.5	400.8	380.7	1.8	1.8	2.0	22.1	22.5	19.9	124.8	125.6	127.9
18	Bakersfield	93.6	93.0	91.6	7.2	6.9	7.4	5.2	5.0	5.0	8.8	8.5	8.5
19	Fresno	116.2	116.5	113.8	.7	.7	.7	5.9	5.7	5.8	17.6	17.1	18.1
20	Los Angeles-Long Beach	2,868.6	2,864.0	2,797.1	11.5	11.4	11.5	101.7	103.4	100.5	872.9	871.0	875.0
21	Oxnard-Ventura	88.9	90.0	84.9	2.2	2.1	2.2	3.7	4.0	3.4	14.0	13.7	13.7
22	Sacramento	258.8	261.4	254.6	.2	.2	.3	12.2	12.1	12.1	23.7	24.1	25.3
23	Salinas-Monterey	62.3	61.4	60.7	.4	.4	.4	2.8	2.7	2.7	7.3	6.9	6.8
24	San Bernardino-Riverside-Ontario	281.9	285.5	268.8	2.3	2.3	2.2	13.6	13.7	13.3	52.7	52.2	50.9
25	San Diego	363.6	364.1	343.8	.4	.4	.4	17.6	19.1	17.3	67.9	67.5	65.7
26	San Francisco-Oakland	1,253.4	1,253.2	1,212.3	1.7	1.7	1.7	63.7	63.4	62.2	207.6	206.3	206.4
27	San Jose	372.7	367.9	356.3	.1	.1	.1	19.3	18.8	17.9	129.6	122.1	126.7
28	Santa Barbara	79.1	80.0	76.1	1.0	.9	1.0	3.9	4.1	4.1	9.7	10.1	10.0
29	Santa Rosa	48.9	48.0	45.8	.3	.3	.3	2.7	2.5	2.5	6.7	6.7	6.9
30	Stockton	89.5	91.6	86.4	.1	.1	.1	4.1	4.0	4.0	17.5	16.1	16.0
31	Vallejo-Napa	67.3	68.0	66.5	.2	.2	.2	2.6	2.5	2.6	7.5	7.3	7.9
32	COLORADO	712.4	716.9	687.8	12.9	12.7	13.4	37.5	36.9	37.4	113.1	111.6	108.6
33	Denver	452.4	452.6	435.0	4.2	4.1	4.2	26.1	25.2	24.4	81.9	81.1	77.4
34	CONNECTICUT	1,166.3	1,184.4	1,168.9	(2)	(2)	(2)	57.6	56.2	58.2	467.3	475.8	478.2
35	Bridgeport	150.2	152.7	150.8	(2)	(2)	(2)	6.0	5.8	6.1	74.4	77.4	78.2
36	Hartford	314.7	321.4	312.4	(2)	(2)	(2)	15.2	15.2	15.2	106.9	108.8	112.4
37	New Britain	47.0	47.4	46.5	(2)	(2)	(2)	2.1	2.1	2.5	24.8	24.9	25.3
38	New Haven	151.3	153.3	152.3	(2)	(2)	(2)	7.3	7.7	8.2	44.0	44.6	46.0
39	Stamford	80.2	80.3	77.3	(2)	(2)	(2)	4.3	4.4	4.2	27.8	27.7	26.8
40	Waterbury	77.9	80.4	77.3	(2)	(2)	(2)	4.0	3.8	3.9	38.0	40.3	39.6
41	DELAWARE	206.8	211.0	208.1	(1)	(1)	(1)	13.4	11.6	16.4	70.9	75.1	73.8
42	Wilmington	180.3	183.4	185.2	(1)	(1)	(1)	10.4	8.8	12.7	66.1	69.4	70.1
43	DISTRICT OF COLUMBIA ³	(*)	(*)	694.6	(*)	(*)	(1)	(*)	(*)	20.8	(*)	(*)	20.6
44	Washington SMSA	(*)	(*)	1,104.8	(*)	(*)	(1)	(*)	(*)	68.3	(*)	(*)	44.5
	Northern Virginia ⁴												
45	FLORIDA	1,968.6	2,008.6	1,899.6	8.6	8.5	8.5	165.1	158.0	143.0	305.3	313.2	303.0
46	Fort Lauderdale-Hollywood	151.1	149.7	135.0	(1)	(1)	(1)	21.4	20.4	16.5	20.0	20.0	17.8
47	Jacksonville	(*)	185.7	179.5	(*)	(1)	(1)	(*)	11.1	11.0	(*)	24.2	23.6
48	Miami	455.1	461.0	438.0	(1)	(1)	(1)	28.8	28.4	28.1	71.6	73.1	70.7
49	Orlando	127.7	131.0	119.8	(1)	(1)	(1)	11.9	11.7	10.5	21.4	22.2	21.7
50	Pensacola	65.9	65.9	63.5	(1)	(1)	(1)	5.7	5.7	5.1	14.3	14.3	14.0
51	Tampa-St. Petersburg	280.7	284.4	268.7	(1)	(1)	(1)	21.7	20.6	20.6	51.1	52.7	48.7
52	West Palm Beach	96.5	96.6	87.5	(1)	(1)	(1)	9.5	9.0	8.0	18.9	18.6	17.1
53	GEORGIA	1,494.0	1,489.8	1,441.8	7.0	6.9	6.9	85.3	84.9	82.8	464.4	464.7	450.1
54	Atlanta	585.2	580.9	555.6	(1)	(1)	(1)	38.4	38.9	38.2	125.8	124.2	118.0

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

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	
55.1	55.1	54.8	182.1	184.0	181.7	41.0	40.8	40.4	130.2	129.7	128.2	195.1	195.0	190.9	1
19.5	19.5	18.8	57.2	57.7	56.7	17.2	17.2	16.8	34.7	34.7	34.1	34.1	33.8	33.3	2
1.7	1.7	1.7	11.4	11.4	11.3	1.8	1.8	1.9	17.5	17.6	18.3	29.4	29.6	28.9	3
(*)	9.5	10.3	(*)	26.3	24.9	(*)	4.8	4.7	(*)	16.4	16.4	(*)	16.4	17.0	4
4.6	4.5	4.5	15.7	15.7	14.7	4.5	4.4	4.2	10.2	10.3	10.2	17.8	17.4	17.1	5
1.6	1.6	1.5	5.7	5.7	5.6	1.2	1.2	1.2	3.3	3.2	3.2	11.1	11.2	10.8	6
9.4	9.0	8.5	13.5	13.1	12.5	2.6	2.6	2.5	11.2	11.1	10.5	33.6	33.7	33.3	7
28.1	28.2	27.0	112.1	112.1	104.3	26.7	26.6	24.4	82.6	82.1	78.0	111.4	110.4	107.8	8
15.9	16.0	15.5	70.6	70.8	65.4	19.4	19.4	17.8	46.8	46.9	43.5	52.9	52.2	50.7	9
5.6	5.7	5.3	20.8	20.8	19.0	4.1	4.0	3.7	17.7	17.6	16.2	25.7	25.7	23.6	10
30.7	30.4	29.6	104.4	104.8	102.6	21.3	21.3	20.6	72.6	72.4	70.4	96.7	98.7	94.2	11
2.0	1.9	2.0	4.3	4.4	4.5	.6	.5	.5	3.1	3.1	3.0	5.4	5.4	5.0	12
2.6	2.5	2.6	8.9	8.9	8.8	1.4	1.4	1.4	6.6	6.6	6.3	5.3	5.2	5.1	13
9.5	9.4	9.1	25.5	25.5	25.6	8.7	8.7	8.5	18.1	17.9	17.9	23.4	24.1	23.5	14
3.2	3.2	3.1	4.5	4.6	4.6	.9	.9	.9	3.3	3.3	3.1	5.5	5.6	5.4	15
472.2	467.3	451.6	1,502.6	1,491.3	1,433.2	365.5	361.7	348.6	1,213.7	1,202.9	1,156.0	1,365.2	1,413.4	1,302.0	16
12.2	12.1	12.1	94.3	92.8	86.1	18.8	18.4	17.0	64.1	63.4	60.1	60.4	64.2	55.6	17
6.5	6.4	6.3	21.7	21.6	21.4	3.0	2.9	2.9	15.3	15.5	14.0	25.9	26.2	26.1	18
8.4	8.3	8.4	32.9	32.2	32.4	5.5	5.5	5.5	20.2	19.8	19.7	25.0	27.2	23.2	19
179.5	177.8	171.1	622.6	616.7	600.3	162.0	160.5	156.2	527.2	518.6	504.3	391.2	404.6	378.2	20
4.2	4.3	3.8	19.8	19.9	18.4	3.0	3.0	3.0	14.3	14.1	13.1	27.7	28.9	27.3	21
18.6	18.5	18.6	53.5	52.6	51.4	10.2	10.1	10.0	36.1	35.9	34.9	104.3	107.9	102.0	22
4.1	4.1	4.1	16.8	16.2	16.5	2.4	2.4	2.4	11.9	11.5	11.1	16.6	17.2	16.7	23
17.9	17.7	17.7	62.4	62.7	58.7	9.5	9.5	9.4	51.0	52.2	48.7	72.5	75.2	67.9	24
20.5	20.1	18.9	79.6	79.1	73.6	16.4	16.2	15.3	66.2	65.6	63.6	95.0	96.1	89.0	25
136.9	135.1	130.8	263.9	262.4	254.1	97.0	95.9	91.8	212.3	209.9	203.1	270.3	278.5	262.2	26
15.8	15.6	15.4	67.5	67.5	62.8	13.0	12.8	12.3	73.1	73.4	69.2	54.3	57.6	51.9	27
3.6	3.6	3.5	18.2	18.1	17.5	2.8	2.8	2.8	19.5	19.3	18.8	20.4	21.1	18.4	28
2.8	2.7	2.6	12.1	11.7	11.1	3.2	3.2	3.1	8.5	8.2	7.9	12.6	12.7	11.4	29
6.8	7.0	7.0	19.0	20.8	18.4	3.0	3.0	2.9	14.4	15.5	13.9	24.6	25.1	24.1	30
3.7	3.6	3.6	11.7	11.6	11.3	1.7	1.7	1.7	9.6	10.0	9.2	30.3	31.1	30.0	31
52.4	51.8	50.2	169.6	168.2	163.3	36.8	36.6	35.6	125.6	124.3	120.0	164.5	174.8	159.3	32
35.9	35.6	35.2	115.2	114.1	110.3	28.2	28.0	26.9	83.2	82.2	80.3	77.7	82.3	76.3	33
50.5	52.0	49.7	211.1	214.6	206.7	68.8	68.5	69.3	170.0	168.1	169.2	141.0	149.3	137.5	34
6.2	6.2	6.0	26.6	26.9	25.2	4.5	4.5	4.4	19.3	19.0	18.1	13.2	13.1	12.8	35
11.3	11.5	10.9	59.0	60.7	55.3	40.5	40.0	40.1	45.5	45.5	39.5	36.3	39.6	39.0	36
1.8	1.8	1.7	7.5	7.6	6.9	1.2	1.2	1.1	5.4	5.4	5.1	4.2	4.3	4.0	37
13.2	13.3	13.7	29.7	30.1	29.2	8.3	8.0	7.8	31.0	30.8	30.0	17.8	18.7	17.4	38
2.9	3.0	2.9	17.2	17.3	16.2	4.0	3.9	3.9	17.1	16.6	16.3	6.9	7.4	7.1	39
3.1	3.2	2.9	12.6	12.8	11.2	2.0	2.0	1.9	10.1	10.1	9.9	8.1	8.2	7.8	40
11.2	11.2	10.9	43.0	43.5	40.9	8.7	8.6	8.5	30.5	30.6	29.7	29.1	30.4	27.9	41
9.8	9.8	9.8	35.1	35.6	34.4	7.8	7.7	7.6	26.3	26.3	26.4	24.8	25.8	24.2	42
(*)	(*)	31.7	(*)	(*)	85.9	(*)	(*)	32.1	(*)	(*)	134.2	(*)	(*)	369.3	43
(*)	(*)	60.2	(*)	(*)	212.1	(*)	(*)	62.6	(*)	(*)	231.9	(*)	(*)	425.2	44
143.5	143.9	137.1	508.1	508.4	497.7	120.5	119.4	112.4	358.0	355.9	345.0	359.5	401.3	352.9	45
6.9	6.9	6.3	40.1	40.3	37.8	9.9	9.8	8.8	29.4	29.1	26.5	23.4	23.2	21.3	46
(*)	19.3	19.4	(*)	52.0	50.4	(*)	17.5	16.6	(*)	27.9	27.8	(*)	33.7	30.7	47
51.6	51.4	49.7	124.4	124.0	117.0	29.7	29.5	28.7	98.9	98.0	94.5	50.1	56.6	49.3	48
8.1	8.0	7.1	36.7	38.2	33.9	8.9	8.9	8.0	21.2	21.0	20.1	19.5	21.0	18.5	49
3.4	3.5	3.4	13.8	14.0	13.3	2.5	2.4	2.5	8.5	8.4	7.8	17.7	17.6	17.4	50
19.8	19.5	19.0	82.1	81.7	78.7	16.1	16.0	15.8	50.2	50.4	46.0	39.7	43.5	39.9	51
4.6	4.6	4.2	25.0	25.0	22.8	6.3	6.2	5.6	17.4	17.4	15.9	14.8	15.8	13.9	52
105.6	103.8	97.9	310.0	309.0	296.9	72.0	71.1	69.2	171.9	171.9	168.5	277.8	277.5	269.5	53
58.6	57.9	53.8	153.1	152.2	144.5	40.5	40.1	39.1	83.9	83.6	80.7	84.9	84.0	81.3	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
1	GEORGIA (continued)												
2	Augusta	89.2	88.4	86.2	(1)	(1)	(1)	7.1	6.8	7.0	30.9	30.7	30.3
3	Columbus	69.5	69.1	69.8	(1)	(1)	(1)	4.3	4.3	4.3	19.1	19.1	19.5
4	Macon	79.2	78.9	76.3	(1)	(1)	(1)	4.7	4.7	4.0	15.9	15.9	15.6
5	Savannah	67.6	67.5	63.7	(1)	(1)	(1)	4.0	3.8	3.9	18.0	18.1	16.5
6	HAWAII	282.0	275.0	268.4	(1)	(1)	(1)	22.0	21.3	19.3	32.0	28.7	32.3
7	Honolulu	239.6	234.0	227.2	(1)	(1)	(1)	19.2	18.5	16.7	23.9	21.4	23.9
8	IDAHO	199.9	198.9	194.3	3.6	3.6	3.6	11.3	9.7	11.2	36.9	38.4	34.8
9	Boise	38.9	38.1	36.7	(1)	(1)	(1)	2.6	2.2	2.1	4.5	4.5	4.1
10	ILLINOIS	4,398.1	4,423.9	4,302.9	25.2	24.9	24.7	220.8	214.6	208.0	1,397.2	1,409.9	1,394.1
11	Chicago ⁵	(*)	3,050.9	2,984.2	(*)	5.0	5.3	(*)	136.1	134.1	(*)	984.4	972.0
12	Chicago-Northwestern Indiana	(*)	3,271.7	3,203.7	(*)	5.1	5.4	(*)	150.0	148.6	(*)	1,092.3	1,081.5
13	Davenport-Rock Island-Moline	(*)	135.5	132.5	(*)	(2)	(2)	(*)	5.7	7.8	(*)	46.2	44.7
14	Peoria	(*)	129.7	127.5	(*)	(2)	(2)	(*)	6.9	8.8	(*)	48.7	47.3
15	Rockford	(*)	114.0	109.2	(*)	(2)	(2)	(*)	5.3	5.3	(*)	58.5	56.9
16	INDIANA	1,872.8	1,887.7	1,815.2	7.8	7.9	8.0	102.3	101.7	95.1	743.4	745.7	716.6
17	Evansville	87.8	88.0	85.2	1.7	1.7	1.8	4.3	4.2	4.4	34.3	34.5	31.4
18	Fort Wayne	118.7	118.7	112.4	(1)	(1)	(1)	6.1	5.9	5.4	46.3	46.1	43.8
19	Gary-Hammond-East Chicago ⁵	222.3	221.8	219.5	(1)	(1)	(1)	14.4	13.9	14.5	110.6	109.8	109.5
20	Indianapolis	425.0	423.7	416.3	(1)	(1)	(1)	20.6	19.1	20.1	137.8	136.8	134.4
21	Muncie	46.4	46.4	43.0	(1)	(1)	(1)	2.4	2.3	1.9	18.9	18.7	17.5
22	South Bend	95.9	96.2	97.7	(1)	(1)	(1)	4.4	4.2	4.2	35.6	35.8	37.1
23	Terre Haute	53.1	53.1	51.0	.8	.8	.9	2.9	2.8	2.2	14.5	14.3	14.2
24	IOWA	877.9	886.2	861.1	3.8	3.8	3.9	46.8	44.7	47.2	221.7	224.3	222.1
25	Cedar Rapids	66.2	67.2	66.0	(1)	(1)	(1)	2.9	3.0	3.3	27.7	28.3	27.9
26	Des Moines	127.7	129.0	125.6	(1)	(1)	(1)	6.8	6.8	6.4	26.1	26.4	26.4
27	Dubuque	33.0	33.1	31.4	(1)	(1)	(1)	1.6	1.5	1.7	14.0	14.0	13.4
28	Sioux City	41.8	41.5	41.7	(1)	(1)	(1)	2.4	2.3	2.2	9.3	8.8	9.8
29	Waterloo	49.4	50.5	48.9	(1)	(1)	(1)	3.1	3.0	2.5	19.4	19.6	20.3
30	KANSAS	684.8	691.7	675.7	11.6	11.5	11.5	42.8	42.4	38.9	144.1	144.1	149.5
31	Topeka	61.7	61.5	59.4	.1	.1	.1	4.0	4.0	3.7	9.4	9.3	8.9
32	Wichita	145.2	146.3	148.8	2.5	2.4	2.6	7.8	7.6	7.2	48.8	49.1	53.4
33	KENTUCKY ⁶	893.2	898.7	871.3	28.1	27.1	27.1	62.0	59.7	56.1	244.8	244.0	242.0
34	Lexington	76.5	75.6	74.4	(1)	(1)	(1)	7.1	6.8	5.8	16.4	16.3	16.5
35	Louisville	336.6	334.1	313.3	(1)	(1)	(1)	19.3	18.6	15.8	124.9	123.3	114.6
36	LOUISIANA	1,060.2	1,060.6	1,045.6	53.2	53.1	53.0	90.8	90.4	96.5	182.0	181.3	179.4
37	Baton Rouge	101.8	101.6	104.0	.7	.7	.7	13.4	13.3	17.0	18.1	18.2	17.9
38	Lake Charles	40.3	40.8	41.2	1.2	1.2	1.1	5.7	5.6	7.0	8.9	8.8	8.7
39	Monroe	38.0	37.8	37.1	.4	.4	.4	4.4	4.4	4.5	6.9	6.9	6.6
40	New Orleans	372.1	373.1	371.8	14.7	14.3	14.4	26.3	26.2	25.8	56.9	57.4	59.0
41	Shreveport	94.8	94.2	91.5	4.0	4.0	4.4	7.3	7.2	7.0	17.6	17.5	16.1
42	MAINE	334.1	335.2	331.8	(1)	(1)	(1)	17.4	16.4	18.3	117.5	119.1	119.4
43	Lewiston-Auburn	28.6	29.1	28.9	(1)	(1)	(1)	1.5	1.4	1.7	13.5	13.8	14.1
44	Portland	65.2	65.6	62.9	(1)	(1)	(1)	3.7	3.8	3.4	15.9	16.2	15.4
45	MARYLAND ³	1,290.6	1,295.5	1,239.1	1.8	1.8	1.8	90.1	87.1	88.5	284.4	285.5	284.1
46	Baltimore	804.4	809.2	781.1	.3	.3	.3	47.0	45.4	45.9	208.7	210.3	209.5
47	MASSACHUSETTS	2,259.9	2,277.3	2,211.7	(1)	(1)	(1)	102.2	100.1	100.0	677.9	695.7	683.4
48	Boston	1,285.4	1,295.7	1,256.0	(1)	(1)	(1)	54.6	53.0	55.5	294.2	299.1	295.5
49	Brockton	49.3	50.6	48.2	-	-	-	2.2	2.1	2.2	16.6	17.6	16.6
50	Fall River	44.6	46.3	44.2	(1)	(1)	(1)	(1)	(1)	(1)	20.9	22.3	20.8
51	Lawrence-Haverhill	80.5	80.2	82.0	(1)	(1)	(1)	2.2	2.1	2.3	38.2	39.0	40.7
52	Lowell	52.0	53.1	50.2	(1)	(1)	(1)	2.4	2.2	2.6	20.0	20.6	19.1
53	New Bedford	54.6	56.3	54.3	(1)	(1)	(1)	1.9	1.9	1.9	25.9	27.4	26.1
54	Springfield-Chicopee-Holyoke	196.7	199.5	192.8	(1)	(1)	(1)	8.5	8.7	8.5	72.4	74.2	72.7
55	Worcester	131.2	132.4	128.0	(1)	(1)	(1)	5.7	5.6	5.7	48.7	49.6	48.3

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

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	
4.1	4.0	3.9	15.2	15.0	14.4	3.3	3.2	3.0	8.9	9.0	8.8	19.7	19.7	18.8	1
3.4	3.3	3.2	13.3	13.2	13.0	3.7	3.7	3.5	8.5	8.4	8.6	17.2	17.1	17.7	2
3.5	3.4	3.2	14.4	14.3	13.7	4.1	4.1	3.7	8.6	8.7	8.7	28.0	27.8	27.4	3
7.5	7.1	6.7	14.9	14.9	13.6	3.0	3.0	3.0	8.7	8.6	8.5	11.5	12.0	11.5	4
23.1	22.5	21.1	62.9	62.2	60.2	16.0	15.7	15.0	53.0	51.9	49.3	73.0	72.7	71.2	5
19.6	19.0	17.8	53.9	53.4	51.5	14.8	14.5	13.8	43.9	43.0	40.9	64.3	64.2	62.6	6
14.2	14.1	14.4	47.0	47.0	46.3	7.5	7.5	7.5	31.3	31.0	30.5	48.1	47.6	46.0	7
3.2	3.2	3.1	10.5	10.4	10.1	2.6	2.6	2.5	6.1	6.1	5.6	9.4	9.1	9.2	8
296.5	296.7	280.8	945.8	946.7	924.9	231.9	229.8	225.8	679.1	679.4	660.3	601.4	622.0	584.3	9
(*)	214.9	204.1	(*)	677.3	656.2	(*)	180.1	177.2	(*)	500.9	491.0	(*)	352.1	344.3	10
(*)	228.7	217.4	(*)	713.4	692.0	(*)	186.0	183.0	(*)	522.4	511.4	(*)	373.7	364.5	11
(*)	7.6	7.2	(*)	30.2	28.7	(*)	5.2	5.1	(*)	18.5	17.0	(*)	22.2	22.0	12
(*)	7.5	7.0	(*)	28.4	27.5	(*)	5.0	5.1	(*)	18.7	17.7	(*)	14.6	14.1	13
(*)	3.6	3.3	(*)	21.1	20.5	(*)	3.1	3.1	(*)	13.5	12.6	(*)	8.9	7.5	14
99.9	99.7	98.1	357.3	358.7	347.9	74.9	74.6	72.8	208.0	210.0	200.3	279.3	289.5	276.4	15
5.1	5.1	5.2	19.1	19.1	18.9	3.3	3.3	3.3	12.3	12.2	12.3	7.7	7.9	7.9	16
8.2	8.0	7.9	26.0	26.2	24.5	6.2	6.1	5.9	15.1	15.1	14.4	10.8	11.3	10.5	17
13.6	13.8	13.3	36.1	36.1	35.8	5.9	5.9	5.8	21.0	20.7	20.4	20.7	21.6	20.2	18
28.4	28.0	27.6	92.7	92.7	91.5	29.4	29.2	28.8	51.2	51.5	49.7	64.9	66.4	64.2	19
2.4	2.4	2.3	8.7	8.7	8.3	1.4	1.4	1.4	5.2	5.1	5.0	7.4	7.8	6.6	20
4.9	4.8	4.7	20.2	20.3	20.4	4.9	4.9	4.8	15.9	15.8	16.2	10.0	10.4	10.3	21
4.2	4.2	4.2	13.0	12.9	12.7	1.8	1.8	1.8	6.4	6.4	6.2	9.5	9.9	8.8	22
52.3	52.0	51.7	207.2	210.7	202.1	41.6	41.2	39.9	140.5	142.9	136.4	163.7	166.5	157.8	23
3.3	3.3	3.1	13.0	13.1	13.0	3.2	3.2	3.1	9.5	9.6	9.3	6.6	6.7	6.3	24
9.6	9.5	9.2	31.8	32.0	31.8	15.0	14.9	14.0	20.8	21.1	20.4	17.6	18.3	17.2	25
1.8	1.9	1.7	7.0	7.0	6.2	.9	.9	.8	5.5	5.5	5.4	2.3	2.3	2.2	26
3.4	3.3	3.4	11.5	11.9	11.6	2.1	2.1	2.0	7.8	7.9	7.7	5.4	5.3	5.1	27
2.5	2.5	2.5	9.9	10.1	9.4	1.4	1.4	1.4	7.2	7.2	7.1	6.0	6.8	5.7	28
52.0	52.0	53.1	156.0	155.8	152.3	30.1	29.9	28.7	98.2	98.5	96.6	150.0	157.5	145.1	29
7.4	7.4	7.3	13.1	13.1	12.7	3.7	3.6	3.6	9.6	9.5	9.1	14.6	14.7	14.3	30
7.6	7.6	7.9	31.0	31.0	31.3	6.6	6.7	6.4	23.5	23.4	22.8	17.5	18.7	17.5	31
61.6	61.5	60.3	183.3	182.7	175.9	34.8	34.4	34.2	124.2	124.2	117.6	154.3	165.0	158.2	32
4.1	4.0	3.9	14.5	14.4	14.6	3.8	3.7	3.4	11.7	11.4	11.1	19.0	18.9	19.0	33
22.7	22.8	22.2	68.5	68.3	64.2	16.9	16.8	16.1	45.5	45.4	43.6	38.8	38.9	36.8	34
97.2	97.3	94.5	230.7	230.4	225.0	48.0	48.0	46.4	151.8	150.5	150.2	206.5	209.6	200.6	35
5.4	5.3	5.1	21.3	21.2	20.8	5.1	5.1	5.1	13.9	13.9	13.6	23.9	23.9	23.8	36
3.2	3.4	3.0	8.3	8.2	8.3	1.5	1.5	1.4	5.5	5.5	5.5	6.0	6.6	6.2	37
2.3	2.3	2.3	9.5	9.5	9.7	2.7	2.6	2.2	5.1	5.0	4.8	6.7	6.7	6.6	38
47.7	48.1	47.6	87.8	87.9	87.5	22.1	22.1	21.6	63.7	63.8	63.5	53.0	53.4	52.4	39
9.6	9.4	9.3	23.4	23.2	22.8	4.5	4.5	4.4	14.2	14.2	14.0	14.2	14.1	13.4	40
17.7	17.7	16.5	64.1	63.5	63.0	11.9	12.0	11.6	43.9	42.0	43.3	61.6	64.5	59.7	41
.9	.9	.8	5.8	5.9	5.6	.9	.9	.8	4.2	4.2	4.1	1.8	2.0	1.8	42
5.3	5.2	4.9	17.4	17.3	17.0	5.3	5.2	4.9	10.6	10.5	10.4	7.0	7.4	6.9	43
79.7	80.1	77.4	294.8	295.0	279.1	69.1	67.8	65.1	233.3	231.6	218.9	237.4	246.6	224.2	44
57.1	57.6	55.5	167.0	167.4	161.2	43.6	43.0	41.4	132.2	131.6	126.1	148.5	153.6	141.2	45
114.2	116.3	104.0	475.5	481.4	464.8	127.2	125.7	122.0	463.1	462.3	442.7	299.8	295.8	294.8	46
73.2	73.7	63.1	285.5	291.4	281.5	91.1	91.0	88.8	310.2	314.0	299.5	176.6	173.5	172.1	47
3.1	3.2	2.9	12.1	12.3	11.9	1.4	1.4	1.4	6.3	6.4	5.7	7.6	7.6	7.5	48
1.8	1.8	1.8	8.8	9.1	8.8	(1)	(1)	(1)	8.6	8.6	8.3	4.5	4.5	4.5	49
2.4	2.3	2.2	14.5	14.8	14.1	2.4	2.4	2.3	10.5	9.6	10.0	10.3	10.0	10.4	50
1.9	2.0	1.6	10.7	11.0	10.2	1.4	1.5	1.4	8.9	9.0	8.6	6.7	6.8	6.7	51
2.6	2.6	2.2	9.8	10.0	9.7	(1)	(1)	(1)	9.7	9.7	9.6	4.7	4.7	4.8	52
8.2	8.4	7.2	39.5	39.9	38.3	9.3	9.1	9.2	34.2	34.5	32.6	24.6	24.7	24.3	53
6.6	6.5	5.9	25.3	25.8	24.7	7.1	6.8	6.6	21.8	22.3	21.2	16.0	15.8	15.6	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
1	MICHIGAN ⁶	3,018.5	3,088.1	2,911.8	13.5	13.3	13.7	120.7	118.6	71.2	1,133.0	1,180.6	1,127.3
2	Ann Arbor ⁶	101.7	102.3	96.7	(1)	(1)	(1)	3.6	3.5	2.4	36.7	37.2	36.2
3	Battle Creek ⁶	60.3	59.8	59.5	(1)	(1)	(1)	2.4	2.4	1.7	27.3	27.0	27.6
4	Bay City ⁶	30.5	30.9	29.5	(1)	(1)	(1)	1.3	1.3	1.1	12.3	12.7	11.6
5	Detroit ⁶	1,505.1	1,549.7	1,439.8	1.1	1.1	.9	60.7	60.4	25.4	580.3	607.5	575.2
6	Flint ⁶	154.2	163.1	154.3	(1)	(1)	(1)	6.8	6.5	3.5	80.0	89.4	83.7
7	Grand Rapids ⁶	186.7	190.3	182.9	(1)	(1)	(1)	10.6	10.1	9.7	73.3	76.7	73.4
8	Jackson ⁶	47.1	47.0	45.6	(1)	(1)	(1)	2.4	2.3	1.9	19.5	19.7	18.7
9	Kalamazoo ⁶	71.2	71.1	69.2	(1)	(1)	(1)	3.5	3.5	3.4	30.0	30.1	29.7
10	Lansing ⁶	124.7	129.3	122.2	(1)	(1)	(1)	6.6	6.4	4.9	38.6	39.6	39.2
11	Muskegon-Muskegon Heights ⁶	50.9	52.7	50.5	(1)	(1)	(1)	2.2	2.2	1.9	26.4	28.1	26.7
12	Saginaw ⁶	73.6	74.8	69.9	(1)	(1)	(1)	4.4	4.4	2.9	32.2	33.4	31.5
13	MINNESOTA	1,301.5	1,302.1	1,263.1	16.7	16.3	16.9	75.0	73.0	73.6	325.1	320.8	319.3
14	Duluth-Superior	57.8	57.5	56.6	(1)	(1)	(1)	3.1	3.0	3.0	10.3	10.2	10.0
15	Minneapolis-St. Paul	771.7	775.7	753.0	(1)	(1)	(1)	41.7	41.2	41.6	216.5	216.6	212.6
16	MISSISSIPPI	561.4	562.1	551.9	6.3	6.3	6.3	34.9	33.2	33.9	178.8	180.0	175.6
17	Jackson	87.6	88.5	84.8	.8	.8	.8	6.8	6.6	5.8	14.4	14.4	13.7
18	MISSOURI	1,637.3	1,646.9	1,625.8	8.7	9.2	8.8	68.9	70.4	76.6	460.2	455.4	461.5
19	Kansas City	498.0	497.6	501.0	.5	.5	.6	14.8	14.5	28.4	132.8	131.8	133.1
20	St. Joseph	33.0	32.7	31.9	(2)	(2)	(2)	2.0	2.2	1.7	10.5	10.3	10.3
21	St. Louis	903.6	906.4	899.9	2.4	2.4	2.4	40.3	40.8	45.3	293.4	288.7	294.6
22	Springfield	53.3	54.0	51.9	.1	.1	.1	2.6	2.4	2.6	15.4	15.4	15.5
23	MONTANA	206.7	205.6	204.3	5.9	5.8	6.1	13.1	13.0	14.1	24.5	24.3	25.0
24	Billings	28.2	28.2	27.5	(1)	(1)	(1)	1.8	1.7	1.8	3.2	3.2	3.0
25	Great Falls	25.0	25.0	25.0	(1)	(1)	(1)	2.0	2.0	2.2	3.3	3.3	3.6
26	NEBRASKA	474.4	479.2	457.5	2.1	2.0	1.8	26.8	26.5	24.7	88.7	90.3	84.0
27	Lincoln	70.2	70.8	65.7	-	-	-	3.9	3.6	3.9	11.5	11.4	10.0
28	Omaha	200.9	204.0	193.0	(2)	(2)	(2)	11.5	11.4	10.1	38.0	40.1	36.8
29	NEVADA	195.2	190.7	183.6	4.3	4.2	4.0	11.4	12.0	9.9	7.6	7.5	7.2
30	Las Vegas	106.0	102.9	97.9	.2	.2	.2	5.9	6.4	5.0	4.1	4.1	3.9
31	Reno	53.1	52.4	50.0	.2	.2	.2	3.5	3.4	3.2	2.5	2.5	2.3
32	NEW HAMPSHIRE	265.3	259.7	259.6	.4	.4	.3	13.8	13.4	13.5	97.6	99.1	98.6
33	Manchester	48.3	49.3	48.0	(1)	(1)	(1)	2.9	2.8	2.9	16.7	17.2	17.5
34	NEW JERSEY	2,578.5	2,583.2	2,525.0	3.3	3.2	3.2	122.2	120.1	124.1	890.3	898.9	887.6
35	Atlantic City	69.9	65.4	70.3	-	-	-	3.7	3.7	3.9	11.5	11.5	11.1
36	Camden ⁷	241.3	244.2	236.4	.1	.1	.1	14.2	14.2	14.1	74.6	75.2	77.1
37	Jersey City ⁸	266.0	266.0	264.6	-	-	-	8.7	8.3	7.7	111.1	111.3	113.4
38	Newark ⁸	793.2	795.9	779.9	.6	.5	.5	34.0	33.3	33.3	256.4	260.1	258.5
39	Paterson-Clifton-Passaic ⁸	483.1	486.5	474.9	.4	.4	.3	22.0	21.6	22.5	188.2	190.4	186.7
40	Perth Amboy ⁸	254.9	255.8	242.9	.8	.8	.8	13.5	12.5	12.7	111.0	110.3	107.1
41	Trenton	130.8	131.3	128.5	(1)	(1)	(1)	3.2	3.6	4.1	42.6	42.7	41.4
42	NEW MEXICO	285.7	285.6	279.0	16.4	16.4	15.9	18.4	17.8	19.9	19.6	19.3	17.8
43	Albuquerque	102.6	103.5	98.1	(1)	(1)	(1)	6.2	6.2	6.6	8.6	8.6	7.5
44	NEW YORK	(*)	7,234.3	7,057.5	(*)	8.8	9.3	(*)	277.7	286.2	(*)	1,899.8	1,867.4
45	Albany-Schenectady-Troy	271.5	274.9	268.9	(1)	(1)	(1)	13.3	13.3	13.2	63.3	64.6	65.1
46	Binghamton	103.2	104.5	105.1	(1)	(1)	(1)	3.9	3.7	6.3	45.3	45.3	44.8
47	Buffalo	496.5	501.8	497.9	(1)	(1)	(1)	17.1	17.4	24.2	176.5	178.1	179.5
48	Elmira	37.9	39.8	40.3	(1)	(1)	(1)	1.9	1.9	2.1	14.7	16.2	17.1
49	Monroe County ⁹	304.7	304.0	301.7	(1)	(1)	(1)	14.4	13.6	16.4	136.3	135.7	135.3
50	Nassau and Suffolk Counties ¹⁰	711.2	717.4	679.2	(1)	(1)	(1)	43.3	43.0	42.4	161.4	164.9	163.1
51	New York-Northeastern New Jersey	(*)	6,713.9	6,523.7	(*)	4.8	4.7	(*)	250.2	250.2	(*)	1,780.1	1,749.4
52	New York SMSA ⁸	(*)	4,911.6	4,761.4	(*)	3.2	3.1	(*)	174.1	174.0	(*)	1,108.4	1,083.7
53	New York City ¹⁰	(*)	3,830.6	3,730.2	(*)	2.4	2.4	(*)	109.3	107.7	(*)	849.2	828.2
54	Rochester	346.6	345.7	342.5	(1)	(1)	(1)	16.9	15.8	19.1	149.3	148.6	148.1
55	Rockland County ¹⁰	58.8	58.1	56.6	(1)	(1)	(1)	3.3	3.2	3.8	15.9	15.8	15.3
56	Syracuse	230.7	231.9	221.0	(1)	(1)	(1)	14.3	13.8	12.9	68.3	68.3	66.7
57	Utica-Rome	117.3	118.9	115.2	(1)	(1)	(1)	4.2	4.2	4.5	43.6	44.4	42.2
58	Westchester County ¹⁰	305.2	306.8	295.5	(1)	(1)	(1)	19.3	19.0	20.2	77.6	78.6	77.2

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	
153.2	149.0	149.7	581.0	584.7	572.9	115.8	116.2	111.9	397.3	403.9	394.0	504.1	521.8	471.1	1
2.7	2.7	2.6	12.7	12.9	11.5	2.2	2.2	2.1	10.4	10.4	9.2	33.3	33.4	32.7	2
2.6	2.3	2.5	9.2	9.2	9.0	3.3	3.3	3.3	7.7	7.7	7.6	7.8	7.9	7.8	3
1.6	1.6	1.7	7.0	7.0	6.9	.8	.8	.7	3.7	3.7	3.7	3.8	3.8	3.7	4
80.6	79.9	78.7	290.7	293.4	284.3	64.8	67.6	65.3	215.0	219.2	212.0	211.7	220.6	198.1	5
5.1	5.1	5.3	22.3	22.4	24.6	4.2	4.3	4.0	17.0	16.6	15.8	16.8	18.8	17.4	6
10.1	10.1	10.0	41.8	42.7	40.2	7.6	7.5	7.2	26.3	26.5	25.5	17.0	16.8	16.8	7
4.3	4.0	4.3	8.4	8.5	8.2	1.4	1.4	1.4	5.0	5.0	4.9	6.1	6.2	6.1	8
2.5	2.3	2.5	13.1	13.1	12.4	2.2	2.2	2.2	8.9	8.8	8.5	11.0	11.1	10.5	9
3.4	3.1	3.2	20.7	20.8	21.1	5.0	5.0	5.2	14.9	14.8	13.9	35.5	39.6	34.8	10
2.8	2.8	2.7	8.0	8.0	7.9	1.3	1.3	1.2	5.3	5.3	5.3	4.9	4.9	4.8	11
4.6	4.5	4.4	13.2	13.2	13.0	3.4	3.4	2.5	8.7	8.7	8.4	7.3	7.3	7.1	12
88.1	87.6	86.2	308.2	311.0	297.9	62.5	62.0	60.0	204.2	205.5	196.0	221.7	225.9	213.2	13
7.5	7.5	8.0	13.7	13.8	13.3	2.0	2.0	2.0	11.2	11.1	11.0	9.9	10.0	9.4	14
57.5	57.1	56.2	181.4	183.2	178.2	45.2	44.7	43.8	130.7	130.9	124.5	98.7	102.1	96.0	15
29.4	29.3	29.2	103.2	102.9	101.8	19.7	19.7	19.5	64.5	63.6	64.1	124.6	127.1	121.7	16
5.5	5.5	5.5	20.3	20.2	19.5	6.7	6.7	6.5	14.3	14.3	14.0	19.0	20.0	19.1	17
127.2	126.5	124.6	363.2	362.0	360.2	89.2	88.7	86.3	253.8	256.3	249.2	266.1	278.4	258.6	18
51.8	51.5	50.4	122.3	122.1	120.6	32.9	32.7	31.4	76.7	76.6	72.8	66.2	67.9	63.7	19
2.2	2.2	2.1	7.9	7.8	7.7	1.4	1.3	1.3	4.7	4.7	4.8	4.3	4.2	4.0	20
69.5	68.9	68.5	187.2	185.9	184.5	47.2	46.8	45.4	145.5	147.4	139.2	118.1	125.5	120.0	21
4.2	4.2	4.2	12.6	12.7	12.1	2.4	2.4	2.2	8.6	8.7	8.2	7.4	8.1	7.0	22
18.3	18.2	18.5	49.0	48.0	48.1	7.9	7.8	7.7	31.9	32.1	31.8	56.1	56.4	53.0	23
2.9	2.9	2.9	8.9	8.9	8.7	1.5	1.5	1.4	5.3	5.3	5.3	4.6	4.7	4.4	24
2.0	2.0	2.0	6.5	6.5	6.2	1.4	1.3	1.4	4.6	4.7	4.4	5.2	5.2	5.2	25
37.7	37.6	37.3	116.2	117.1	112.9	28.4	28.3	27.4	77.0	77.7	74.8	97.5	99.7	94.5	26
5.1	5.1	4.9	14.9	15.0	14.2	5.5	5.5	5.3	10.5	10.5	10.1	18.8	19.7	17.3	27
21.5	21.3	21.5	50.3	50.6	48.5	16.3	16.3	15.7	34.6	35.3	32.8	28.8	29.0	27.8	28
13.1	13.0	12.3	37.0	36.4	34.3	7.2	7.1	6.9	79.3	74.3	75.2	35.3	36.2	33.8	29
6.3	6.2	5.9	20.4	19.9	18.5	3.8	3.8	3.6	50.0	46.6	46.2	15.3	15.7	14.6	30
4.7	4.7	4.5	12.1	11.8	11.1	2.6	2.6	2.6	18.1	17.4	17.5	9.4	9.8	8.6	31
10.5	11.0	9.5	49.1	48.5	46.0	10.5	10.4	10.1	52.3	45.0	51.6	31.1	31.9	30.0	32
2.9	3.1	2.7	11.4	11.6	10.8	2.8	2.8	2.8	7.8	7.9	7.5	3.8	3.9	3.8	33
173.1	174.1	169.4	524.0	522.8	501.3	115.3	113.6	111.8	401.1	392.8	386.6	349.2	357.7	341.0	34
3.4	3.5	3.6	20.2	17.7	20.1	2.9	2.9	2.9	17.9	15.8	18.5	10.3	10.3	10.2	35
11.6	11.5	12.0	54.8	55.4	49.6	8.4	8.4	8.2	34.2	34.0	33.0	43.4	45.4	42.3	36
37.3	37.5	36.6	40.7	41.4	39.9	9.0	8.7	8.7	29.5	29.4	29.2	29.7	29.4	29.1	37
61.3	61.3	58.4	153.9	154.5	148.2	55.1	54.3	53.5	130.9	129.3	127.8	101.0	102.6	99.7	38
25.2	25.5	24.5	110.9	112.3	108.5	17.6	17.2	16.7	70.3	70.4	69.2	48.5	48.7	46.5	39
13.1	13.4	10.9	46.6	47.7	44.1	5.2	5.2	5.1	26.7	26.3	25.9	38.0	39.6	36.3	40
6.7	6.8	6.6	20.1	20.2	20.0	4.6	4.5	4.4	25.2	25.4	24.7	28.4	28.1	27.3	41
19.7	19.6	19.7	60.1	59.6	58.4	11.8	11.7	11.5	54.9	54.8	53.2	84.8	86.4	82.6	42
6.5	6.3	6.4	25.7	25.6	24.4	5.9	5.9	5.6	25.2	25.3	24.2	24.5	25.6	23.4	43
(*)	504.2	490.2	(*)	1,449.9	1,409.2	(*)	588.3	569.8	(*)	1,335.9	1,300.8	(*)	1,169.7	1,124.6	44
15.1	15.0	15.1	53.5	53.6	52.1	10.7	10.5	10.8	45.8	46.2	45.0	69.8	71.6	67.6	45
4.8	4.9	4.8	16.9	17.3	17.0	3.2	3.2	3.2	12.0	11.6	11.8	17.0	18.6	17.1	46
33.5	33.4	33.2	103.6	104.4	99.2	19.2	19.0	18.7	74.5	73.5	72.0	72.1	76.0	71.1	47
1.6	1.7	1.7	7.7	7.7	7.8	1.0	1.0	.9	6.0	5.9	5.8	5.0	5.4	4.9	48
11.8	11.7	11.6	53.8	54.9	52.6	11.0	10.8	10.5	45.8	46.2	44.1	31.6	31.2	31.1	49
29.2	30.2	27.1	183.5	185.5	170.0	29.5	29.0	28.1	134.0	130.7	126.6	130.4	134.1	121.9	50
(*)	517.6	499.0	(*)	1,376.8	1,322.3	(*)	590.0	571.6	(*)	1,236.1	1,196.5	(*)	958.3	930.0	51
(*)	380.9	368.6	(*)	1,021.3	981.6	(*)	504.5	487.6	(*)	981.0	944.4	(*)	738.3	718.4	52
(*)	329.6	321.1	(*)	758.0	738.7	(*)	460.4	444.5	(*)	773.1	743.8	(*)	548.6	543.8	53
13.7	13.6	13.4	61.1	62.2	60.0	12.0	11.8	11.4	50.8	51.1	48.6	42.7	42.6	42.0	54
3.0	3.1	3.0	9.9	9.9	9.7	1.9	1.8	1.8	10.6	10.1	9.8	14.3	14.2	13.2	55
15.0	14.6	14.8	49.0	49.1	47.3	11.4	11.2	11.0	37.5	37.5	35.2	35.1	37.5	33.1	56
5.2	5.2	5.2	19.6	19.7	19.1	4.7	4.5	4.3	14.0	13.9	14.0	26.0	27.0	25.9	57
17.6	18.0	17.5	66.3	67.4	63.2	13.4	13.3	13.3	69.2	68.1	64.8	41.8	42.4	39.5	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
1	NORTH CAROLINA	1,679.5	1,689.3	1,647.4	3.6	3.7	3.6	99.1	99.2	96.2	692.3	697.6	685.1
2	Asheville	-	-	-	-	-	-	-	-	-	18.9	19.1	18.6
3	Charlotte	173.3	173.0	166.6	(1)	(1)	(1)	13.9	13.7	12.5	40.5	40.6	40.4
4	Greensboro-Winston-Salem-High Point	252.3	252.7	245.2	(1)	(1)	(1)	13.9	13.7	13.0	111.3	111.7	111.1
5	Raleigh	-	-	-	-	-	-	-	-	-	13.9	14.0	13.1
6	NORTH DAKOTA	157.1	158.3	155.4	1.9	2.0	1.9	10.2	9.5	10.2	8.8	8.8	9.3
7	Fargo-Moorhead	38.8	39.7	38.2	(1)	(1)	(1)	3.2	3.0	3.1	2.9	2.9	2.8
8	OHIO	3,891.7	3,940.9	3,762.1	20.2	20.2	20.0	198.7	193.5	175.5	1,451.0	1,471.6	1,438.1
9	Akron	245.3	250.2	237.0	.2	.2	.2	10.1	9.8	9.7	99.2	100.8	98.8
10	Canton	138.0	138.6	132.8	.3	.3	.3	6.2	5.9	6.0	63.4	63.4	61.7
11	Cincinnati	507.4	508.8	487.0	.4	.4	.4	24.5	24.1	20.2	176.8	174.9	171.3
12	Cleveland	861.8	873.7	850.8	1.4	1.5	1.6	41.8	41.4	39.3	303.9	314.3	314.6
13	Columbus	368.5	374.6	352.0	.8	.8	.8	22.0	21.6	20.0	90.8	91.6	88.2
14	Dayton	332.4	333.6	317.8	.5	.5	.5	13.6	13.5	11.8	133.6	133.7	127.4
15	Toledo	239.8	245.3	225.8	.3	.3	.3	12.3	12.2	7.9	84.1	84.8	81.2
16	Youngstown-Warren	195.4	198.8	191.9	.4	.4	.4	9.6	9.2	8.7	89.6	91.7	90.3
17	OKLAHOMA	747.0	753.2	728.1	40.2	40.2	41.7	36.7	36.2	37.3	128.1	127.0	122.6
18	Oklahoma City	245.2	247.5	236.0	6.8	6.8	6.9	13.1	13.0	12.3	35.2	34.9	32.8
19	Tulsa	177.9	177.8	175.5	13.2	13.2	13.7	9.3	9.3	8.8	43.5	43.0	42.9
20	OREGON	708.4	720.0	681.9	1.6	1.6	1.8	36.6	35.4	33.8	184.9	185.9	178.0
21	Eugene	67.2	70.1	66.2	(1)	(1)	(1)	4.1	3.9	3.9	19.1	19.2	20.0
22	Portland	381.6	384.1	362.1	(1)	(1)	(1)	20.9	20.1	19.1	93.7	93.1	87.3
23	Salem	55.1	54.5	50.8	(1)	(1)	(1)	2.7	2.5	2.8	12.8	11.8	10.6
24	PENNSYLVANIA	4,352.7	4,377.8	4,284.0	39.7	39.6	39.5	212.8	210.1	214.6	1,570.9	1,580.3	1,571.0
25	Allentown-Bethlehem-Easton	213.9	217.2	213.8	.5	.5	.5	7.4	8.8	9.6	106.9	108.1	107.3
26	Altoona	47.9	47.9	46.8	(1)	(1)	(1)	2.0	1.8	1.9	15.7	15.9	15.1
27	Erie	96.7	97.1	94.4	(1)	(1)	(1)	5.5	5.2	4.6	43.0	43.6	43.0
28	Harrisburg	174.1	174.6	167.3	(1)	(1)	(1)	11.3	11.1	8.9	39.8	39.3	40.1
29	Johnstown	80.6	79.5	79.7	4.8	4.9	5.2	4.1	4.0	3.7	26.3	25.8	26.7
30	Lancaster	118.6	119.2	114.9	(1)	(1)	(1)	6.6	6.4	6.4	57.5	57.5	55.7
31	Philadelphia	1,779.1	1,795.0	1,756.5	1.3	1.3	1.5	90.8	90.5	89.9	570.5	573.0	576.8
32	Pittsburgh	878.8	880.6	865.2	9.0	9.1	8.9	45.2	44.6	45.9	298.3	297.0	299.3
33	Reading	123.3	123.2	117.3	(1)	(1)	(1)	5.0	3.9	4.6	59.4	59.7	56.1
34	Scranton	86.4	87.0	85.4	.5	.5	.5	2.9	2.8	2.8	35.3	35.9	35.0
35	Wilkes-Barre-Hazleton	121.9	123.1	118.6	2.3	2.3	2.3	6.4	6.0	5.7	53.2	54.6	52.5
36	York	128.4	128.7	124.2	(1)	(1)	(1)	7.2	7.3	7.4	62.7	62.0	59.9
37	RHODE ISLAND	343.7	347.8	344.5	(1)	(1)	(1)	14.0	14.0	17.1	124.5	128.1	125.7
38	Providence-Pawtucket-Warwick	353.5	358.0	353.6	(1)	(1)	(1)	13.8	13.9	17.0	141.6	145.1	141.1
39	SOUTH CAROLINA	786.1	786.6	769.2	1.5	1.5	1.5	50.6	50.2	49.5	331.7	334.5	323.8
40	Charleston	87.1	87.0	84.8	(1)	(1)	(1)	5.4	5.3	5.6	16.3	16.6	15.2
41	Columbia	103.9	103.0	100.0	(1)	(1)	(1)	8.2	8.0	7.9	20.3	20.0	19.5
42	Greenville	120.7	120.5	118.7	(1)	(1)	(1)	10.3	10.3	10.7	55.9	56.2	54.6
43	SOUTH DAKOTA	176.8	176.3	171.0	2.4	2.4	2.4	10.3	10.2	9.5	16.4	16.3	16.4
44	Sioux Falls	35.4	34.8	33.6	(1)	(1)	(1)	2.2	2.2	1.8	6.3	6.3	6.4
45	TENNESSEE	1,309.7	1,310.9	1,278.9	7.4	7.2	7.2	72.6	72.5	69.0	469.1	468.1	455.0
46	Chattanooga	121.9	121.5	120.0	.3	.2	.2	4.9	4.7	5.8	51.9	52.4	49.9
47	Knoxville	149.8	149.3	145.7	1.8	1.8	1.9	7.7	7.8	7.0	49.7	49.4	49.0
48	Memphis	268.4	268.2	259.1	.2	.2	.2	14.7	14.5	14.5	61.9	61.9	60.1
49	Nashville	216.3	215.0	209.6	(1)	(1)	(1)	13.4	13.5	12.2	61.8	61.7	58.8
50	TEXAS	3,603.8	3,593.4	3,445.8	107.7	107.2	106.1	233.2	230.5	223.9	732.5	734.7	722.6
51	Amarillo	-	-	-	-	-	-	-	-	-	6.2	6.3	5.4
52	Austin	-	-	-	-	-	-	-	-	-	10.7	10.5	9.7
53	Beaumont-Port Arthur-Orange	-	-	-	-	-	-	-	-	-	37.0	37.0	35.0
54	Corpus Christi	-	-	-	-	-	-	-	-	-	11.6	11.4	10.3

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	
90.6	90.3	86.2	301.5	302.1	293.1	67.3	66.4	63.6	205.3	203.0	201.8	219.8	227.0	217.8	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.7	18.6	17.9	44.5	44.4	42.7	11.9	11.8	11.2	24.7	24.8	23.7	19.1	19.1	18.2	3
15.0	14.9	14.0	44.2	44.3	43.1	11.9	11.8	11.8	29.6	29.7	27.7	26.4	26.6	24.5	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
12.6	12.7	12.5	43.7	43.7	42.8	6.8	6.8	6.8	28.8	29.0	28.1	44.3	45.7	43.7	6
3.3	3.3	3.3	12.2	12.2	11.8	2.2	2.2	2.2	7.5	7.6	7.2	7.4	8.6	7.7	7
228.3	226.9	219.1	759.0	759.4	730.5	155.6	153.7	149.8	548.2	556.5	518.2	530.6	559.0	510.9	8
14.8	14.8	14.8	49.0	48.7	46.5	7.0	6.9	6.5	31.9	32.5	30.8	33.1	36.5	29.6	9
7.3	7.4	6.8	25.5	25.6	24.5	4.8	4.7	4.5	18.1	18.4	17.4	12.5	13.0	11.6	10
36.3	35.9	34.9	106.1	106.2	101.9	25.5	25.3	25.4	74.1	75.2	70.9	63.7	66.9	62.1	11
53.4	52.9	51.2	181.4	181.5	173.3	41.8	41.2	40.5	131.4	133.5	125.8	106.7	107.3	104.5	12
20.8	20.6	19.9	76.9	76.9	73.2	24.5	24.1	23.2	58.8	59.7	55.8	73.8	79.2	70.9	13
12.7	12.6	12.3	58.9	58.6	56.1	9.5	9.4	9.0	45.4	45.9	43.7	58.3	59.4	57.2	14
18.2	18.1	17.5	50.4	50.4	49.1	7.9	7.9	7.6	37.2	37.8	35.4	29.3	33.8	26.7	15
10.4	10.5	10.1	35.7	35.8	34.4	5.5	5.5	5.3	25.9	26.6	24.6	18.2	19.1	18.1	16
53.6	53.6	52.6	164.9	165.2	160.4	35.9	35.7	34.6	109.4	109.6	105.4	178.2	185.7	173.5	17
16.4	16.3	15.8	53.9	53.9	52.4	15.6	15.5	14.6	36.7	36.7	35.2	67.5	70.4	66.0	18
16.7	16.6	16.4	40.0	39.9	39.7	8.9	8.9	8.7	29.3	29.3	28.1	17.0	17.6	17.2	19
51.1	50.3	50.5	159.6	158.0	153.8	34.6	34.3	33.4	106.9	108.9	103.3	133.1	145.6	127.3	20
4.1	4.2	4.1	13.1	13.2	12.7	2.9	2.9	2.8	9.5	9.6	8.7	14.4	17.1	14.0	21
31.6	31.1	30.9	92.2	91.6	88.3	23.5	23.4	22.8	63.3	64.3	59.3	56.4	60.5	54.4	22
1.9	1.8	1.8	10.8	10.7	10.3	3.1	3.1	3.0	7.2	7.2	6.6	16.6	17.4	15.7	23
274.8	273.1	271.1	808.0	814.9	784.7	185.7	185.2	181.8	670.4	667.2	652.5	590.4	607.4	568.8	24
11.8	12.0	11.8	35.0	35.2	34.1	6.6	6.6	6.4	26.3	26.6	25.1	19.4	19.4	19.0	25
7.8	7.8	8.0	8.5	8.4	8.0	1.2	1.2	1.2	6.9	6.9	6.8	5.8	5.9	5.8	26
5.5	5.6	5.5	16.6	16.5	16.4	3.5	3.4	3.2	12.6	12.3	12.3	10.0	10.5	9.4	27
13.1	13.0	12.6	32.8	33.1	31.4	8.2	8.3	8.1	25.0	25.4	23.7	43.9	44.4	42.5	28
5.1	5.1	5.1	13.4	13.1	13.6	2.0	2.0	2.0	12.8	12.4	11.7	12.1	12.2	11.7	29
5.4	5.5	5.4	20.9	20.8	20.4	2.7	2.7	2.7	16.3	16.3	15.7	9.2	10.0	8.6	30
111.7	110.4	109.9	354.9	360.7	345.9	99.6	98.4	97.2	298.6	301.5	291.7	251.7	259.2	243.6	31
58.5	58.6	59.1	167.4	169.6	165.8	38.1	37.9	37.0	157.7	157.6	151.3	104.6	106.2	97.9	32
6.4	6.5	6.3	18.9	19.0	18.2	4.9	4.8	4.6	16.4	16.6	16.1	12.3	12.7	11.4	33
5.3	5.3	5.4	17.1	17.0	16.7	2.5	2.5	2.6	13.3	13.6	13.0	9.5	9.4	9.4	34
6.6	6.6	6.7	19.8	20.1	19.3	4.3	4.2	3.7	14.5	14.1	13.8	14.8	15.2	14.6	35
5.5	5.6	5.5	22.4	22.3	21.9	2.9	2.9	2.8	14.9	15.1	14.3	12.8	13.5	12.4	36
16.2	16.0	13.8	66.8	67.2	65.6	15.1	15.1	14.9	54.3	54.5	55.1	52.8	52.9	52.3	37
15.5	15.4	13.3	66.8	67.1	66.2	15.2	15.2	14.8	52.2	52.8	53.3	48.4	48.5	47.9	38
34.8	34.4	33.4	130.5	130.1	127.9	27.6	27.4	26.5	77.6	77.3	77.0	131.8	131.2	129.6	39
5.2	5.2	5.2	16.5	16.5	16.6	3.3	3.4	3.3	9.6	9.5	9.6	30.8	30.5	29.3	40
6.7	6.6	6.3	20.8	20.8	20.3	6.1	6.1	5.8	13.2	13.2	12.9	28.6	28.3	27.3	41
4.6	4.5	4.6	19.6	19.5	19.9	4.6	4.5	4.4	11.8	11.8	11.8	13.9	13.7	12.7	42
10.6	10.4	10.6	46.6	46.5	45.8	7.4	7.3	7.3	31.9	32.0	30.2	51.2	51.2	48.8	43
3.1	3.0	3.1	9.7	9.6	9.8	2.5	2.5	2.1	6.8	6.7	6.1	4.8	4.5	4.4	44
64.8	64.4	64.1	246.5	246.1	243.8	53.9	53.4	52.8	173.9	174.0	169.8	221.5	225.2	217.2	45
6.2	6.1	6.4	22.0	22.1	21.8	7.1	7.0	6.8	15.0	14.7	14.8	14.5	14.3	14.3	46
6.7	6.7	6.5	31.3	31.1	30.8	4.9	4.9	4.8	19.7	19.7	18.8	28.0	27.9	26.9	47
20.2	20.0	19.3	67.6	67.0	66.0	14.1	13.9	13.9	43.9	43.8	40.5	45.8	46.9	44.6	48
13.0	12.9	12.5	46.7	46.5	46.6	13.7	13.3	13.0	34.9	34.8	34.5	32.8	32.3	32.0	49
267.2	266.7	251.5	844.2	838.1	805.8	187.9	186.2	176.8	573.9	571.8	533.5	657.2	658.2	625.6	50
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

State and area	TOTAL			Mining			Contract construction			Manufacturing		
	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
TEXAS (continued)												
1 Dallas	618.0	615.8	587.2	8.4	8.2	8.3	35.5	36.0	32.8	174.3	174.7	163.1
2 El Paso	-	-	-	-	-	-	-	-	-	(*)	23.2	20.4
3 Fort Worth	-	-	-	-	-	-	-	-	-	89.1	84.2	92.9
4 Galveston-Texas City	-	-	-	-	-	-	-	-	-	11.2	11.2	10.9
5 Houston	734.1	725.3	700.1	29.3	28.6	28.1	68.8	64.4	66.9	143.6	143.2	139.5
6 Lubbock	-	-	-	-	-	-	-	-	-	7.0	6.9	6.2
7 San Antonio	252.2	252.5	250.0	1.4	1.5	1.5	15.6	15.6	16.5	31.1	31.2	29.9
8 Waco	-	-	-	-	-	-	-	-	-	13.1	13.1	13.7
9 Wichita Falls	-	-	-	-	-	-	-	-	-	4.4	4.4	4.0
10 UTAH ⁶	348.0	347.0	343.5	12.8	12.6	12.4	14.2	13.5	15.9	55.2	54.0	54.4
11 Salt Lake City ⁶	183.8	183.2	180.0	7.7	7.6	7.5	8.4	8.1	8.6	29.1	28.7	29.6
12 VERMONT ¹¹	151.6	146.5	146.6	1.0	1.1	1.1	11.3	10.8	10.1	44.3	44.5	44.3
13 Burlington	38.0	37.2	35.7	-	-	-	-	-	-	11.2	11.1	10.6
14 Springfield	13.9	13.6	14.0	-	-	-	-	-	-	6.8	6.7	7.0
15 VIRGINIA ³	1,429.6	1,432.8	1,392.7	14.3	14.2	14.0	105.2	103.1	99.4	365.6	365.5	363.0
16 Lynchburg	49.9	50.2	49.3	(1)	(1)	(1)	2.8	2.7	2.9	23.3	23.3	22.8
17 Newport News-Hampton	96.5	95.8	96.1	(1)	(1)	(1)	5.5	5.2	4.9	27.2	27.0	29.2
18 Norfolk-Portsmouth	195.9	196.4	193.9	(1)	(1)	(1)	14.0	13.4	13.8	20.7	20.6	20.4
19 Northern Virginia ¹²	244.2	244.5	237.0	.4	.4	.4	21.1	20.2	21.9	9.4	9.4	9.4
20 Richmond	226.3	227.1	221.1	.2	.2	.2	16.6	16.2	15.8	51.1	51.4	51.2
21 Roanoke	80.0	79.7	77.5	.2	.2	.1	5.4	5.3	5.4	19.1	19.0	18.6
22 WASHINGTON	1,126.9	1,138.6	1,103.8	1.6	1.5	1.6	61.2	59.8	63.7	284.2	284.9	289.5
23 Seattle-Everett	567.1	574.1	556.3	(1)	(1)	(1)	32.2	32.6	31.5	163.7	164.2	171.8
24 Spokane	88.0	89.0	85.5	(1)	(1)	(1)	5.2	5.1	4.2	13.3	13.5	13.7
25 Tacoma	109.9	111.0	107.9	(1)	(1)	(1)	6.5	6.3	6.5	21.7	21.2	21.6
26 WEST VIRGINIA	512.3	514.3	515.1	47.5	47.3	47.3	26.8	26.8	28.5	133.1	133.1	134.0
27 Charleston	82.3	82.5	85.0	3.6	3.6	3.6	3.9	3.9	4.2	18.3	18.3	20.2
28 Huntington-Ashland	80.7	80.6	82.5	.7	.7	.7	4.5	4.3	4.8	26.1	25.8	26.5
29 Wheeling	58.8	59.2	58.3	4.4	4.3	3.9	6.2	6.1	4.8	14.8	15.3	16.7
30 WISCONSIN	1,516.1	1,526.4	1,479.0	2.8	2.8	2.9	75.5	74.3	74.5	516.9	517.0	514.4
31 Green Bay	52.1	52.3	51.0	(1)	(1)	(1)	2.6	2.6	2.6	16.8	16.4	16.9
32 Kenosha	32.1	33.6	33.1	(1)	(1)	(1)	1.3	1.2	1.4	13.7	15.3	15.2
33 La Crosse	29.2	29.6	28.3	(1)	(1)	(1)	1.3	1.3	1.4	8.7	8.9	8.3
34 Madison	114.5	116.8	113.0	(1)	(1)	(1)	7.5	7.5	7.4	16.7	16.3	15.9
35 Milwaukee	561.9	568.6	555.8	(1)	(1)	(1)	23.9	24.1	24.4	207.3	211.0	212.7
36 Racine	55.2	56.2	53.6	(1)	(1)	(1)	2.2	2.1	2.0	25.3	25.8	25.0
37 WYOMING	112.9	113.9	111.3	11.3	11.3	10.9	7.3	6.9	7.7	6.9	6.8	6.6
38 Casper	20.2	19.7	18.8	3.8	3.4	3.1	1.8	1.7	1.6	1.5	1.5	1.3
39 Cheyenne	18.8	18.6	19.1	(1)	(1)	(1)	1.7	1.4	1.4	1.1	1.1	1.0

¹ Combined with services.

² Combined with construction.

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

⁴ See Virginia.

⁵ Area included in Chicago-Northwestern Indiana Standard Consolidated Area.

⁶ Revised series; not strictly comparable with previously published data.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁸ Area included in New York-Northeastern New Jersey Standard Consolidated Area.

⁹ Subarea of Rochester Standard Metropolitan Statistical Area.

¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.

¹² Subarea of Washington Standard Metropolitan Statistical Area.

* Not available.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	
49.8	48.9	47.5	159.9	158.6	153.4	49.0	48.9	46.9	84.5	83.7	82.2	56.6	56.8	53.1	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
67.5	66.7	62.8	178.7	178.3	171.3	37.9	37.1	35.9	130.7	129.5	121.1	77.6	77.5	74.5	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.4	11.4	10.6	61.9	61.9	60.8	15.5	15.6	15.2	43.7	43.8	45.1	71.6	71.5	70.4	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.8	23.4	23.5	77.2	78.0	75.0	14.0	13.9	13.6	54.2	53.2	51.5	96.7	98.4	97.2	10
15.9	15.8	15.2	48.7	48.6	46.7	10.4	10.4	10.2	30.1	30.1	29.3	33.5	33.9	32.8	11
7.9	7.9	7.3	27.6	27.1	26.5	5.2	5.1	5.1	30.6	25.9	29.4	23.8	24.2	22.9	12
1.8	1.8	1.7	7.5	7.5	7.0	-	-	-	7.6	7.0	7.0	-	-	-	13
.8	.8	.8	2.1	2.0	1.9	-	-	-	1.7	1.7	1.7	-	-	-	14
97.8	97.1	96.1	287.7	285.8	279.8	65.8	65.2	62.7	207.5	207.0	201.2	285.7	294.9	276.5	15
2.5	2.5	2.4	8.3	8.3	8.0	1.9	1.9	1.9	5.8	5.9	6.1	5.3	5.6	5.2	16
4.6	4.6	4.4	16.0	15.9	14.9	2.8	2.8	2.7	11.5	11.3	10.8	28.9	29.0	29.2	17
16.6	16.2	16.8	46.2	45.6	44.8	8.7	8.7	8.6	28.6	28.4	28.2	61.1	63.5	61.3	18
20.3	20.0	19.5	56.0	55.3	53.8	14.5	14.1	13.6	43.8	44.4	41.6	78.7	80.7	76.8	19
18.4	18.3	18.1	50.5	50.3	49.4	17.9	17.8	17.3	32.6	32.4	31.9	39.0	40.5	37.2	20
10.6	10.5	10.5	19.0	18.8	17.8	3.9	3.8	3.8	12.4	12.4	12.2	9.4	9.7	9.1	21
75.7	74.8	73.5	246.3	248.4	237.2	59.4	58.9	56.2	170.0	168.5	161.8	228.5	241.8	220.3	22
41.4	41.4	39.9	124.8	124.8	119.7	36.2	35.9	34.5	83.4	83.0	79.1	85.4	92.2	79.8	23
7.7	7.7	7.7	23.0	22.9	22.7	5.1	5.0	4.9	17.6	17.7	17.0	16.1	17.1	15.3	24
6.8	6.7	6.8	24.3	25.0	23.2	6.2	6.0	5.7	18.4	18.6	17.6	26.0	27.2	26.5	25
42.2	42.1	41.7	91.6	91.5	90.6	15.3	15.3	14.9	62.9	63.0	62.9	92.8	95.2	95.3	26
9.1	9.1	9.1	18.5	18.5	18.6	4.0	4.1	3.8	11.7	11.6	11.4	13.3	13.5	14.1	27
8.1	8.1	8.2	17.0	17.0	17.1	2.8	2.8	2.7	10.1	10.1	10.0	11.5	11.9	12.6	28
3.5	3.5	3.5	12.6	12.6	12.3	2.1	2.1	2.1	8.5	8.6	8.6	6.6	6.7	6.4	29
78.9	80.7	75.9	319.9	319.9	308.2	60.7	59.8	57.8	220.5	219.7	210.2	240.8	252.1	235.1	30
4.4	4.4	4.2	12.8	12.8	12.4	1.3	1.3	1.3	7.8	7.9	7.7	6.3	6.8	6.0	31
1.3	1.2	1.3	6.1	6.2	5.9	.7	.7	.7	4.7	4.6	4.6	4.3	4.4	3.9	32
2.3	2.3	2.2	6.6	6.6	6.6	.6	.6	.6	5.7	5.8	5.5	4.0	4.1	3.9	33
4.8	4.8	4.9	22.6	22.8	21.7	6.5	6.3	6.2	16.5	16.7	15.7	39.9	42.3	41.2	34
30.7	31.4	29.1	118.0	118.6	115.2	28.4	28.1	27.1	83.9	83.3	80.8	69.6	72.1	66.6	35
2.2	2.3	2.1	9.5	9.7	9.3	1.5	1.4	1.3	7.7	7.8	7.5	6.8	7.0	6.5	36
11.2	11.0	10.6	25.2	24.4	24.8	3.6	3.6	3.6	19.1	18.3	18.0	28.3	31.6	29.1	37
1.4	1.4	1.4	4.4	4.4	4.4	.9	.9	.8	2.6	2.6	2.7	3.8	3.8	3.5	38
2.6	2.6	2.7	3.7	3.7	4.0	1.0	1.0	1.0	3.1	3.1	3.4	5.6	5.7	5.6	39

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

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

Year and month	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
	Total private ¹			Manufacturing			Durable goods			Nondurable goods		
1947.....	\$45.58	40.3	\$1.131	\$49.17	40.4	\$1.217	\$51.76	40.5	\$1.278	\$46.03	40.2	\$1.145
1948.....	49.00	40.0	1.225	53.12	40.0	1.328	56.36	40.4	1.395	49.50	39.6	1.250
1949.....	50.24	39.4	1.275	53.88	39.1	1.378	57.25	39.4	1.453	50.38	38.9	1.295
1950.....	53.13	39.8	1.335	58.32	40.5	1.440	62.43	41.1	1.519	53.48	39.7	1.347
1951.....	57.86	39.9	1.45	63.34	40.6	1.56	68.48	41.5	1.65	56.88	39.5	1.44
1952.....	60.65	39.9	1.52	67.16	40.7	1.65	72.63	41.5	1.75	59.95	39.7	1.51
1953.....	63.76	39.6	1.61	70.47	40.5	1.74	76.63	41.2	1.86	62.57	39.6	1.58
1954.....	64.52	39.1	1.65	70.49	39.6	1.78	76.19	40.1	1.90	63.18	39.0	1.62
1955.....	67.72	39.6	1.71	75.70	40.7	1.86	82.19	41.3	1.99	66.63	39.9	1.67
1956.....	70.74	39.3	1.80	78.78	40.4	1.95	85.28	41.0	2.08	70.09	39.6	1.77
1957.....	73.33	38.8	1.89	81.59	39.8	2.05	88.26	40.3	2.19	72.52	39.2	1.85
1958.....	75.08	38.5	1.95	82.71	39.2	2.11	89.27	39.5	2.26	74.11	38.8	1.91
1959.....	78.78	39.0	2.02	88.26	40.3	2.19	96.05	40.7	2.36	78.61	39.7	1.98
1960.....	80.67	38.6	2.09	89.72	39.7	2.26	97.44	40.1	2.43	80.36	39.2	2.05
1961.....	82.60	38.6	2.14	92.34	39.8	2.32	100.35	40.3	2.49	82.92	39.3	2.11
1962.....	85.91	38.7	2.22	96.56	40.4	2.39	104.70	40.9	2.56	85.93	39.6	2.17
1963.....	88.46	38.8	2.28	99.63	40.5	2.46	108.09	41.1	2.63	87.91	39.6	2.22
1964.....	91.33	38.7	2.36	102.97	40.7	2.53	112.19	41.4	2.71	90.91	39.7	2.29
1965.....	95.06	38.8	2.45	107.53	41.2	2.61	117.18	42.0	2.79	94.64	40.1	2.36
1966.....	98.82	38.6	2.56	112.34	41.3	2.72	122.09	42.1	2.90	98.49	40.2	2.45
1967.....	101.84	38.0	2.68	114.90	40.6	2.83	123.60	41.2	3.00	102.03	39.7	2.57
1968.....	107.73	37.8	2.85	122.51	40.7	3.01	132.07	41.4	3.19	109.05	39.8	2.74
1968: August.....	109.16	38.3	2.85	121.69	40.7	2.99	130.29	41.1	3.17	110.55	40.2	2.75
September.....	110.49	38.1	2.90	125.25	41.2	3.04	135.01	41.8	3.23	112.03	40.3	2.78
October.....	110.29	37.9	2.91	125.77	41.1	3.06	135.43	41.8	3.24	111.88	40.1	2.79
November.....	109.50	37.5	2.92	125.97	40.9	3.08	136.36	41.7	3.27	111.72	39.9	2.80
December.....	110.38	37.8	2.92	127.82	41.1	3.11	137.61	41.7	3.30	113.08	40.1	2.82
1969: January.....	110.25	37.5	2.94	126.05	40.4	3.12	136.04	41.1	3.31	111.50	39.4	2.83
February.....	110.11	37.2	2.96	124.80	40.0	3.12	135.05	40.8	3.31	110.48	38.9	2.84
March.....	111.67	37.6	2.97	127.39	40.7	3.13	137.45	41.4	3.32	113.15	39.7	2.85
April.....	111.75	37.5	2.98	127.58	40.5	3.15	137.20	41.2	3.33	113.08	39.4	2.87
May.....	113.48	37.7	3.01	128.61	40.7	3.16	138.69	41.4	3.35	114.34	39.7	2.88
June.....	115.14	38.0	3.03	129.65	40.9	3.17	139.44	41.5	3.36	115.31	39.9	2.89
July.....	115.82	38.1	3.04	129.20	40.5	3.19	137.83	40.9	3.37	116.22	39.8	2.92
August.....	116.43	38.3	3.04	129.11	40.6	3.18	138.51	41.1	3.37	116.11	39.9	2.91

Year and month	Mining		Contract construction			Wholesale and retail trade			Finance, insurance, and real estate			
1947.....	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140
1948.....	65.56	39.4	1.664	65.27	38.1	1.713	40.80	40.4	1.010	45.48	37.9	1.200
1949.....	62.33	36.3	1.717	67.56	37.7	1.792	42.93	40.5	1.060	47.63	37.8	1.260
1950.....	67.16	37.9	1.772	69.68	37.4	1.863	44.55	40.5	1.100	50.52	37.7	1.340
1951.....	74.11	38.4	1.93	76.96	38.1	2.02	47.79	40.5	1.18	54.67	37.7	1.45
1952.....	77.59	38.6	2.01	82.86	38.9	2.13	49.20	40.0	1.23	57.08	37.8	1.51
1953.....	83.03	38.8	2.14	86.41	37.9	2.28	51.35	39.5	1.30	59.57	37.7	1.58
1954.....	82.60	38.6	2.14	88.91	37.2	2.39	53.33	39.5	1.35	62.04	37.6	1.65
1955.....	89.54	40.7	2.20	90.90	37.1	2.45	55.16	39.4	1.40	63.92	37.6	1.70
1956.....	95.06	40.8	2.33	96.38	37.5	2.57	57.48	39.1	1.47	65.68	36.9	1.78
1957.....	98.65	40.1	2.46	100.27	37.0	2.71	59.60	38.7	1.54	67.53	36.7	1.84
1958.....	96.08	38.9	2.47	103.78	36.8	2.82	61.76	38.6	1.60	70.12	37.1	1.89
1959.....	103.68	40.5	2.56	108.41	37.0	2.93	64.41	38.8	1.66	72.74	37.3	1.95
1960.....	105.44	40.4	2.61	113.04	36.7	3.08	66.01	38.6	1.71	75.14	37.2	2.02
1961.....	106.92	40.5	2.64	118.08	36.9	3.20	67.41	38.3	1.76	77.12	36.9	2.09
1962.....	110.43	40.9	2.70	122.47	37.0	3.31	69.91	38.2	1.83	80.94	37.3	2.17
1963.....	114.40	41.6	2.75	127.19	37.3	3.41	72.01	38.1	1.89	84.38	37.5	2.25
1964.....	117.74	41.9	2.81	132.06	37.2	3.55	74.28	37.9	1.96	85.79	37.3	2.30
1965.....	123.52	42.3	2.92	138.38	37.4	3.70	76.53	37.7	2.03	88.91	37.2	2.39
1966.....	130.24	42.7	3.05	146.26	37.6	3.89	79.02	37.1	2.13	92.13	37.3	2.47
1967.....	135.89	42.6	3.19	154.95	37.7	4.11	81.76	36.5	2.24	95.46	37.0	2.58
1968.....	143.05	42.7	3.35	164.56	37.4	4.40	86.40	36.0	2.40	101.75	37.0	2.75
1968: August.....	144.62	43.3	3.34	170.72	38.8	4.40	88.80	37.0	2.40	102.40	37.1	2.76
September.....	146.45	43.2	3.39	173.76	38.7	4.49	88.08	36.1	2.44	103.23	37.0	2.79
October.....	138.86	41.7	3.33	173.57	38.4	4.52	87.11	35.7	2.44	103.51	37.1	2.79
November.....	148.52	42.8	3.47	159.35	35.1	4.54	87.33	35.5	2.46	103.69	36.9	2.81
December.....	151.12	43.3	3.49	168.81	37.1	4.55	87.96	35.9	2.45	104.99	37.1	2.83
1969: January.....	150.15	42.9	3.50	168.09	36.7	4.58	88.40	35.5	2.49	106.76	37.2	2.87
February.....	149.60	42.5	3.52	166.90	36.6	4.56	88.60	35.3	2.51	107.59	37.1	2.90
March.....	148.54	42.2	3.52	171.86	37.2	4.62	88.85	35.4	2.51	107.22	37.1	2.89
April.....	154.78	43.6	3.55	174.46	37.6	4.64	88.96	35.3	2.52	106.85	37.1	2.88
May.....	155.30	43.5	3.57	179.92	38.2	4.71	89.92	35.4	2.54	107.30	37.0	2.90
June.....	150.88	42.5	3.55	181.34	38.5	4.71	91.55	35.9	2.55	108.70	37.1	2.93
July.....	155.37	43.4	3.58	183.44	38.7	4.74	93.08	36.5	2.55	107.30	37.0	2.90
August.....	153.51	43.0	3.57	187.38	39.2	4.78	93.70	36.6	2.56	107.67	37.0	2.91

¹For coverage of series, see footnote 1, table B-2.
NOTE: Data include Alaska and Hawaii beginning 1959. Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	TOTAL PRIVATE	\$116.43	\$115.82	\$115.14	\$109.16	\$108.87	\$3.04	\$3.04	\$3.03	\$2.85	\$2.85
	MINING	153.51	155.37	150.88	144.62	145.62	3.57	3.58	3.55	3.34	3.34
10	METAL MINING	-	159.58	157.98	153.37	151.40	-	3.66	3.64	3.47	3.41
101	Iron ores	-	149.92	151.37	149.52	145.43	-	3.63	3.63	3.56	3.39
102	Copper ores	-	177.94	171.77	166.91	168.08	-	3.77	3.71	3.47	3.48
11,12	COAL MINING	-	159.83	144.54	152.63	156.11	-	(*)	4.06	3.75	(*)
12	Bituminous coal and lignite mining	-	163.49	146.01	154.60	157.70	-	(*)	4.09	3.78	(*)
13	OIL AND GAS EXTRACTION	-	152.98	151.26	137.28	138.35	-	3.43	3.43	3.20	3.21
131,2	Crude petroleum and natural gas fields	-	151.32	148.06	136.61	137.16	-	3.62	3.62	3.34	3.37
138	Oil and gas field services	-	153.25	153.38	138.22	139.02	-	3.31	3.32	3.12	3.11
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	151.54	152.38	143.06	142.60	-	3.28	3.27	3.07	3.06
142	Crushed and broken stone	-	154.55	156.01	145.61	144.83	-	3.24	3.23	2.99	2.98
	CONTRACT CONSTRUCTION	187.38	183.44	181.34	170.72	168.30	4.78	4.74	4.71	4.40	4.36
15	GENERAL BUILDING CONTRACTORS	-	170.29	167.44	156.88	154.61	-	4.59	4.55	4.24	4.19
16	HEAVY CONSTRUCTION CONTRACTORS	-	190.48	188.75	180.94	178.76	-	4.44	4.41	4.15	4.10
161	Highway and street construction	-	185.32	181.88	179.69	180.50	-	4.27	4.22	4.02	4.02
162	Heavy construction, n.e.c.	-	195.50	194.65	182.32	177.66	-	4.60	4.58	4.30	4.20
17	SPECIAL TRADE CONTRACTORS	-	188.75	187.90	173.63	171.86	-	5.02	5.00	4.63	4.62
171	Plumbing, heating, air conditioning	-	204.36	200.58	184.30	180.78	-	5.20	5.13	4.75	4.72
172	Painting, paper hanging, decorating	-	168.98	167.19	157.61	155.09	-	4.72	4.67	4.33	4.32
173	Electrical work	-	224.22	224.62	199.92	200.07	-	5.55	5.56	5.10	5.13
174	Masonry, stonework, and plastering	-	170.31	170.45	161.53	158.75	-	4.88	4.87	4.55	4.51
176	Roofing and sheetmetal work	-	157.60	154.61	146.83	146.16	-	4.39	4.38	4.09	4.06
	MANUFACTURING	129.11	129.20	129.65	121.69	122.10	3.18	3.19	3.17	2.99	3.00
19,24,25,32-39	DURABLE GOODS	138.51	137.83	139.44	130.29	131.02	3.37	3.37	3.36	3.17	3.18
20-23,26-31	NONDURABLE GOODS	116.11	116.22	115.31	110.55	110.00	2.91	2.92	2.89	2.75	2.75
	Durable Goods										
19	ORDNANCE AND ACCESSORIES	139.04	137.26	140.76	134.05	132.02	3.45	3.44	3.45	3.23	3.22
192	Ammunition, except for small arms	135.04	132.21	137.08	131.43	128.79	3.41	3.39	3.41	3.19	3.18
1925	Complete guided missiles	-	166.00	166.69	153.14	152.77	-	4.00	3.95	3.69	3.69
1929	Ammunition, exc. for small arms, nec	-	114.30	120.51	118.08	114.11	-	3.04	3.09	2.88	2.86
24	LUMBER AND WOOD PRODUCTS	110.15	108.65	110.30	107.53	105.41	2.74	2.73	2.71	2.61	2.59
242	Sawmills and planing mills	104.94	103.10	105.82	104.42	101.43	2.63	2.61	2.60	2.51	2.48
2421	Sawmills and planing mills, general	-	106.38	108.81	108.00	105.22	-	2.70	2.68	2.59	2.56
243	Millwork, plywood & related products	116.06	114.05	116.69	113.71	111.79	2.88	2.88	2.86	2.74	2.72
2431	Millwork	-	110.68	114.69	110.02	106.67	-	2.86	2.86	2.69	2.66
2432	Veneer and plywood	-	115.26	116.60	115.50	115.50	-	2.86	2.83	2.75	2.75
244	Wooden containers	90.85	91.77	92.62	88.18	89.02	2.30	2.30	2.27	2.21	2.22
2441,2	Wooden boxes, shooks, and crates	-	90.63	91.02	87.20	86.80	-	2.26	2.22	2.18	2.17
249	Miscellaneous wood products	99.22	98.25	99.87	94.94	93.09	2.42	2.42	2.43	2.31	2.31
25	FURNITURE AND FIXTURES	107.86	104.01	106.90	102.18	99.14	2.65	2.62	2.62	2.48	2.46
251	Household furniture	100.50	97.07	100.04	96.35	93.20	2.50	2.47	2.47	2.35	2.33
2511	Wood household furniture	-	93.60	95.82	91.52	89.35	-	2.34	2.32	2.20	2.19
2512	Upholstered household furniture	-	101.64	106.40	101.81	96.97	-	2.64	2.66	2.52	2.48
2515	Mattresses and bedsprings	-	103.79	106.38	104.12	103.34	-	2.71	2.70	2.59	2.59
252	Office furniture	-	120.47	125.54	121.26	117.60	-	2.91	2.94	2.82	2.80
254	Partitions and fixtures	-	136.36	134.50	124.23	125.05	-	3.27	3.21	3.03	3.05
253,9	Other furniture and fixtures	113.68	108.42	114.05	108.00	103.02	2.80	2.78	2.83	2.59	2.55
32	STONE, CLAY, AND GLASS PRODUCTS	134.51	133.56	134.41	128.05	126.30	3.18	3.18	3.17	3.02	3.00
321	Flat glass	-	173.45	177.12	164.21	156.11	-	4.12	4.10	3.81	3.78
322	Glass and glassware, pressed or blown	132.44	130.73	132.36	125.56	125.56	3.27	3.26	3.26	3.07	3.07
3221	Glass containers	-	135.94	137.09	131.84	132.70	-	3.39	3.36	3.20	3.19
3229	Pressed and blown glass, n.e.c.	-	123.41	125.64	115.83	114.91	-	3.07	3.11	2.86	2.88
324	Cement, hydraulic	153.77	154.14	152.64	147.91	148.19	3.67	3.67	3.60	3.53	3.52
325	Structural clay products	110.70	109.88	110.56	105.37	105.37	2.70	2.68	2.69	2.57	2.57
3251	Brick and structural clay tile	-	106.85	105.75	101.82	101.82	-	2.55	2.53	2.43	2.43
326	Pottery and related products	-	110.01	112.97	107.80	108.36	-	2.85	2.86	2.75	2.80
327	Concrete, gypsum, and plaster products	145.22	143.04	144.45	139.08	138.16	3.22	3.20	3.21	3.05	3.01
328,9	Other stone and nonmetallic mineral products	132.39	131.43	133.34	124.12	122.40	3.19	3.19	3.19	3.02	3.00
3291	Abrasive products	-	132.72	130.68	117.81	122.49	-	3.36	3.30	3.06	3.07

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
-	TOTAL PRIVATE	38.3	38.1	38.0	38.3	38.2	-	-	-	-	-
-	MINING	43.0	43.4	42.5	43.3	43.6	-	-	-	-	-
10	METAL MINING	-	43.6	43.4	44.2	44.4	-	-	-	-	-
101	Iron ores	-	41.3	41.7	42.0	42.9	-	-	-	-	-
102	Copper ores	-	47.2	46.3	48.1	48.3	-	-	-	-	-
11,12	COAL MINING	-	(*)	35.6	40.7	(*)	-	-	-	-	-
12	Bituminous coal and lignite mining . .	-	(*)	35.7	40.9	(*)	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	44.6	44.1	42.9	43.1	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	41.8	40.9	40.9	40.7	-	-	-	-	-
138	Oil and gas field services	-	46.3	46.2	44.3	44.7	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	46.2	46.6	46.6	46.6	-	-	-	-	-
142	Crushed and broken stone	-	47.7	48.3	48.7	48.6	-	-	-	-	-
-	CONTRACT CONSTRUCTION	39.2	38.7	38.5	38.8	38.6	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS . . .	-	37.1	36.8	37.0	36.9	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS . .	-	42.9	42.8	43.6	43.6	-	-	-	-	-
161	Highway and street construction . . .	-	43.4	43.1	44.7	44.9	-	-	-	-	-
162	Heavy construction, n e c	-	42.5	42.5	42.4	42.3	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	37.6	37.5	37.5	37.2	-	-	-	-	-
171	Plumbing, heating, air conditioning . .	-	39.3	39.1	38.8	38.3	-	-	-	-	-
172	Painting, paper hanging, decorating . .	-	35.8	35.8	36.4	35.9	-	-	-	-	-
173	Electrical work	-	40.4	40.4	39.2	39.0	-	-	-	-	-
174	Masonry, stonework, and plastering . .	-	34.9	35.0	35.5	35.2	-	-	-	-	-
176	Roofing and sheet metal work	-	35.9	35.3	35.9	36.0	-	-	-	-	-
-	MANUFACTURING	40.6	40.5	40.9	40.7	40.7	3.6	3.5	3.7	3.6	3.5
19,24,25, 32-39	DURABLE GOODS	41.1	40.9	41.5	41.1	41.2	3.7	3.6	3.9	3.6	3.6
20-23,26-31	NONDURABLE GOODS	39.9	39.8	39.9	40.2	40.0	3.4	3.4	3.4	3.5	3.4
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	40.3	39.9	40.8	41.5	41.0	-	2.2	2.7	3.7	3.2
192	Ammunition, except for small arms . .	39.6	39.0	40.2	41.2	40.5	-	1.5	2.2	3.6	3.1
1925	Complete guided missiles	-	41.5	42.2	41.5	41.4	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec	-	37.6	39.0	41.0	39.9	-	-	-	-	-
24	LUMBER AND WOOD PRODUCTS	40.2	39.8	40.7	41.2	40.7	-	3.4	4.1	4.2	4.0
242	Sawmills and planing mills	39.9	39.5	40.7	41.6	40.9	-	3.5	4.1	4.6	4.3
2421	Sawmills and planing mills, general	-	39.4	40.6	41.7	41.1	-	-	-	-	-
243	Millwork, plywood & related products .	40.3	39.6	40.8	41.5	41.1	-	2.9	3.5	4.2	4.0
2431	Millwork	-	38.7	40.1	40.9	40.1	-	-	-	-	-
2432	Veneer and plywood	-	40.3	41.2	42.0	42.0	-	-	-	-	-
244	Wooden containers	39.5	39.9	40.8	39.9	40.1	-	3.9	4.4	3.1	3.2
2441,2	Wooden boxes, shooks, and crates . . .	-	40.1	41.0	40.0	40.0	-	-	-	-	-
249	Miscellaneous wood products	41.0	40.6	41.1	41.1	40.3	-	3.8	4.3	3.6	3.5
25	FURNITURE AND FIXTURES	40.7	39.7	40.8	41.2	40.3	-	2.9	3.4	3.7	3.1
251	Household furniture	40.2	39.3	40.5	41.0	40.0	-	2.6	3.2	3.5	2.8
2511	Wood household furniture	-	40.0	41.3	41.6	40.8	-	-	-	-	-
2512	Upholstered household furniture	-	38.5	40.0	40.4	39.1	-	-	-	-	-
2515	Mattresses and bedsprings	-	38.3	39.4	40.2	39.9	-	-	-	-	-
252	Office furniture	-	41.4	42.7	43.0	42.0	-	4.3	4.9	4.9	4.4
254	Partitions and fixtures	-	41.7	41.9	41.0	41.0	-	4.2	4.4	3.8	3.9
253,9	Other furniture and fixtures	40.6	39.0	40.3	41.7	40.4	-	2.7	3.2	4.5	3.3
32	STONE, CLAY, AND GLASS PRODUCTS . .	42.3	42.0	42.4	42.4	42.1	-	4.7	5.0	4.8	4.6
321	Flat glass	-	42.1	43.2	43.1	41.3	-	4.2	3.9	4.6	4.3
322	Glass and glassware, pressed or blown	40.5	40.1	40.6	40.9	40.9	-	4.6	4.4	4.6	4.6
3221	Glass containers	-	40.1	40.8	41.2	41.6	-	-	-	-	-
3229	Pressed and blown glass, n e c	-	40.2	40.4	40.5	39.9	-	-	-	-	-
324	Cement, hydraulic	41.9	42.0	42.4	41.9	42.1	-	3.2	3.0	2.9	2.9
325	Structural clay products	41.0	41.0	41.1	41.0	41.0	-	4.0	4.1	3.9	4.0
3251	Brick and structural clay tile	-	41.9	41.8	41.9	41.9	-	-	-	-	-
326	Pottery and related products	-	38.6	39.5	39.2	38.7	-	2.2	2.6	2.1	2.3
327	Concrete, gypsum and plaster products	45.1	44.7	45.0	45.6	45.9	-	7.0	7.2	7.5	7.3
328,9	Other stone and nonmetallic mineral products	41.5	41.2	41.8	41.1	40.8	-	3.6	4.3	3.5	3.1
3291	Abrasive products	-	39.5	39.6	38.5	39.9	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	\$156.87	\$157.66	\$157.92	\$142.36	\$148.75	\$3.78	\$3.79	\$3.76	\$3.55	\$3.55
331	Blast furnace and basic steel products ..	(*)	167.23	165.57	144.39	157.13	(*)	4.02	3.98	3.77	3.75
3312	Blast furnaces and steel mills	-	169.32	167.26	145.54	159.60	-	4.08	4.04	3.84	3.80
332	Iron and steel foundries	144.38	145.44	148.19	137.28	137.52	3.53	3.53	3.52	3.30	3.29
3321	Gray iron foundries	-	145.91	148.26	139.02	139.50	-	3.55	3.53	3.31	3.29
3322	Malleable iron foundries	-	147.65	148.47	138.51	134.46	-	3.61	3.63	3.42	3.37
3323	Steel foundries.....	-	143.52	148.17	132.75	133.58	-	3.45	3.47	3.23	3.25
333,4	Nonferrous metals	152.88	154.28	153.00	144.67	143.65	3.64	3.63	3.60	3.42	3.38
3334	Primary aluminum	-	165.62	167.66	159.36	155.74	-	4.02	4.04	3.84	3.78
335	Nonferrous rolling and drawing	152.72	149.03	154.94	143.14	142.19	3.56	3.54	3.57	3.36	3.33
3351	Copper rolling and drawing	-	154.22	161.64	145.09	147.90	-	3.57	3.60	3.39	3.40
3352	Aluminum rolling and drawing	-	153.30	157.50	148.01	147.27	-	3.65	3.68	3.45	3.37
3357	Nonferrous wire drawing and insulating ..	-	143.94	149.99	140.15	136.54	-	3.46	3.48	3.29	3.29
336	Nonferrous foundries	136.20	134.46	137.86	127.70	125.83	3.33	3.32	3.33	3.13	3.13
3361	Aluminum castings	-	137.08	141.25	130.70	127.66	-	3.41	3.42	3.18	3.16
3362,9	Other nonferrous castings.....	-	131.78	134.46	124.74	124.31	-	3.23	3.24	3.08	3.10
339	Miscellaneous primary metal products ...	167.16	165.57	168.75	154.50	156.79	3.98	3.98	3.98	3.75	3.76
3391	Iron and steel forgings	-	167.68	175.55	158.36	161.90	-	4.12	4.15	3.91	3.92
34	FABRICATED METAL PRODUCTS	138.61	136.86	139.86	132.09	130.41	3.34	3.33	3.33	3.16	3.15
341	Metal cans	177.84	175.44	167.04	176.53	170.57	3.90	3.89	3.84	3.78	3.70
342	Cutlery, hand tools, and hardware	128.32	127.60	129.74	122.70	122.82	3.20	3.19	3.18	3.00	3.04
3421,3,5	Cutlery and hand tools, incl. saws.....	-	124.84	126.59	116.64	118.26	-	3.09	3.08	2.88	2.92
3429	Hardware, n e c	-	129.75	131.95	126.90	125.33	-	3.26	3.25	3.08	3.11
343	Plumbing and heating, except electric ...	125.02	122.45	128.86	120.58	117.38	3.11	3.10	3.12	2.97	2.92
3431,2	Sanitary ware & plumbers' brass goods ..	-	121.83	131.56	120.80	118.26	-	3.14	3.17	2.99	2.92
3433	Heating equipment, except electric....	-	123.01	126.59	119.66	116.51	-	3.06	3.08	2.94	2.92
344	Fabricated structural metal products	137.28	134.81	136.27	128.44	126.38	3.30	3.28	3.26	3.11	3.09
3441	Fabricated structural steel.....	-	134.48	135.53	128.54	129.89	-	3.28	3.25	3.12	3.10
3442	Metal doors, sash, and trim	-	110.83	115.49	110.70	109.32	-	2.82	2.81	2.72	2.68
3443	Fabricated plate work (boiler shops) ..	-	147.63	145.67	137.19	132.60	-	3.49	3.46	3.29	3.25
3444	Sheet metal work	-	142.80	145.46	131.84	130.73	-	3.50	3.48	3.20	3.22
3446,9	Architectural and misc. metal work	-	130.31	131.75	129.25	126.77	-	3.11	3.10	3.07	3.04
345	Screw machine products, bolts, etc.....	143.99	143.14	146.50	133.76	133.34	3.38	3.36	3.36	3.14	3.13
3451	Screw machine products	-	137.99	140.61	126.90	126.72	-	3.27	3.27	3.00	3.01
3452	Bolts, nuts, rivets, and washers	-	147.58	152.05	139.96	139.32	-	3.44	3.44	3.27	3.24
346	Metal stampings	153.82	151.16	157.56	146.28	145.39	3.68	3.66	3.69	3.45	3.47
347	Metal services, n e c	120.25	118.78	121.25	113.55	112.44	2.94	2.94	2.95	2.79	2.79
348	Misc. fabricated wire products.....	121.40	121.00	123.11	115.46	117.26	3.02	3.01	3.01	2.83	2.86
349	Misc. fabricated metal products.....	133.72	131.38	135.34	127.51	126.79	3.23	3.21	3.23	3.08	3.07
3494,8	Valves, pipe, and pipe fittings	-	133.25	138.42	130.00	127.82	-	3.25	3.28	3.14	3.11
35	MACHINERY, EXCEPT ELECTRICAL	148.81	148.81	151.66	139.03	139.70	3.56	3.56	3.56	3.35	3.35
351	Engines and turbines	151.67	152.80	159.03	142.56	151.06	3.83	3.82	3.86	3.60	3.64
3511	Steam engines and turbines	-	154.79	159.12	142.43	153.03	-	3.86	3.90	3.69	3.76
3519	Internal combustion engines, n e c	-	152.40	158.98	142.40	150.48	-	3.81	3.84	3.56	3.60
352	Farm machinery	-	134.64	139.15	129.30	132.33	-	3.47	3.47	3.29	3.35
353	Construction and related machinery....	146.37	148.19	151.01	140.11	140.78	3.51	3.52	3.52	3.36	3.36
3531,2	Construction and mining machinery.....	-	150.54	154.57	144.42	143.66	-	3.61	3.62	3.48	3.47
3533	Oil field machinery.....	-	140.48	140.71	134.30	132.60	-	3.29	3.28	3.16	3.12
3535,6	Conveyors, hoists, cranes, monorails....	-	155.49	153.65	138.42	146.73	-	3.55	3.50	3.28	3.35
3537	Industrial trucks and tractors	-	140.28	144.39	128.13	129.38	-	3.34	3.35	3.08	3.11
354	Metal working machinery	168.30	169.56	171.88	153.36	157.11	3.86	3.88	3.88	3.60	3.62
3541	Machine tools, metal cutting types	-	162.69	167.26	145.67	149.25	-	3.81	3.81	3.51	3.52
3544	Special dies, tools, jigs & fixtures ..	-	185.06	193.58	170.72	177.18	-	4.14	4.19	3.88	3.92
3545	Machine tool accessories	-	152.15	151.01	137.45	143.19	-	3.64	3.57	3.32	3.33
3542,8	Misc. metal working machinery	-	160.52	153.65	142.30	139.18	-	3.64	3.59	3.38	3.37
355	Special industry machinery.....	138.86	139.28	143.19	132.51	133.24	3.33	3.34	3.33	3.17	3.18
3551	Food products machinery	-	145.08	149.53	138.42	138.51	-	3.53	3.51	3.28	3.29
3552	Textile machinery	-	118.71	120.56	112.19	111.11	-	2.84	2.83	2.71	2.71
3555	Printing trades machinery.....	-	149.94	155.16	142.62	143.87	-	3.57	3.60	3.47	3.45
356	General industrial machinery	149.94	147.26	150.17	140.37	137.37	3.57	3.54	3.55	3.35	3.31
3561	Pumps and compressors	-	141.80	144.90	137.25	133.76	-	3.45	3.45	3.26	3.20
3562	Ball and roller bearings	-	149.97	154.45	148.78	145.78	-	3.64	3.66	3.46	3.43
3564	Blowers and fans	-	142.10	137.34	130.38	129.56	-	3.32	3.27	3.18	3.16
3566	Power transmission equipment.....	-	148.75	153.28	136.29	135.14	-	3.50	3.54	3.30	3.28
357	Office and computing machines	149.87	148.37	151.68	135.35	135.46	3.62	3.61	3.62	3.35	3.32
3573	Electronic computing equipment	-	148.73	151.62	138.27	137.52	-	3.61	3.61	3.30	3.29
358	Service industry machines	130.97	131.61	133.63	121.81	118.11	3.21	3.21	3.22	3.03	2.99
3585	Refrigeration machinery	-	133.25	136.69	121.70	117.81	-	3.25	3.27	3.05	2.99
359	Misc. machinery, except electrical.....	145.95	145.18	147.06	135.46	135.04	3.41	3.40	3.42	3.21	3.20

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
<i>Durable Goods--Continued</i>											
33	PRIMARY METAL INDUSTRIES	41.5	41.6	42.0	40.1	41.9	-	3.9	4.2	3.3	4.2
331	Blast furnace and basic steel products	(*)	41.6	41.6	38.3	41.9	-	3.4	3.3	1.9	3.9
3312	Blast furnaces and steel mills	-	41.5	41.4	37.9	42.0	-	-	-	-	-
332	Iron and steel foundries	40.9	41.2	42.1	41.6	41.8	-	4.7	4.7	4.9	5.0
3321	Gray iron foundries	-	41.1	42.0	42.0	42.4	-	-	-	-	-
3322	Malleable iron foundries	-	40.9	40.9	40.5	39.9	-	-	-	-	-
3323	Steel foundries	-	41.6	42.7	41.1	41.1	-	-	-	-	-
333,4	Nonferrous metals	42.0	42.5	42.5	42.3	42.5	-	4.7	4.6	4.3	4.2
3334	Primary aluminum	-	41.2	41.5	41.5	41.2	-	-	-	-	-
335	Nonferrous rolling and drawing	42.9	42.1	43.4	42.6	42.7	-	4.4	5.8	4.7	4.7
3351	Copper rolling and drawing	-	43.2	44.9	42.8	43.5	-	-	-	-	-
3352	Aluminum rolling and drawing	-	42.0	42.8	42.9	43.7	-	-	-	-	-
3357	Nonferrous wire drawing and insulating	-	41.6	43.1	42.6	41.5	-	-	-	-	-
336	Nonferrous foundries	40.9	40.5	41.4	40.8	40.2	-	3.7	4.2	3.9	3.5
3361	Aluminum castings	-	40.2	41.3	41.1	40.4	-	-	-	-	-
3362,9	Other nonferrous castings	-	40.8	41.5	40.5	40.1	-	-	-	-	-
339	Miscellaneous primary metal products	42.0	41.6	42.4	41.2	41.7	-	4.7	5.4	4.5	4.6
3391	Iron and steel forgings	-	40.7	42.3	40.5	41.3	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	41.5	41.1	42.0	41.8	41.4	-	4.0	4.4	4.4	4.0
341	Metal cans	45.6	45.1	43.5	46.7	46.1	-	5.8	4.7	7.9	6.5
342	Cutlery, hand tools, and hardware	40.1	40.0	40.8	40.9	40.4	-	2.8	3.2	3.2	2.7
3421,3,5	Cutlery and hand tools, incl. saws	-	40.4	41.1	40.5	40.5	-	-	-	-	-
3429	Hardware, n e c	-	39.8	40.6	41.2	40.3	-	-	-	-	-
343	Plumbing and heating, except electric	40.2	39.5	41.3	40.6	40.2	-	2.4	3.5	3.1	2.5
3431,2	Sanitary ware & plumbers' brass goods	-	38.8	41.5	40.4	40.5	-	-	-	-	-
3433	Heating equipment, except electric	-	40.2	41.1	40.7	39.9	-	-	-	-	-
344	Fabricated structural metal products	41.6	41.1	41.8	41.3	40.9	-	4.0	4.1	4.0	3.6
3441	Fabricated structural steel	-	41.0	41.7	41.2	41.9	-	-	-	-	-
3442	Metal doors, sash, and trim	-	39.3	41.1	40.7	39.3	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	42.3	42.1	41.7	40.8	-	-	-	-	-
3444	Sheet metal work	-	40.8	41.8	41.2	40.6	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	41.9	42.5	42.1	41.7	-	-	-	-	-
345	Screw machine products, bolts, etc.	42.6	42.6	43.6	42.6	42.6	-	4.6	5.9	4.5	4.9
3451	Screw machine products	-	42.2	43.0	42.3	42.1	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	42.9	44.2	42.8	43.0	-	-	-	-	-
346	Metal stampings	41.8	41.3	42.7	42.4	41.9	-	5.1	5.3	5.6	5.0
347	Metal services, n e c	40.9	40.4	41.1	40.7	40.3	-	4.1	4.3	4.1	3.8
348	Misc. fabricated wire products	40.2	40.2	40.9	40.8	41.0	-	3.3	3.5	3.6	3.8
349	Misc. fabricated metal products	41.4	40.8	41.9	41.4	41.3	-	3.5	4.3	3.8	3.6
3494,8	Valves, pipe, and pipe fittings	-	41.0	42.2	41.4	41.1	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	41.8	41.8	42.6	41.5	41.7	-	4.1	4.6	3.7	3.7
351	Engines and turbines	39.6	40.0	41.2	39.6	41.5	-	2.7	4.5	3.4	3.9
3511	Steam engines and turbines	-	40.1	40.8	38.6	40.7	-	-	-	-	-
3519	Internal combustion engines, n e c	-	40.0	41.4	40.0	41.8	-	-	-	-	-
352	Farm machinery	-	38.8	40.1	39.3	39.5	-	2.2	2.4	2.0	2.2
353	Construction and related machinery	41.7	42.1	42.9	41.7	41.9	-	4.5	4.8	3.8	3.8
3531,2	Construction and mining machinery	-	41.7	42.7	41.5	41.4	-	-	-	-	-
3533	Oil field machinery	-	42.7	42.9	42.5	42.5	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	43.8	43.9	42.2	43.8	-	-	-	-	-
3537	Industrial trucks and tractors	-	42.0	43.1	41.6	41.6	-	-	-	-	-
354	Metal working machinery	43.6	43.7	44.3	42.6	43.4	-	5.6	6.0	4.7	4.9
3541	Machine tools, metal cutting types	-	42.7	43.9	41.5	42.4	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	44.7	46.2	44.0	45.2	-	-	-	-	-
3545	Machine tool accessories	-	41.8	42.3	41.4	43.0	-	-	-	-	-
3542,8	Misc. metal working machinery	-	44.1	42.8	42.1	41.3	-	-	-	-	-
355	Special industry machinery	41.7	41.7	43.0	41.8	41.9	-	3.8	4.9	3.9	3.9
3551	Food products machinery	-	41.1	42.6	42.2	42.1	-	-	-	-	-
3552	Textile machinery	-	41.8	42.6	41.4	41.0	-	-	-	-	-
3555	Printing trades machinery	-	42.0	43.1	41.1	41.7	-	-	-	-	-
356	General industrial machinery	42.0	41.6	42.3	41.9	41.5	-	4.0	4.2	3.8	3.5
3561	Pumps and compressors	-	41.1	42.0	42.1	41.8	-	-	-	-	-
3562	Ball and roller bearings	-	41.2	42.3	43.0	42.5	-	-	-	-	-
3564	Blowers and fans	-	42.8	42.0	41.0	41.0	-	-	-	-	-
3566	Power transmission equipment	-	42.5	43.3	41.3	41.2	-	-	-	-	-
357	Office and computing machines	41.4	41.1	41.9	40.7	40.8	-	3.0	3.4	2.2	2.0
3573	Electronic computing equipment	-	41.2	42.0	41.9	41.8	-	-	-	-	-
358	Service industry machines	40.8	41.0	41.5	40.2	39.5	-	3.3	3.6	2.3	2.6
3585	Refrigeration machinery	-	41.0	41.8	39.9	39.4	-	-	-	-	-
359	Misc. machinery, except electrical	42.8	42.7	43.0	42.2	42.2	-	4.9	5.3	4.7	4.8

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$124.22	\$122.98	\$125.36	\$117.97	\$116.11	\$3.09	\$3.09	\$3.08	\$2.92	\$2.91
361	Electric test & distributing equipment ...	131.46	133.16	133.76	124.75	124.64	3.23	3.24	3.20	3.05	3.04
3611	Electric measuring instruments	-	117.51	117.97	114.49	114.65	-	2.96	2.92	2.82	2.81
3612	Transformers	-	135.01	135.56	129.17	128.96	-	3.23	3.22	3.12	3.10
3613	Switchgear and switchboard apparatus...	-	144.28	144.41	129.74	129.65	-	3.46	3.39	3.18	3.17
362	Electrical industrial apparatus	130.88	130.56	133.54	122.21	123.93	3.20	3.20	3.21	3.01	3.03
3621	Motors and generators	-	132.25	135.43	123.82	125.66	-	3.21	3.24	3.02	3.05
3622	Industrial controls	-	127.26	130.70	118.00	117.60	-	3.15	3.18	2.95	2.94
363	Household appliances	132.66	131.20	132.44	128.64	125.60	3.30	3.28	3.27	3.13	3.14
3632	Household refrigerators and freezers ...	-	146.37	144.23	140.22	135.94	-	3.57	3.57	3.42	3.39
3633	Household laundry equipment	-	135.54	141.58	137.28	130.54	-	3.44	3.47	3.30	3.28
3634	Electric housewares and fans	-	105.57	107.07	102.66	98.94	-	2.70	2.67	2.56	2.55
364	Electric lighting and wiring equipment ...	116.98	113.00	116.69	110.55	108.35	2.91	2.89	2.91	2.75	2.75
3641	Electric lamps	-	109.82	114.84	110.80	108.08	-	2.86	2.90	2.77	2.75
3642	Lighting fixtures	-	113.10	117.91	110.15	108.81	-	2.93	2.97	2.74	2.79
3643,4	Wiring devices	-	114.73	117.22	110.15	108.26	-	2.89	2.88	2.74	2.72
365	Radio and TV receiving equipment	105.96	102.87	104.91	99.00	95.48	2.71	2.70	2.69	2.50	2.48
366	Communication equipment	140.48	138.00	141.59	132.19	129.44	3.46	3.45	3.42	3.24	3.22
3661	Telephone and telegraph apparatus	-	137.81	146.58	135.12	126.10	-	3.48	3.49	3.32	3.25
3662	Radio and TV communication equipment ..	-	138.29	138.92	130.88	130.56	-	3.44	3.38	3.20	3.20
367	Electronic components and accessories ..	105.32	104.13	106.27	101.52	99.71	2.68	2.67	2.67	2.57	2.55
3671-3	Electron tubes	-	111.93	117.49	110.60	108.70	-	2.87	2.93	2.80	2.78
3674,9	Other electronic components	-	102.57	104.01	99.15	97.75	-	2.63	2.62	2.51	2.50
369	Misc. electrical equipment & supplies....	136.75	134.74	138.43	129.92	127.52	3.36	3.36	3.36	3.20	3.18
3694	Engine electrical equipment	-	139.70	143.50	131.99	132.33	-	3.51	3.50	3.35	3.35
37	TRANSPORTATION EQUIPMENT	160.63	162.21	160.58	150.70	152.52	3.88	3.89	3.86	3.64	3.64
371	Motor vehicles and equipment	(*)	174.69	170.52	158.18	163.24	(*)	4.12	4.06	3.83	3.85
3711	Motor vehicles	-	181.89	172.64	159.99	165.06	-	4.23	4.15	4.03	3.93
3712	Passenger car bodies	-	191.74	184.47	205.62	164.83	-	4.48	4.31	4.60	4.04
3713	Truck and bus bodies	-	141.04	136.75	130.82	132.75	-	3.44	3.36	3.23	3.23
3714	Motor vehicle parts and accessories ...	-	173.45	173.01	159.89	167.57	-	4.12	4.09	3.78	3.87
3715	Truck trailers	-	121.50	127.98	121.69	120.88	-	3.03	3.04	2.99	2.97
372	Aircraft and parts	161.70	159.74	158.95	152.04	150.72	3.85	3.84	3.83	3.62	3.58
3721	Aircraft	-	160.51	159.74	152.82	151.01	-	3.84	3.84	3.63	3.57
3722	Aircraft engines and engine parts	-	158.28	155.93	151.57	149.19	-	3.87	3.85	3.67	3.63
3723,9	Other aircraft parts and equipment	-	158.38	159.42	151.59	151.59	-	3.78	3.76	3.55	3.55
373	Ship and boat building and repairing	146.78	145.60	146.08	136.12	133.20	3.58	3.56	3.52	3.42	3.33
3731	Ship building and repairing	-	154.98	156.42	145.20	141.55	-	3.78	3.76	3.63	3.53
3732	Boat building and repairing	-	114.65	114.67	104.01	106.00	-	2.81	2.79	2.66	2.65
374	Railroad equipment	-	157.82	156.70	139.55	139.04	-	3.84	3.85	3.56	3.52
375,9	Other transportation equipment	-	114.55	117.56	114.95	112.20	-	2.90	2.91	2.79	2.75
38	INSTRUMENTS AND RELATED PRODUCTS ..	127.89	126.86	129.15	120.80	119.39	3.15	3.14	3.15	2.99	2.97
381	Engineering & scientific instruments	-	145.91	148.61	134.64	136.45	-	3.55	3.53	3.30	3.32
382	Mechanical measuring & control devices..	124.62	125.33	127.08	118.30	115.63	3.10	3.11	3.13	2.95	2.92
3821	Mechanical measuring devices	-	128.43	129.97	118.50	117.12	-	3.14	3.17	2.97	2.95
3822	Automatic temperature controls	-	120.87	123.91	117.68	113.47	-	3.06	3.09	2.92	2.88
383,5	Optical and ophthalmic goods	119.10	117.12	120.99	112.00	110.09	2.97	2.95	2.98	2.80	2.78
385	Ophthalmic goods	-	106.35	110.00	100.98	98.67	-	2.72	2.75	2.55	2.53
384	Medical instruments and supplies	109.85	108.78	110.97	102.56	101.91	2.76	2.74	2.74	2.59	2.58
386	Photographic equipment and supplies	155.06	152.82	153.91	149.95	144.50	3.64	3.63	3.63	3.52	3.40
387	Watches, clocks, and watchcases	-	93.97	100.10	91.96	90.52	-	2.46	2.56	2.42	2.44
39	MISC. MANUFACTURING INDUSTRIES	103.49	101.64	103.88	98.11	96.36	2.64	2.64	2.65	2.49	2.49
391	Jewelry, silverware, and plated ware....	115.34	109.71	113.87	109.81	106.92	2.92	2.91	2.89	2.78	2.77
394	Toys and sporting goods	-	89.96	90.68	87.98	86.26	-	2.38	2.38	2.25	2.27
3941-3	Games, toys, dolls & play vehicles....	-	85.93	86.10	83.81	81.97	-	2.31	2.29	2.16	2.18
3949	Sporting and athletic goods, n e c	-	96.11	97.64	95.59	92.49	-	2.49	2.51	2.42	2.39
395	Pens, pencils, office and art supplies....	-	103.75	104.54	99.29	96.29	-	2.64	2.62	2.47	2.45
396	Costume jewelry and notions	-	94.22	95.16	89.78	88.32	-	2.46	2.44	2.32	2.30
393,8,9	Other manufacturing industries	113.03	111.33	113.83	105.47	104.15	2.84	2.84	2.86	2.65	2.65
393	Musical instruments and parts	-	106.37	111.04	104.54	103.88	-	2.77	2.79	2.64	2.65
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	120.42	121.95	120.25	114.96	115.51	2.93	2.96	2.94	2.77	2.79
201	Meat products	129.27	129.27	126.18	123.48	124.07	3.10	3.13	3.07	2.94	2.94
2011	Meat packing plants	-	156.28	150.42	147.83	147.06	-	3.66	3.59	3.43	3.42
2013	Sausages and other prepared meats	-	146.58	140.90	134.14	137.01	-	3.49	3.42	3.24	3.27
2015	Poultry dressing plants	-	79.75	80.40	78.36	78.53	-	2.05	2.02	1.93	1.92

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.2	39.8	40.7	40.4	39.9	-	2.5	2.9	2.7	2.3
361	Electric test & distributing equipment	40.7	41.1	41.8	40.9	41.0	-	3.5	3.5	2.8	2.9
3611	Electric measuring instruments	-	39.7	40.4	40.6	40.8	-	-	-	-	-
3612	Transformers	-	41.8	42.1	41.4	41.6	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.7	42.6	40.8	40.9	-	-	-	-	-
362	Electrical industrial apparatus	40.9	40.8	41.6	40.6	40.9	-	3.4	3.9	2.9	2.9
3621	Motors and generators	-	41.2	41.8	41.0	41.2	-	-	-	-	-
3622	Industrial controls	-	40.4	41.1	40.0	40.0	-	-	-	-	-
363	Household appliances	40.2	40.0	40.5	41.1	40.0	-	2.7	2.8	3.4	2.6
3632	Household refrigerators and freezers	-	41.0	40.4	41.0	40.1	-	-	-	-	-
3633	Household laundry equipment	-	39.4	40.8	41.6	39.8	-	-	-	-	-
3634	Electric housewares and fans	-	39.1	40.1	40.1	38.8	-	-	-	-	-
364	Electric lighting and wiring equipment	40.2	39.1	40.1	40.2	39.4	-	2.1	2.6	2.7	2.1
3641	Electric lamps	-	38.4	39.6	40.0	39.3	-	-	-	-	-
3642	Lighting fixtures	-	38.6	39.7	40.2	39.0	-	-	-	-	-
3643,4	Wiring devices	-	39.7	40.7	40.2	39.8	-	-	-	-	-
365	Radio and TV receiving equipment	39.1	38.1	39.0	39.6	38.5	-	1.7	1.7	2.3	1.4
366	Communication equipment	40.6	40.0	41.4	40.8	40.2	-	2.5	3.4	2.6	2.3
3661	Telephone and telegraph apparatus	-	39.6	42.0	40.7	38.8	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.2	41.1	40.9	40.8	-	-	-	-	-
367	Electronic components and accessories	39.3	39.0	39.8	39.5	39.1	-	2.0	2.4	2.3	2.0
3671-3	Electron tubes	-	39.0	40.1	39.5	39.1	-	-	-	-	-
3674,9	Other electronic components	-	39.0	39.7	39.5	39.1	-	-	-	-	-
369	Misc. electrical equipment & supplies	40.7	40.1	41.2	40.6	40.1	-	2.5	3.0	3.5	2.3
3694	Engine electrical equipment	-	39.8	41.0	39.4	39.5	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	41.4	41.7	41.6	41.4	41.9	-	4.0	3.9	4.1	4.3
371	Motor vehicles and equipment	(*)	42.4	42.0	41.3	42.4	-	4.7	4.5	4.9	5.1
3711	Motor vehicles	-	43.0	41.6	39.7	42.0	-	-	-	-	-
3712	Passenger car bodies	-	42.8	42.8	44.7	40.8	-	-	-	-	-
3713	Truck and bus bodies	-	41.0	40.7	40.5	41.1	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	42.1	42.3	42.3	43.3	-	-	-	-	-
3715	Truck trailers	-	40.1	42.1	40.7	40.7	-	-	-	-	-
372	Aircraft and parts	42.0	41.6	41.5	42.0	42.1	-	3.6	3.0	3.6	3.8
3721	Aircraft	-	41.8	41.6	42.1	42.3	-	-	-	-	-
3722	Aircraft engines and engine parts	-	40.9	40.5	41.3	41.1	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	41.9	42.4	42.7	42.7	-	-	-	-	-
373	Ship and boat building and repairing	41.0	40.9	41.5	39.8	40.0	-	3.5	4.1	3.2	3.1
3731	Ship building and repairing	-	41.0	41.6	40.0	40.1	-	-	-	-	-
3732	Boat building and repairing	-	40.8	41.1	39.1	40.0	-	-	-	-	-
374	Railroad equipment	-	41.1	40.7	39.2	39.5	-	3.8	3.8	2.0	1.7
375,9	Other transportation equipment	-	39.5	40.4	41.2	40.8	-	3.0	3.4	3.8	3.5
38	INSTRUMENTS AND RELATED PRODUCTS	40.6	40.4	41.0	40.4	40.2	-	2.5	3.1	2.6	2.3
381	Engineering & scientific instruments	-	41.1	42.1	40.8	41.1	-	3.3	3.8	2.7	2.6
382	Mechanical measuring & control devices	40.2	40.3	40.6	40.1	39.6	-	2.8	3.1	2.6	2.1
3821	Mechanical measuring devices	-	40.9	41.0	39.9	39.7	-	-	-	-	-
3822	Automatic temperature controls	-	39.5	40.1	40.3	39.4	-	-	-	-	-
383,5	Optical and ophthalmic goods	40.1	39.7	40.6	40.0	39.6	-	1.9	2.9	2.4	1.6
385	Ophthalmic goods	-	39.1	40.0	39.6	39.0	-	1.6	2.7	2.0	1.6
384	Medical instruments and supplies	39.8	39.7	40.5	39.6	39.5	-	2.0	2.7	2.4	1.9
386	Photographic equipment and supplies	42.6	42.1	42.4	42.6	42.5	-	2.8	3.5	3.5	3.5
387	Watches, clocks, and watch cases	-	38.2	39.1	38.0	37.1	-	1.7	2.1	1.5	1.2
39	MISC. MANUFACTURING INDUSTRIES	39.2	38.5	39.2	39.4	38.7	-	2.3	2.7	2.5	2.0
391	Jewelry, silverware, and plated ware	39.5	37.7	39.4	39.5	38.6	-	2.0	2.8	2.8	1.9
394	Toys and sporting goods	-	37.8	38.1	39.1	38.0	-	2.0	2.1	2.5	2.1
3941-3	Games, toys, dolls, & play vehicles	-	37.2	37.6	38.8	37.6	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	38.6	38.9	39.5	38.7	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.3	39.9	40.2	39.3	-	2.1	2.6	2.3	1.6
396	Costume jewelry and notions	-	38.3	39.0	38.7	38.4	-	2.2	2.8	2.5	1.6
393,8,9	Other manufacturing industries	39.8	39.2	39.8	39.8	39.3	-	2.6	3.0	2.6	2.2
393	Musical instruments and parts	-	38.4	39.8	39.6	39.2	-	1.2	2.6	1.9	1.4
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	41.1	41.2	40.9	41.5	41.4	-	4.6	4.3	4.5	4.5
201	Meat products	41.7	41.3	41.1	42.0	42.2	-	4.9	4.6	4.9	5.0
2011	Meat packing plants	-	42.7	41.9	43.1	43.0	-	-	-	-	-
2013	Sausages and other prepared meats	-	42.0	41.2	41.4	41.9	-	-	-	-	-
2015	Poultry dressing plants	-	38.9	39.8	40.6	40.9	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	\$127.14	\$129.68	\$128.35	\$120.84	\$121.84	\$3.02	\$3.03	\$3.02	\$2.85	\$2.84
2024	Ice cream and frozen desserts	-	122.64	123.48	120.12	120.98	-	2.92	2.94	2.86	2.86
2026	Fluid milk	-	138.13	135.68	127.41	128.60	-	3.19	3.17	2.97	2.97
203	Canned, cured, and frozen foods	-	98.67	96.77	96.46	92.04	-	2.53	2.52	2.37	2.36
2031,6	Canned, cured, and frozen sea foods	-	80.13	81.78	81.43	82.60	-	2.27	2.33	2.16	2.14
2032,3	Canned food, except sea foods	-	105.41	101.92	99.95	94.53	-	2.59	2.62	2.42	2.43
2037	Frozen fruits and vegetables	-	90.52	93.38	90.00	87.53	-	2.44	2.37	2.25	2.25
204	Grain mill products	139.08	137.11	135.45	132.41	130.87	3.05	3.02	2.99	2.91	2.87
2041	Flour and other grain mill products	-	137.41	137.56	141.60	137.59	-	3.04	3.03	3.00	2.94
2042	Prepared feeds for animals and fowls	-	124.87	122.23	118.53	119.92	-	2.64	2.64	2.56	2.53
205	Bakery products	121.40	122.81	120.80	112.12	114.21	3.02	3.01	2.99	2.81	2.82
2051	Bread, cake, and related products	-	124.75	122.41	115.02	115.59	-	3.05	3.03	2.84	2.84
2052	Cookies and crackers	-	115.83	115.26	102.87	108.26	-	2.86	2.86	2.70	2.72
206	Sugar	-	133.76	126.64	128.43	127.58	-	3.20	3.19	3.14	3.15
207	Confectionery and related products	100.88	100.88	102.44	99.79	96.72	2.60	2.60	2.60	2.47	2.48
2071	Confectionery products	-	96.38	97.64	95.84	93.27	-	2.51	2.51	2.39	2.41
208	Beverages	137.23	141.20	137.69	134.05	134.27	3.38	3.37	3.35	3.23	3.22
2082	Malt liquors	-	192.58	192.17	174.28	174.29	-	4.51	4.49	4.23	4.22
2086	Bottled and canned soft drinks	-	112.14	107.33	104.30	105.72	-	2.62	2.58	2.46	2.47
2089	Misc. foods and kindred products	(*)	122.77	121.22	115.51	115.64	(*)	2.93	2.90	2.77	2.76
21	TOBACCO MANUFACTURES	91.62	104.15	111.32	95.55	98.89	2.51	2.77	2.79	2.45	2.63
211	Cigarettes	-	124.36	134.88	120.87	117.50	-	3.23	3.25	3.06	3.06
212	Cigars	-	77.66	77.87	76.80	74.37	-	2.06	2.06	2.00	2.01
22	TEXTILE MILL PRODUCTS	97.58	95.88	95.63	92.51	88.97	2.38	2.35	2.31	2.24	2.17
221	Weaving mills, cotton	99.01	97.23	94.21	91.39	87.31	2.38	2.36	2.27	2.24	2.14
222	Weaving mills, synthetics	104.86	106.14	100.85	101.41	96.80	2.45	2.44	2.34	2.31	2.21
223	Weaving and finishing mills, wool	99.63	103.64	100.96	97.25	97.16	2.43	2.45	2.37	2.31	2.27
224	Narrow fabric mills	93.93	93.73	95.45	90.54	88.75	2.36	2.32	2.30	2.23	2.17
225	Knitting mills	88.76	85.79	87.75	85.75	82.71	2.27	2.24	2.25	2.16	2.11
2251	Women's hosiery, except socks	-	85.69	87.47	86.22	81.59	-	2.22	2.22	2.15	2.05
2252	Hosiery, n e c	-	76.91	76.91	73.30	72.15	-	2.04	2.04	1.96	1.95
2253	Knit outerwear mills	-	84.24	88.97	88.53	84.36	-	2.34	2.36	2.27	2.22
2254	Knit underwear mills	-	79.25	80.05	81.00	79.20	-	2.08	2.09	2.02	2.00
226	Textile finishing, except wool	105.50	105.08	105.11	98.59	95.40	2.53	2.52	2.45	2.37	2.31
227	Floor covering mills	-	100.74	102.58	101.43	95.85	-	2.41	2.38	2.30	2.25
228	Yarn and thread mills	90.54	88.32	87.76	87.78	84.66	2.23	2.17	2.13	2.11	2.04
229	Miscellaneous textile goods	109.20	109.56	111.63	103.81	99.12	2.60	2.59	2.59	2.46	2.40
23	APPAREL AND OTHER TEXTILE PRODUCTS	84.45	82.08	83.49	81.40	79.06	2.32	2.28	2.30	2.23	2.19
231	Men's and boys' suits and coats	105.56	102.10	106.97	100.93	94.86	2.80	2.73	2.83	2.67	2.55
232	Men's and boys' furnishings	74.40	72.86	72.89	71.80	70.48	2.00	1.98	1.97	1.93	1.91
2321	Men's and boys' shirts and nightwear	-	71.00	70.83	70.11	69.73	-	1.94	1.93	1.90	1.90
2327	Men's and boys' separate trousers	-	73.28	73.85	72.38	70.88	-	1.97	1.98	1.93	1.88
2328	Men's and boys' work clothing	-	71.20	72.56	69.55	68.61	-	1.94	1.94	1.89	1.89
233	Women's and misses' outerwear	85.75	84.38	84.87	83.84	81.98	2.50	2.46	2.46	2.43	2.39
2331	Women's and misses' blouses and waists	-	75.11	76.33	70.66	71.89	-	2.14	2.15	2.06	2.06
2335	Women's and misses' dresses	-	84.25	84.76	84.59	82.16	-	2.53	2.53	2.51	2.46
2337	Women's and misses' suits and coats	-	97.16	95.63	96.72	94.66	-	2.80	2.78	2.74	2.72
2339	Women's and misses' outerwear, n e c	-	75.12	77.47	73.49	72.57	-	2.11	2.14	2.07	2.05
234	Women's and children's undergarments	78.75	75.87	76.08	74.97	72.83	2.10	2.09	2.09	2.01	1.99
2341	Women's and children's underwear	-	75.11	74.13	73.88	72.15	-	2.03	2.02	1.97	1.95
2342	Corsets and allied garments	-	77.95	79.52	78.02	74.05	-	2.24	2.24	2.12	2.08
235	Hats, caps, and millinery	-	78.05	79.92	79.04	78.84	-	2.15	2.16	2.20	2.19
236	Children's outerwear	76.61	76.68	77.25	74.16	74.46	2.14	2.13	2.14	2.06	2.04
2361	Children's dresses and blouses	-	75.03	76.59	70.50	74.70	-	2.09	2.11	2.02	2.03
237,8	Fur goods and miscellaneous apparel	-	88.81	88.70	85.10	83.88	-	2.46	2.43	2.30	2.33
239	Misc. fabricated textile products	93.27	87.05	92.06	88.70	83.93	2.41	2.34	2.41	2.31	2.25
2391,2	Housefurnishings	-	78.00	77.52	76.82	74.48	-	2.08	2.04	1.98	1.96
26	PAPER AND ALLIED PRODUCTS	141.37	140.18	138.46	132.62	132.32	3.28	3.26	3.22	3.07	3.07
261,2,6	Paper and pulp mills	162.71	163.80	158.87	150.96	151.87	3.64	3.64	3.57	3.40	3.39
263	Paperboard mills	170.46	166.16	162.53	154.70	156.74	3.65	3.62	3.58	3.40	3.40
264	Misc. converted paper products	119.89	118.61	121.18	115.79	113.44	2.91	2.90	2.92	2.77	2.76
2643	Bags, except textile bags	-	113.40	114.39	110.62	109.15	-	2.80	2.79	2.64	2.63
265	Paperboard containers and boxes	126.96	125.52	124.74	121.55	119.14	3.03	3.01	2.97	2.86	2.83
2651,2	Folding and setup paperboard boxes	-	112.16	113.85	108.24	106.37	-	2.79	2.77	2.64	2.62
2653	Corrugated and solid fiber boxes	-	135.36	133.22	133.02	127.87	-	3.17	3.12	3.03	2.96
2654	Sanitary food containers	-	125.80	124.95	117.04	120.13	-	2.96	2.94	2.80	2.84

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products.....	42.1	42.8	42.5	42.4	42.9	-	4.7	4.5	4.3	4.5
2024	Ice cream and frozen desserts.....	-	42.0	42.0	42.0	42.3	-	-	-	-	-
2026	Fluid milk.....	-	43.3	42.8	42.9	43.3	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	39.0	38.4	40.7	39.0	-	3.7	3.2	4.1	3.7
2031,6	Canned, cured and frozen sea foods.....	-	35.3	35.1	37.7	38.6	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	40.7	38.9	41.3	38.9	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	37.1	39.4	39.4	38.9	-	-	-	-	-
204	Grain mill products.....	45.6	45.4	45.3	45.5	45.6	-	7.2	7.1	7.5	7.6
2041	Flour and other grain mill product.....	-	45.2	45.4	47.2	46.8	-	-	-	-	-
2042	Prepared feeds for animals and fowls.....	-	47.3	46.3	46.3	47.4	-	-	-	-	-
205	Bakery products.....	40.2	40.8	40.4	39.9	40.5	-	4.2	4.0	3.5	3.7
2051	Bread, cake, and related products.....	-	40.9	40.4	40.5	40.7	-	-	-	-	-
2052	Cookies and crackers.....	-	40.5	40.3	38.1	39.8	-	-	-	-	-
206	Sugar.....	-	41.8	39.7	40.9	40.5	-	4.0	2.9	3.9	3.9
207	Confectionery and related products.....	38.8	38.8	39.4	40.4	39.0	-	2.5	2.6	3.2	2.3
2071	Confectionery products.....	-	38.4	38.9	40.1	38.7	-	-	-	-	-
208	Beverages.....	40.6	41.9	41.1	41.5	41.7	-	4.8	4.4	4.2	4.3
2082	Malt liquors.....	-	42.7	42.8	41.2	41.3	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	42.8	41.6	42.4	42.8	-	-	-	-	-
209	Misc. foods and kindred products.....	(*)	41.9	41.8	41.7	41.9	-	4.9	4.6	4.6	4.6
21	TOBACCO MANUFACTURES.....	36.5	37.6	39.9	39.0	37.6	-	1.7	2.5	2.4	2.3
211	Cigarettes.....	-	38.5	41.5	39.5	38.4	-	2.2	3.4	2.7	3.2
212	Cigars.....	-	37.7	37.8	38.4	37.0	-	1.0	1.3	1.6	.9
22	TEXTILE MILL PRODUCTS.....	41.0	40.8	41.4	41.3	41.0	-	3.8	4.1	4.1	3.9
221	Weaving mills, cotton.....	41.6	41.2	41.5	40.8	40.8	-	4.0	4.2	3.7	3.7
222	Weaving mills, synthetics.....	42.8	43.5	43.1	43.9	43.8	-	5.0	5.1	5.8	5.5
223	Weaving and finishing mills, wool.....	41.0	42.3	42.6	42.1	42.8	-	4.7	4.8	4.2	4.9
224	Narrow fabric mills.....	39.8	40.4	41.5	40.6	40.9	-	3.0	3.6	3.7	3.4
225	Knitting mills.....	39.1	38.3	39.0	39.7	39.2	-	2.6	2.8	3.3	3.1
2251	Women's hosiery, except socks.....	-	38.6	39.4	40.1	39.8	-	-	-	-	-
2252	Hosiery, n e c.....	-	37.7	37.7	37.4	37.0	-	-	-	-	-
2253	Knit outerwear mills.....	-	36.0	37.7	39.0	38.0	-	-	-	-	-
2254	Knit underwear mills.....	-	38.1	38.3	40.1	39.6	-	-	-	-	-
226	Textile finishing, except wool.....	41.7	41.7	42.9	41.6	41.3	-	4.7	5.2	4.5	4.4
227	Floor covering mills.....	-	41.8	43.1	44.1	42.6	-	4.3	5.0	6.1	4.6
228	Yarn and thread mills.....	40.6	40.7	41.2	41.6	41.5	-	3.6	4.0	4.2	4.2
229	Miscellaneous textile goods.....	42.0	42.3	43.1	42.2	41.3	-	4.4	5.2	4.6	3.5
23	APPAREL AND OTHER TEXTILE PRODUCTS.....	36.4	36.0	36.3	36.5	36.1	-	1.1	1.4	1.5	1.3
231	Men's and boys' suits and coats.....	37.7	37.4	37.8	37.8	37.2	-	1.7	1.4	1.6	.8
232	Men's and boys' furnishings.....	37.2	36.8	37.0	37.2	36.9	-	1.0	1.2	1.3	1.2
2321	Men's and boys' shirts and nightwear.....	-	36.6	36.7	36.9	36.7	-	-	-	-	-
2327	Men's and boys' separate trousers.....	-	37.2	37.3	37.5	37.7	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	36.7	37.4	36.8	36.3	-	-	-	-	-
233	Women's and misses' outerwear.....	34.3	34.3	34.5	34.5	34.3	-	1.1	1.4	1.3	1.2
2331	Women's and misses' blouses and waists.....	-	35.1	35.5	34.3	34.9	-	-	-	-	-
2335	Women's and misses' dresses.....	-	33.3	33.5	33.7	33.4	-	-	-	-	-
2337	Women's and misses' suits and coats.....	-	34.7	34.4	35.3	34.8	-	-	-	-	-
2339	Women's and misses' outerwear, n e c.....	-	35.6	36.2	35.5	35.4	-	-	-	-	-
234	Women's and children's undergarments.....	37.5	36.3	36.4	37.3	36.6	-	1.4	1.3	1.7	1.4
2341	Women's and children's underwear.....	-	37.0	36.7	37.5	37.0	-	-	-	-	-
2342	Corsets and allied garments.....	-	34.8	35.5	36.8	35.6	-	-	-	-	-
235	Hats, caps, and millinery.....	-	36.3	37.0	36.2	36.0	-	1.1	1.6	1.3	1.3
236	Children's outerwear.....	35.8	36.0	36.1	36.0	36.5	-	1.3	1.3	1.6	1.6
2361	Children's dresses and blouses.....	-	35.9	36.3	34.9	36.8	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel.....	-	36.1	36.5	37.0	36.0	-	1.0	1.1	1.3	1.3
239	Misc. fabricated textile products.....	38.7	37.2	38.2	38.4	37.3	-	1.9	2.0	2.1	1.9
2391,2	Housefurnishings.....	-	37.5	38.0	38.8	38.0	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS.....	43.1	43.0	43.0	43.2	43.1	-	5.7	5.5	5.5	5.5
261,2,6	Paper and pulp mills.....	44.7	45.0	44.5	44.4	44.8	-	7.2	6.6	6.4	6.7
263	Paperboard mills.....	46.7	45.9	45.4	45.5	46.1	-	8.0	7.8	7.7	8.4
264	Misc. converted paper products.....	41.2	40.9	41.5	41.8	41.1	-	3.8	4.0	4.0	3.6
2643	Bags, except textile bags.....	-	40.5	41.0	41.9	41.5	-	-	-	-	-
265	Paperboard containers and boxes.....	41.9	41.7	42.0	42.5	42.1	-	4.7	4.8	5.1	4.8
2651,2	Folding and setup paperboard boxes.....	-	40.2	41.1	41.0	40.6	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	42.7	42.7	43.9	43.2	-	-	-	-	-
2654	Sanitary food containers.....	-	42.5	42.5	41.8	42.3	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
<i>Nondurable Goods--Continued</i>											
27	PRINTING AND PUBLISHING	\$143.21	\$141.70	\$141.31	\$135.45	\$132.94	\$3.71	\$3.69	\$3.68	\$3.50	\$3.48
271	Newspapers.....	148.15	145.08	146.29	136.82	134.98	4.07	4.03	4.03	3.79	3.76
272	Periodicals.....	-	161.95	158.32	157.08	151.33	-	3.95	3.89	3.74	3.70
273	Books.....	-	130.90	130.25	125.25	121.50	-	3.24	3.24	3.04	3.03
275	Commercial printing.....	146.61	145.45	143.91	139.44	136.50	2.74	3.72	3.69	3.53	3.50
2751	Commercial printing, ex. lithographic.....	-	140.43	140.07	136.37	133.86	-	3.61	3.61	3.47	3.45
2752	Commercial printing, lithographic.....	-	153.66	150.50	144.00	140.66	-	3.89	3.81	3.60	3.57
278	Blankbooks and bookbinding.....	107.82	108.20	108.67	104.49	102.26	2.83	2.84	2.83	2.70	2.67
274,6,7,9	Other publishing & printing ind.....	142.66	140.40	141.57	136.26	134.40	3.63	3.60	3.63	3.53	3.50
28	CHEMICALS AND ALLIED PRODUCTS ...	145.18	145.18	144.63	136.86	136.45	3.49	3.49	3.46	3.29	3.28
281	Industrial chemicals.....	162.09	163.63	162.73	152.82	152.46	3.85	3.85	3.82	3.63	3.63
2812	Alkalies and chlorine.....	-	170.52	169.17	152.35	154.66	-	3.92	3.88	3.68	3.70
2818	Industrial organic chemicals, n e c.....	-	175.80	172.51	162.01	161.70	-	4.06	4.04	3.83	3.85
2819	Industrial inorganic chemicals, n e c.....	-	153.55	153.04	145.60	145.46	-	3.70	3.67	3.50	3.48
282	Plastics materials and synthetics.....	146.89	146.20	145.78	137.90	138.78	3.44	3.44	3.43	3.26	3.25
2821	Plastics materials and resins.....	-	153.55	156.17	146.97	147.56	-	3.63	3.59	3.41	3.40
2823,4	Synthetic fibers.....	-	137.60	133.95	127.60	129.02	-	3.23	3.22	3.06	3.05
283	Drugs.....	131.20	131.53	133.33	123.00	122.70	3.28	3.28	3.26	3.00	3.00
2834	Pharmaceutical preparations.....	-	127.26	129.28	117.49	117.60	-	3.23	3.20	2.93	2.94
284	Soap, cleaners, and toilet goods.....	137.70	138.98	137.97	130.79	128.32	3.40	3.44	3.39	3.19	3.20
2841	Soap and other detergents.....	-	181.45	177.24	169.74	162.66	-	4.31	4.23	3.92	3.91
2844	Toilet preparations.....	-	109.73	111.22	102.96	100.73	-	2.85	2.83	2.64	2.63
285	Paints and allied products.....	134.31	135.05	135.05	129.58	128.34	3.30	3.27	3.27	3.13	3.10
287	Agricultural chemicals.....	121.72	122.89	120.69	112.61	111.79	2.94	2.94	2.86	2.74	2.72
2871,2	Fertilizers, complete & mixing only.....	-	116.90	113.01	106.37	105.93	-	2.81	2.71	2.62	2.59
286,9	Other chemical products.....	138.43	135.53	135.38	129.83	129.56	3.36	3.33	3.31	3.19	3.16
2892	Explosives.....	-	131.71	138.05	133.33	132.80	-	3.46	3.46	3.35	3.32
29	PETROLEUM AND COAL PRODUCTS	171.54	175.31	170.00	157.78	163.18	3.98	4.03	4.00	3.73	3.76
291	Petroleum refining.....	177.66	181.90	175.97	162.27	169.92	4.20	4.25	4.22	3.91	3.97
295,9	Other petroleum and coal products.....	151.72	152.30	149.40	142.83	140.14	3.32	3.34	3.32	3.16	3.08
30	RUBBER AND PLASTICS PRODUCTS, N E C	127.72	125.36	125.97	122.30	121.42	3.10	3.08	3.05	2.94	2.94
301	Tires and inner tubes.....	191.74	185.24	183.40	182.96	184.91	4.28	4.21	4.14	4.13	4.10
302,3,6	Other rubber products.....	122.51	120.30	120.29	116.57	113.36	3.01	3.00	2.97	2.85	2.82
302	Rubber footwear.....	-	106.52	105.99	99.46	103.97	-	2.69	2.69	2.57	2.58
307	Miscellaneous plastics products.....	106.67	105.47	108.00	103.98	102.72	2.66	2.65	2.66	2.53	2.53
31	LEATHER AND LEATHER PRODUCTS ...	87.05	87.75	88.83	85.41	85.31	2.34	2.34	2.35	2.23	2.21
311	Leather tanning and finishing.....	115.24	114.46	119.66	113.12	107.68	2.91	2.92	2.94	2.80	2.74
314	Footwear, except rubber.....	83.90	85.73	85.88	83.06	83.98	2.28	2.28	2.29	2.18	2.17
312,3,5-7,5	Other leather products.....	86.63	84.32	86.25	82.13	80.73	2.31	2.31	2.30	2.15	2.13
316	Luggage.....	-	84.25	87.52	83.64	81.16	-	2.36	2.34	2.15	2.17
317	Handbags and personal leather goods..	-	82.80	83.85	80.94	79.25	-	2.25	2.23	2.13	2.08
TRANSPORTATION AND PUBLIC UTILITIES:											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ²	-	(*)	(*)	152.51	154.66	-	(*)	(*)	3.49	3.46
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation....	-	136.63	133.46	126.35	126.65	-	3.23	3.17	2.98	2.98
413	Intercity highway transportation.....	-	167.14	166.57	159.22	154.93	-	3.97	3.91	3.72	3.68
42	TRUCKING AND WAREHOUSING	-	154.40	154.34	146.97	145.51	-	3.65	3.64	3.45	3.44
421,3	Trucking and trucking terminals.....	-	157.25	157.19	150.23	148.75	-	3.70	3.69	3.51	3.50
422	Public warehousing.....	-	114.62	112.32	106.53	107.73	-	2.88	2.88	2.67	2.70
46	PIPE LINE TRANSPORTATION	-	174.28	178.42	166.76	166.78	-	4.23	4.32	3.98	3.99
48	COMMUNICATION	-	133.50	131.86	125.29	124.00	-	3.28	3.28	3.14	3.10
481	Telephone communication.....	-	132.02	130.09	122.09	122.21	-	3.22	3.22	3.06	3.04
4817	Switchboard operating employees ³ ..	-	96.78	95.57	90.75	91.25	-	2.63	2.64	2.50	2.50
4818	Line construction employees ⁴	-	187.13	181.43	174.50	173.81	-	3.99	3.97	3.81	3.82
482	Telegraph communication ⁵	-	149.72	151.12	140.81	143.86	-	3.49	3.49	3.29	3.33
483	Radio and television broadcasting....	-	142.09	140.61	143.17	133.06	-	3.71	3.71	3.69	3.52

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
<i>Nondurable Goods--Continued</i>											
27	PRINTING AND PUBLISHING	38.6	38.4	38.4	38.7	38.2	-	3.2	3.2	3.4	3.0
271	Newspapers.....	36.4	36.0	36.3	36.1	35.9	-	2.8	2.9	2.5	2.4
272	Periodicals.....	-	41.0	40.7	42.0	40.9	-	3.8	4.5	5.1	3.9
273	Books	-	40.4	40.2	41.2	40.1	-	3.7	3.7	4.0	3.4
275	Commercial printing	39.2	39.1	39.0	39.5	39.0	-	3.5	3.3	3.9	3.4
2751	Commercial printing, ex. lithographic	-	38.9	38.8	39.3	38.8	-	-	-	-	-
2752	Commercial printing, lithographic	-	39.5	39.5	40.0	39.4	-	-	-	-	-
278	Blankbooks and bookbinding	38.1	38.1	38.4	38.7	38.3	-	2.2	2.7	2.7	2.2
274, 6, 7, 9	Other publishing & printing ind.....	39.3	39.0	39.0	38.6	38.4	-	3.3	3.2	3.3	3.0
28	CHEMICALS AND ALLIED PRODUCTS ..	41.6	41.6	41.8	41.6	41.6	-	3.3	3.4	3.4	3.3
281	Industrial chemicals	42.1	42.5	42.6	42.1	42.0	-	4.0	3.9	3.6	3.5
2812	Alkalies and chlorine	-	43.5	43.6	41.4	41.8	-	-	-	-	-
2818	Industrial organic chemicals, n.e.c....	-	43.3	42.7	42.3	42.0	-	-	-	-	-
2819	Industrial inorganic chemicals, n.e.c. .	-	41.5	41.7	41.6	41.8	-	-	-	-	-
282	Plastics materials and synthetics	42.7	42.5	42.5	42.3	42.7	-	3.4	3.5	3.7	3.9
2821	Plastics materials and resins	-	42.3	43.5	43.1	43.4	-	-	-	-	-
2823, 4	Synthetic fibers	-	42.6	41.6	41.7	42.3	-	-	-	-	-
283	Drugs	40.0	40.1	40.9	41.0	40.9	-	2.2	2.8	2.6	2.7
2834	Pharmaceutical preparations.....	-	39.4	40.4	40.1	40.0	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	40.5	40.4	40.7	41.0	40.1	-	2.6	2.6	3.5	2.7
2841	Soap and other detergents	-	42.1	41.9	43.3	41.6	-	-	-	-	-
2844	Toilet preparations	-	38.5	39.3	39.0	38.3	-	-	-	-	-
285	Paints and allied products	40.7	41.3	41.3	41.4	41.4	-	3.4	3.1	3.4	3.4
287	Agricultural chemicals	41.4	41.8	42.2	41.1	41.1	-	4.0	4.5	3.0	3.0
2871, 2	Fertilizers, complete & mixing only..	-	41.6	41.7	40.6	40.9	-	-	-	-	-
286, 9	Other chemical products	41.2	40.7	40.9	40.7	41.0	-	2.9	3.0	3.2	3.0
2892	Explosives	-	39.8	39.9	39.8	40.0	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS	43.1	43.5	42.5	42.3	43.4	-	4.3	3.8	3.5	4.2
291	Petroleum refining.....	42.3	42.8	41.7	41.5	42.8	-	3.4	2.8	2.5	3.4
295, 9	Other petroleum and coal products	45.7	45.6	45.0	45.2	45.5	-	7.1	7.1	7.0	7.0
30	RUBBER AND PLASTICS PRODUCTS, NEC. ..	41.2	40.7	41.3	41.6	41.3	-	4.0	4.2	4.3	4.3
301	Tires and inner tubes	44.8	44.0	44.3	44.3	45.1	-	6.6	6.3	6.7	7.5
302, 3, 6	Other rubber products	40.7	40.1	40.5	40.9	40.2	-	3.1	3.4	3.6	3.1
302	Rubber footwear	-	39.6	39.4	38.7	40.3	-	2.2	2.5	1.6	2.5
307	Miscellaneous plastics products	40.1	39.8	40.6	41.1	40.6	-	3.6	4.0	3.9	3.9
31	LEATHER AND LEATHER PRODUCTS	37.2	37.5	37.8	38.3	38.6	-	1.8	1.9	2.0	2.1
311	Leather tanning and finishing	39.6	39.2	40.7	40.4	39.3	-	3.2	4.1	3.6	3.2
314	Footwear, except rubber	36.8	37.6	37.5	38.1	38.7	-	1.7	1.7	1.8	2.0
312, 3, 5-7, 9	Other leather products	37.5	36.5	37.5	38.2	37.9	-	1.6	1.7	2.0	1.9
316	Luggage	-	35.7	37.4	38.9	37.4	-	1.7	1.8	2.3	1.8
317	Handbags and personal leather goods..	-	36.8	37.6	38.0	38.1	-	1.5	1.6	2.1	2.0
TRANSPORTATION AND PUBLIC UTILITIES:											
RAILROAD TRANSPORTATION:											
411	Class I railroads ²	-	(*)	(*)	43.7	44.7	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	-	42.3	42.1	42.4	42.5	-	-	-	-	-
413	Intercity highway transportation	-	42.1	42.6	42.8	42.1	-	-	-	-	-
TRUCKING AND WAREHOUSING											
42	Trucking and trucking terminals	-	42.3	42.4	42.6	42.3	-	-	-	-	-
421, 3	Trucking and trucking terminals	-	42.5	42.6	42.8	42.5	-	-	-	-	-
422	Public warehousing	-	39.8	39.0	39.9	39.9	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	41.2	41.3	41.9	41.8	-	-	-	-	-
COMMUNICATION											
48	Telephone communication	-	40.7	40.2	39.9	40.0	-	-	-	-	-
481	Telephone communication	-	41.0	40.4	39.9	40.2	-	-	-	-	-
4817	Switchboard operating employees ³	-	36.8	36.2	36.3	36.5	-	-	-	-	-
4818	Line construction employees ⁴	-	46.9	45.7	45.8	45.5	-	-	-	-	-
482	Telegraph communication ⁵	-	42.9	43.3	42.8	43.2	-	-	-	-	-
483	Radio and television broadcasting.....	-	38.3	37.9	38.8	37.8	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES		\$161.35	\$158.59	\$151.42	\$150.59	-	\$3.86	\$3.84	\$3.64	\$3.62
491	Electric companies and systems		167.06	162.66	156.61	155.45	-	3.94	3.91	3.72	3.71
492	Gas companies and systems		143.67	143.82	135.60	135.79	-	3.53	3.56	3.34	3.32
493	Combination companies and systems...		175.14	172.64	163.88	162.63	-	4.16	4.15	3.93	3.90
494-7	Water, steam, & sanitary systems		133.08	131.52	123.41	125.44	-	3.23	3.20	3.01	3.03
-	WHOLESALE AND RETAIL TRADE.....	\$93.70	93.08	91.55	88.80	88.56	\$2.56	2.55	2.55	2.40	2.40
50	WHOLESALE TRADE.....	130.17	130.17	129.92	122.82	123.12	3.23	3.23	3.24	3.04	3.04
501	Motor vehicles & automotive equipment	-	121.13	121.25	114.54	113.58	-	2.94	2.95	2.76	2.75
502	Drugs, chemicals, and allied products	-	131.38	130.37	124.34	123.16	-	3.36	3.36	3.14	3.11
503	Dry goods and apparel.....	-	122.11	120.46	117.27	117.04	-	3.18	3.17	3.07	3.08
504	Groceries and related products	-	122.25	118.40	118.14	118.30	-	2.96	2.96	2.84	2.81
506	Electrical goods.....	-	128.54	130.52	126.48	126.07	-	3.12	3.13	3.07	3.06
507	Hardware, plumbing & heating equipment	-	122.76	123.29	121.18	119.58	-	3.10	3.09	2.97	2.96
508	Machinery, equipment, and supplies.....	-	146.37	145.55	137.90	138.72	-	3.57	3.55	3.38	3.40
509	Miscellaneous wholesalers.....	-	131.14	131.20	120.99	119.99	-	3.32	3.33	3.04	3.03
52-59	RETAIL TRADE.....	81.19	80.96	79.35	77.33	77.33	2.30	2.30	2.30	2.16	2.16
53	Retail general merchandise	-	74.48	72.80	71.23	71.36	-	2.25	2.24	2.12	2.13
531	Department stores	-	78.87	76.31	74.70	74.81	-	2.39	2.37	2.25	2.26
532	Mail order houses	-	87.35	86.87	83.95	83.13	-	2.38	2.38	2.30	2.29
533	Variety stores	-	56.30	55.87	54.95	54.43	-	1.84	1.85	1.75	1.75
54	Food stores.....	-	86.96	84.07	81.87	81.74	-	2.55	2.54	2.38	2.39
541-3	Grocery, meat, and vegetable stores	-	88.58	85.32	83.15	82.90	-	2.59	2.57	2.41	2.41
56	Apparel and accessory stores	-	71.17	69.02	67.80	68.34	-	2.15	2.15	2.03	2.04
561	Men's & boys' clothing & furnishings	-	87.05	84.62	83.16	84.13	-	2.48	2.46	2.31	2.35
562	Women's ready-to-wear stores	-	64.00	62.29	60.72	61.37	-	2.00	1.99	1.88	1.90
565	Family clothing stores	-	67.80	66.18	63.74	63.55	-	2.03	2.03	1.92	1.92
566	Shoe stores.....	-	71.50	68.02	71.02	71.32	-	2.18	2.23	2.12	2.11
57	Furniture and home furnishings stores	-	104.33	103.50	100.49	99.20	-	2.76	2.76	2.61	2.59
571	Furniture and home furnishings	-	104.15	104.25	100.73	98.56	-	2.77	2.78	2.63	2.58
58	Eating and drinking places ⁶	-	57.44	56.05	55.24	55.08	-	1.73	1.73	1.62	1.62
52,55,59	Other retail trade.....	-	99.84	98.82	95.04	95.04	-	2.56	2.56	2.40	2.40
52	Building materials and farm equipment	-	107.27	105.82	102.83	101.92	-	2.61	2.60	2.46	2.45
551,2	Motor vehicle dealers.....	-	129.24	131.33	122.47	122.30	-	3.16	3.18	2.93	2.94
553,9	Other automotive & accessory dealers	-	109.20	106.75	104.00	103.87	-	2.60	2.56	2.43	2.41
591	Drug stores and proprietary stores	-	74.26	71.07	71.62	71.69	-	2.21	2.18	2.07	2.06
594	Book and stationery stores	-	87.19	84.28	83.78	84.37	-	2.47	2.45	2.36	2.35
598	Fuel and ice dealers.....	-	115.30	115.30	109.30	108.77	-	2.84	2.84	2.64	2.64
-	FINANCE, INSURANCE, AND REAL ESTATE⁷.....	107.67	107.30	108.70	102.40	102.40	2.91	2.90	2.93	2.76	2.76
60	Banking	-	97.46	96.72	92.63	92.01	-	2.62	2.60	2.49	2.48
61	Credit agencies other than banks	-	99.64	99.15	93.62	94.00	-	2.65	2.63	2.49	2.50
612	Savings and loan associations	-	97.99	96.20	91.27	93.00	-	2.62	2.60	2.46	2.48
62	Security, commodity brokers & services	-	172.24	185.55	170.82	175.10	-	4.63	4.87	4.46	4.56
63	Insurance carriers	-	113.71	114.08	106.80	106.87	-	3.09	3.10	2.91	2.92
631	Life insurance.....	-	117.69	116.32	106.74	108.06	-	3.26	3.24	2.99	3.01
632	Accident and health insurance	-	99.60	100.27	94.79	94.84	-	2.79	2.77	2.59	2.62
633	Fire, marine, and casualty insurance	-	113.48	115.22	109.71	109.13	-	3.01	3.04	2.91	2.91
-	SERVICES:										
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶		66.07	64.26	59.98	59.78		1.81	1.80	1.63	1.62
721	Personal Services: Laundries and dry cleaning plants		74.54	73.77	69.56	69.56		2.02	2.01	1.88	1.87
722	Photographic studios		82.35	82.49	80.94	82.25		2.38	2.35	2.28	2.33
781	Motion pictures: Motion picture filming & distributing		187.32	179.01	162.41	157.20		4.58	4.42	4.02	3.93

NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	--	41.8	41.3	41.6	41.6	--	--	--	--	--
491	Electric companies and systems	--	42.4	41.6	42.1	41.9	--	--	--	--	--
492	Gas companies and systems.....	--	40.7	40.4	40.6	40.9	--	--	--	--	--
493	Combination companies and systems ..	--	42.1	41.6	41.7	41.7	--	--	--	--	--
494-7	Water, steam & sanitary systems.....	--	41.2	41.1	41.0	41.4	--	--	--	--	--
	WHOLESALE AND RETAIL TRADE.....	36.6	36.5	35.9	37.0	36.9	--	--	--	--	--
50	WHOLESALE TRADE.....	40.3	40.3	40.1	40.4	40.5	--	--	--	--	--
501	Motor vehicles & automotive equipment ..	--	41.2	41.1	41.5	41.3	--	--	--	--	--
502	Drugs, chemicals, and allied products...	--	39.1	38.8	39.6	39.6	--	--	--	--	--
503	Dry goods and apparel.....	--	38.4	38.0	38.2	38.0	--	--	--	--	--
504	Groceries and related products	--	41.3	40.0	41.6	42.1	--	--	--	--	--
506	Electrical goods.....	--	41.2	41.7	41.2	41.2	--	--	--	--	--
507	Hardware, plumbing & heating equipment ..	--	39.6	39.9	40.8	40.4	--	--	--	--	--
508	Machinery, equipment, and supplies....	--	41.0	41.0	40.8	40.8	--	--	--	--	--
509	Miscellaneous wholesalers.....	--	39.5	39.4	39.8	39.6	--	--	--	--	--
52-59	RETAIL TRADE.....	35.3	35.2	34.5	35.8	35.8	--	--	--	--	--
53	Retail general merchandise	--	33.1	32.5	33.6	33.5	--	--	--	--	--
531	Department stores	--	33.0	32.2	33.2	33.1	--	--	--	--	--
532	Mail order houses	--	36.7	36.5	36.5	36.3	--	--	--	--	--
533	Variety stores	--	30.6	30.2	31.4	31.1	--	--	--	--	--
54	Food stores.....	--	34.1	33.1	34.4	34.2	--	--	--	--	--
541-3	Grocery, meat, and vegetable stores ...	--	34.2	33.2	34.5	34.4	--	--	--	--	--
56	Apparel and accessory stores	--	33.1	32.1	33.4	33.5	--	--	--	--	--
561	Men's & boys' clothing & furnishings ..	--	35.1	34.4	36.0	35.8	--	--	--	--	--
562	Women's ready-to-wear stores	--	32.0	31.3	32.3	32.3	--	--	--	--	--
565	Family clothing stores	--	33.4	32.6	33.2	33.1	--	--	--	--	--
566	Shoe stores.....	--	32.8	30.5	33.5	33.8	--	--	--	--	--
57	Furniture and home furnishings stores...	--	37.8	37.5	38.5	38.3	--	--	--	--	--
571	Furniture and home furnishings.....	--	37.6	37.5	38.3	38.2	--	--	--	--	--
58	Eating and drinking places ⁶	--	33.2	32.4	34.1	34.0	--	--	--	--	--
52,55,59	Other retail trade	--	39.0	38.6	39.6	39.6	--	--	--	--	--
52	Building materials and farm equipment ..	--	41.1	40.7	41.8	41.6	--	--	--	--	--
551,2	Motor vehicle dealers	--	40.9	41.3	41.8	41.6	--	--	--	--	--
553,9	Other automotive & accessory dealers.....	--	42.0	41.7	42.8	43.1	--	--	--	--	--
591	Drug stores and proprietary stores ...	--	33.6	32.6	34.6	34.8	--	--	--	--	--
594	Book and stationery stores	--	35.3	34.4	35.5	35.9	--	--	--	--	--
598	Fuel and ice dealers.....	--	40.6	40.6	41.4	41.2	--	--	--	--	--
	FINANCE, INSURANCE, AND REAL ESTATE⁷.....	37.0	37.0	37.1	37.1	37.1	--	--	--	--	--
60	Banking.....	--	37.2	37.2	37.2	37.1	--	--	--	--	--
61	Credit agencies other than banks	--	37.6	37.7	37.6	37.6	--	--	--	--	--
612	Savings and loan associations	--	37.4	37.0	37.1	37.5	--	--	--	--	--
62	Security, commodity brokers & services.....	--	37.2	38.1	38.3	38.4	--	--	--	--	--
63	Insurance carriers	--	36.8	36.8	36.7	36.6	--	--	--	--	--
631	Life insurance.....	--	36.1	35.9	35.7	35.9	--	--	--	--	--
632	Accident and health insurance.....	--	35.7	36.2	36.6	36.2	--	--	--	--	--
633	Fire, marine, and casualty insurance...	--	37.7	37.9	37.7	37.5	--	--	--	--	--
	SERVICES:										
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶ ...	--	36.5	35.7	36.8	36.9	--	--	--	--	--
	Personal Services:										
721	Laundries & dry cleaning plants.....	--	36.9	36.7	37.0	37.2	--	--	--	--	--
722	Photographic studios	--	34.6	35.1	35.5	35.3	--	--	--	--	--
	Motion pictures:										
781	Motion picture filming & distributing ..	--	40.9	40.5	40.4	40.0	--	--	--	--	--

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

² Beginning January 1965, data relate to railroads with operating revenues of \$5,000,000 or more. January 1969: \$160.03, \$3.58, and 44.7 - February 1969: \$164.89, \$3.64, and 45.3.

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1966, such employees made up 33 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁴ Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1966, such employees made up 33 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

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

*Not available.

NOTE: Data for the 2 most recent months are 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	1969						1968						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
EXECUTIVE BRANCH													
Total employment	2,795.9	2,704.5	2,712.0	2,701.9	2,704.2	2,699.3	2,734.3	2,667.6	2,658.9	2,670.2	2,759.9	2,807.9	2,780.6
Average weekly hours	39.4	39.4	39.5	39.5	39.9	39.5	39.8	39.5	39.3	39.1	39.2	39.6	39.2
Average overtime hours	1.0	1.0	1.0	1.1	1.0	1.0	1.8	1.0	1.1	1.0	.9	.9	1.0
Indexes (1965=100):													
Average weekly earnings	117.8	118.9	117.5	117.5	118.7	117.5	119.0	117.2	115.8	114.3	112.1	108.4	108.7
Average hourly earnings	121.1	122.2	120.5	120.5	120.5	120.5	121.1	120.2	119.3	118.4	115.8	110.8	112.3
DEPARTMENT OF DEFENSE													
Total employment	1,162.4	1,125.2	1,128.2	1,129.0	1,130.4	1,131.3	1,090.6	1,093.1	1,094.1	1,097.0	1,136.5	1,159.9	1,146.5
Average weekly hours	40.2	39.9	39.8	40.2	40.7	40.2	39.5	40.0	40.1	39.8	40.0	40.5	40.3
Average overtime hours	1.2	1.0	.8	1.2	1.2	1.3	1.2	1.1	1.4	1.0	1.1	1.1	1.2
Indexes (1965=100):													
Average weekly earnings	118.2	119.9	116.5	117.4	118.8	117.7	115.6	115.7	114.8	113.4	111.1	107.9	109.4
Average hourly earnings	120.0	122.6	119.4	119.1	119.1	119.4	119.4	118.0	116.8	116.2	113.3	108.7	110.7
POST OFFICE DEPARTMENT													
Total employment	736.6	723.1	720.9	718.5	718.4	718.5	795.4	721.8	711.5	712.8	731.5	734.1	728.7
Average weekly hours	38.4	38.5	38.8	38.7	39.4	38.6	41.4	39.3	38.6	38.2	38.1	38.6	38.1
Average overtime hours . . . . .	.9	1.1	1.3	1.2	1.0	1.1	4.0	1.2	1.2	.9	.6	.7	.8
Indexes (1965=100):													
Average weekly earnings	111.1	112.0	113.2	112.6	114.3	112.3	123.7	114.0	112.0	109.6	108.4	104.6	103.8
Average hourly earnings	119.5	120.1	120.5	120.1	119.8	120.1	123.4	119.8	119.8	118.5	117.5	111.9	112.5
OTHER AGENCIES													
Total employment	896.9	856.2	862.9	854.4	855.4	849.5	848.3	852.7	853.3	860.4	891.9	913.9	905.4
Average weekly hours	39.2	39.6	39.8	39.3	39.4	39.2	38.9	39.1	38.8	38.9	39.2	39.1	38.6
Average overtime hours . . . . .	.9	.9	.9	.8	.8	.7	.7	.8	.7	.8	.7	.7	.8
Indexes (1965=100):													
Average weekly earnings	122.9	124.2	122.9	121.9	122.4	121.8	121.4	122.1	120.1	119.0	116.5	111.9	112.3
Average hourly earnings	123.8	123.8	122.0	122.5	122.8	122.8	123.3	123.3	122.2	120.9	117.3	113.0	114.9

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

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
MANUFACTURING	\$3.05	\$3.06	\$3.03	\$2.86	\$2.88
DURABLE GOODS	3.22	3.23	3.21	3.03	3.04
Ordnance and accessories	-	3.35	3.34	3.10	3.10
Lumber and wood products	-	2.62	2.58	2.48	2.46
Furniture and fixtures	-	2.53	2.51	2.37	2.37
Stone, clay, and glass products	-	3.01	3.00	2.85	2.85
Primary metal industries	-	3.61	3.59	3.41	3.38
Fabricated metal products	-	3.17	3.16	3.00	3.01
Machinery, except electrical	-	3.39	3.38	3.21	3.21
Electrical equipment and supplies	-	2.99	2.97	2.83	2.83
Transportation equipment	-	3.71	3.69	3.47	3.46
Instruments and related products	-	3.04	3.03	2.90	2.88
Miscellaneous manufacturing industries	-	2.56	2.56	2.41	2.42
NONDURABLE GOODS	2.79	2.80	2.77	2.64	2.63
Food and kindred products	-	2.80	2.80	2.63	2.65
Tobacco manufactures	-	2.71	2.71	2.38	2.56
Textile mill products	-	2.25	2.20	2.14	2.07
Apparel and other textile products	-	2.25	2.26	2.19	2.16
Paper and allied products	-	3.06	3.03	2.89	2.88
Printing and publishing	-	(2)	(2)	(2)	(2)
Chemicals and allied products	-	3.36	3.33	3.16	3.15
Petroleum and coal products	-	3.84	3.82	3.58	3.58
Rubber and plastics products, n e c	-	2.93	2.90	2.80	2.80
Leather and leather products	-	2.29	2.29	2.17	2.16

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

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

NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

**C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, in current and 1957-59 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
	July 1969	June 1969	July 1968	Worker with no dependents			Worker with three dependents		
				July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
TOTAL PRIVATE:									
Current dollars	\$115.82	\$115.14	\$108.87	\$91.85	\$91.35	\$87.18	\$100.92	\$100.40	\$96.07
1957-59 dollars	90.34	90.24	89.60	71.65	71.59	71.75	78.72	78.68	79.07
MINING:									
Current dollars	155.37	150.88	145.62	120.72	117.34	114.17	131.55	127.91	124.42
1957-59 dollars	121.19	118.24	119.85	94.17	91.96	93.97	102.61	100.24	102.40
CONTRACT CONSTRUCTION:									
Current dollars	183.44	181.34	168.30	141.84	140.26	131.05	154.34	152.64	142.64
1957-59 dollars	143.09	142.12	138.52	110.64	109.92	107.86	120.39	119.62	117.40
MANUFACTURING:									
Current dollars	129.20	129.65	122.10	101.67	102.00	96.94	111.20	111.54	106.23
1957-59 dollars	100.78	101.61	100.49	79.31	79.94	79.79	86.74	87.41	87.43
WHOLESALE AND RETAIL TRADE:									
Current dollars	93.08	91.55	88.56	74.99	73.83	71.90	83.50	82.27	80.23
1957-59 dollars	72.61	71.75	72.89	58.49	57.86	59.18	65.13	64.47	66.03
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	107.30	108.70	102.40	85.59	86.62	82.40	94.44	95.50	91.12
1957-59 dollars	83.70	85.19	84.28	66.76	67.88	67.82	73.67	74.84	75.00

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

NOTE: Beginning April 1968, data reflect the income tax surcharge imposed by the Revenue and Expenditure Control Act of 1968. Data for the current month are preliminary.

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

Industry	1957-59=100				
	Aug. 1969	July 1969	June 1969	Aug. 1968	July 1968
	Man-hours				
TOTAL	121.6	119.2	121.2	118.4	117.0
MINING	84.0	84.8	82.3	83.5	84.0
CONTRACT CONSTRUCTION	133.2	131.3	128.4	128.3	125.4
MANUFACTURING	121.4	118.7	121.8	118.4	117.2
DURABLE GOODS	126.0	124.5	128.8	120.7	122.4
Ordnance and accessories	209.0	207.9	215.0	227.7	223.3
Lumber and wood products	97.3	95.6	98.8	99.0	97.1
Furniture and fixtures	133.2	127.4	135.1	131.9	124.8
Stone, clay, and glass products	117.9	115.9	118.1	116.2	114.5
Primary metal industries	115.5	115.7	117.5	105.7	113.3
Fabricated metal products	132.0	128.7	134.9	126.3	123.8
Machinery, except electrical	135.4	135.3	139.7	129.4	130.1
Electrical equipment and supplies	149.3	145.0	150.4	143.2	139.0
Transportation equipment	115.1	117.5	121.4	106.2	120.4
Instruments and related products	129.5	127.1	131.5	126.2	121.7
Miscellaneous manufacturing industries	114.7	106.9	112.2	114.3	105.8
NONDURABLE GOODS	115.3	111.3	112.7	115.3	110.4
Food and kindred products	108.5	100.9	96.4	108.2	99.8
Tobacco manufactures	86.6	68.0	72.6	96.3	72.1
Textile mill products	105.9	104.2	108.0	108.6	105.7
Apparel and other textile products	120.2	113.5	120.5	120.3	113.5
Paper and allied products	124.3	122.3	123.8	120.8	118.7
Printing and publishing	119.5	118.4	119.0	118.5	116.6
Chemicals and allied products	125.0	124.8	126.2	123.6	122.2
Petroleum and coal products	86.7	88.2	85.0	85.5	87.8
Rubber and plastics products, nec.	163.6	159.8	165.4	160.1	154.0
Leather and leather products	92.8	91.2	93.0	97.9	93.9
	Payrolls				
MINING	120.4	121.6	117.2	111.8	112.5
CONTRACT CONSTRUCTION	225.5	220.8	214.5	199.8	193.8
MANUFACTURING	182.6	179.0	182.8	167.5	166.3

¹For mining and manufacturing, data refer to production and related workers; for contract-construction, data relate to construction workers.
NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS**

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

Industry	Aug. 1969	July 1969	June 1969	May 1969	Apr. 1969	Mar. 1969	Feb. 1969	Jan. 1969	Dec. 1968	Nov. 1968	Oct. 1968	Sept. 1968	Aug. 1968
TOTAL PRIVATE	37.9	37.8	37.8	37.8	37.8	37.8	37.5	37.8	37.6	37.6	37.8	37.9	37.9
MINING	42.5	42.9	42.0	43.4	43.8	42.8	43.3	43.3	43.3	43.2	41.2	42.9	42.8
CONTRACT CONSTRUCTION	37.9	37.4	37.6	38.1	38.0	37.9	38.0	38.2	37.6	36.2	37.5	37.5	37.5
MANUFACTURING	40.6	40.7	40.7	40.7	40.8	40.9	40.1	40.6	40.8	40.8	40.9	41.0	40.7
<i>Overtime hours</i>	3.6	3.6	3.6	3.6	3.7	3.7	3.5	3.8	3.7	3.8	3.7	3.7	3.6
DURABLE GOODS	41.3	41.2	41.3	41.4	41.4	41.5	40.9	41.3	41.3	41.6	41.6	41.6	41.3
<i>Overtime hours</i>	3.7	3.8	3.9	3.8	3.8	3.9	3.8	3.8	3.9	4.0	3.9	3.9	3.6
Ordnance and accessories	40.5	40.3	40.9	40.6	40.9	40.8	40.3	40.0	41.3	41.4	42.0	41.7	41.7
Lumber and wood products	39.8	39.8	40.2	40.3	40.2	40.9	40.8	40.0	41.1	40.6	40.7	41.0	40.8
Furniture and fixtures	40.2	40.1	40.7	40.9	40.9	40.7	40.1	40.6	40.5	40.5	40.8	40.8	40.7
Stone, clay, and glass products	41.8	41.8	41.9	42.1	42.0	42.3	42.2	41.8	42.0	41.8	42.1	42.1	41.9
Primary metal industries	41.7	41.5	41.7	41.7	41.8	41.9	41.6	41.7	41.6	41.4	41.4	41.4	40.3
Fabricated metal products	41.4	41.5	41.8	41.6	41.8	41.9	41.2	41.8	41.7	42.1	42.1	41.9	41.7
Machinery, except electrical	42.4	42.2	42.5	42.6	42.6	42.7	42.3	42.5	42.2	42.3	42.3	42.3	42.0
Electrical equipment and supplies	40.3	40.3	40.6	40.6	40.9	40.7	39.7	40.4	40.2	40.3	40.4	40.7	40.5
Transportation equipment	42.2	42.4	41.6	41.1	41.5	41.6	41.6	41.4	41.8	42.3	42.5	42.3	42.2
Instruments and related products	40.8	40.8	40.9	40.8	40.8	40.7	39.7	40.7	40.5	40.7	40.6	40.6	40.6
Miscellaneous manufacturing industries	39.1	39.2	39.2	39.1	39.5	39.0	37.6	39.2	39.0	39.2	39.4	39.6	39.3
NONDURABLE GOODS	39.6	39.7	39.8	39.8	39.8	39.9	39.1	39.8	39.9	39.7	39.9	40.0	39.9
<i>Overtime hours</i>	3.3	3.4	3.4	3.4	3.4	3.4	3.2	3.6	3.4	3.4	3.3	3.4	3.4
Food and kindred products	40.7	40.6	40.7	40.8	40.9	40.9	40.7	40.6	40.9	40.6	40.8	40.8	41.0
Tobacco manufactures	36.2	38.1	39.5	38.1	36.4	36.5	36.6	37.2	37.1	37.5	37.7	38.2	38.7
Textile mill products	40.9	41.3	41.2	41.0	41.1	40.9	39.9	40.6	41.2	41.1	41.2	41.4	41.2
Apparel and other textile products	36.0	36.1	36.2	36.1	36.0	36.0	35.2	36.2	36.1	36.0	36.3	36.4	36.1
Paper and allied products	42.9	43.0	42.9	43.0	43.4	43.2	42.5	43.5	43.2	43.0	43.1	43.2	43.0
Printing and publishing	38.4	38.5	38.4	38.4	38.3	38.3	37.9	38.4	38.5	38.4	38.6	38.5	38.5
Chemicals and allied products	41.8	41.8	41.8	41.8	41.6	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.8
Petroleum and coal products	43.0	42.8	42.2	43.0	42.9	43.2	42.6	41.8	42.7	42.6	42.6	42.5	42.2
Rubber and plastics products, nec	41.1	41.1	41.3	41.4	41.4	41.4	40.7	41.5	41.5	41.4	41.6	41.6	41.5
Leather and leather products	36.9	37.1	37.4	37.6	37.7	37.6	35.3	37.6	37.8	37.9	38.6	38.1	38.0
WHOLESALE AND RETAIL TRADE	35.8	35.7	35.7	35.7	35.6	35.7	35.7	35.8	35.7	35.8	35.9	36.1	36.2
WHOLESALE TRADE	40.1	40.0	40.0	40.1	40.2	40.1	40.1	40.1	40.0	40.0	40.1	40.2	40.2
RETAIL TRADE	34.2	34.2	34.2	34.3	34.1	34.3	34.2	34.4	34.3	34.5	34.5	34.7	34.8
FINANCE, INSURANCE, AND REAL ESTATE	37.0	36.9	37.2	37.0	37.1	37.1	37.1	37.2	37.0	36.9	37.1	37.1	37.1

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

NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED

C-8: Indexes of aggregate weekly man-hours in industrial and construction activities¹
seasonally adjusted

1957-59=100

Industry	Aug. 1969	July 1969	June 1969	May 1969	Apr. 1969	Mar. 1969	Feb. 1969	Jan. 1969	Dec. 1968	Nov. 1968	Oct. 1968	Sept. 1968	Aug. 1968
TOTAL	118.7	118.1	118.6	118.1	118.1	118.3	116.8	117.4	116.9	115.9	116.0	116.2	115.5
MINING	80.8	81.6	78.9	81.7	82.8	81.1	82.5	82.0	81.7	81.3	70.3	80.7	80.4
CONTRACT CONSTRUCTION	116.7	116.9	119.5	119.3	117.4	117.7	118.0	117.7	115.3	110.0	113.8	112.9	112.2
MANUFACTURING	121.0	120.2	120.4	119.7	120.0	120.3	118.4	119.1	119.0	118.7	118.7	118.7	117.9
DURABLE GOODS	128.5	126.6	126.9	125.8	126.3	126.8	124.9	125.3	124.5	124.4	124.1	124.1	123.0
Ordnance and accessories	212.0	212.0	216.3	219.3	222.1	226.2	221.1	220.6	226.6	227.2	216.3	228.8	231.1
Lumber and wood products	92.9	92.9	94.7	95.3	94.2	96.3	95.9	94.2	96.0	94.2	94.2	95.0	94.6
Furniture and fixtures	130.3	131.0	134.6	135.6	135.9	134.2	132.3	132.9	130.8	130.4	130.2	129.6	129.0
Stone, clay, and glass products	112.5	112.0	114.0	113.3	113.6	115.7	115.9	114.2	113.9	112.0	112.4	111.8	111.0
Primary metal industries	115.7	113.9	113.7	112.2	111.9	112.9	111.5	111.0	110.0	108.1	107.7	108.5	105.9
Fabricated metal products	132.2	132.0	132.8	132.1	132.4	133.0	130.1	131.3	129.9	130.6	129.9	128.1	126.7
Machinery, except electrical	138.2	136.9	138.1	137.3	137.7	137.3	136.7	136.3	134.0	135.1	133.8	133.4	132.1
Electrical equipment and supplies	150.4	150.0	150.6	150.8	150.6	149.3	144.7	146.0	143.8	143.5	143.5	144.8	144.2
Transportation equipment	131.2	123.2	120.0	115.7	118.6	119.9	119.4	119.9	120.0	121.7	122.6	122.5	121.3
Instruments and related products	129.7	129.2	130.9	131.5	130.6	130.2	125.7	128.5	127.5	127.8	127.1	126.6	126.5
Miscellaneous manufacturing industries	110.5	111.7	111.4	110.8	112.3	111.2	106.3	112.4	111.8	110.5	110.4	110.3	109.8
NONDURABLE GOODS	111.3	111.9	112.1	111.8	111.7	111.8	109.8	111.0	111.8	111.3	111.7	111.5	111.3
Food and kindred products	97.2	97.0	96.8	97.4	97.6	97.8	97.9	96.9	97.3	96.0	96.5	96.4	96.8
Tobacco manufactures	78.4	79.0	83.1	80.2	75.5	76.8	77.0	80.5	78.0	80.0	80.5	83.8	87.3
Textile mill products	104.6	106.5	106.2	105.5	106.2	106.3	104.1	106.1	107.5	107.2	107.1	107.7	107.3
Apparel and other textile products	117.2	118.1	119.1	118.8	118.2	117.6	114.3	119.0	117.7	117.5	118.9	119.0	117.5
Paper and allied products	122.2	121.8	121.7	121.6	121.6	122.4	120.4	122.1	121.0	119.8	119.4	119.1	118.5
Printing and publishing	118.9	119.3	118.9	118.1	118.3	118.5	117.0	118.8	118.7	118.2	118.5	117.5	118.0
Chemicals and allied products	124.4	124.8	125.4	124.2	123.6	124.5	124.5	124.5	124.5	124.3	123.7	123.3	123.0
Petroleum and coal products	83.8	84.1	82.9	83.8	83.6	82.8	71.0	50.4	83.9	83.7	83.7	82.1	82.2
Rubber and plastics products, nec	163.4	165.2	165.3	164.2	163.5	163.5	160.4	162.0	161.0	159.8	161.0	159.9	159.5
Leather and leather products	90.6	90.8	91.5	92.3	92.5	92.6	87.2	94.1	94.3	95.2	97.0	95.4	95.5

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

NOTE: Data for the 2 most recent months are preliminary.

OUTPUT PER MAN-HOUR SEASONALLY ADJUSTED

C-9: Output per man-hour, hourly compensation, and unit labor costs,
private economy, seasonally adjusted

(Indexes 1957 - 59 = 100)

Year and quarter	Output		Man-hours		Output per man-hour		Compensation per man-hour ¹		Real compensation per man-hour ²		Unit labor costs	
	Private	Private nonfam	Private	Private nonfam	Private	Private nonfam	Private	Private nonfam	Private	Private nonfam	Private	Private nonfam
1966: 1st Quarter	143.2	144.8	109.4	113.7	130.9	127.3	139.2	135.5	124.9	121.6	106.3	106.5
2d Quarter	144.3	146.3	109.8	114.5	131.5	127.7	142.0	137.9	126.1	122.5	108.0	108.0
3d Quarter	145.3	147.4	110.5	115.5	131.5	127.6	144.0	139.6	126.7	122.9	109.5	109.4
4th Quarter	146.9	149.0	110.6	115.5	132.9	129.0	146.5	141.9	128.0	123.9	110.3	110.0
Annual average	144.9	146.9	110.1	114.8	131.7	127.9	142.9	138.8	126.5	122.8	108.5	108.5
1967: 1st Quarter	146.4	148.2	110.6	115.5	132.4	128.3	147.9	143.5	129.0	125.2	111.7	111.9
2d Quarter	147.2	148.9	109.6	114.9	134.4	129.6	150.3	145.5	130.1	126.0	111.9	112.3
3d Quarter	148.9	150.7	110.3	115.3	134.9	130.6	152.2	147.6	130.4	126.4	112.9	113.0
4th Quarter	150.2	152.1	110.9	116.0	135.4	131.1	154.3	149.7	131.1	127.2	114.0	114.2
Annual average	148.2	150.0	110.4	115.4	134.3	129.9	151.2	146.6	130.1	126.2	112.6	112.9
1968: 1st Quarter	152.4	154.3	111.2	116.4	137.0	132.6	158.5	153.6	133.3	129.2	115.7	115.9
2d Quarter	155.2	157.5	112.2	117.5	138.3	134.1	160.8	155.7	133.7	129.4	116.3	116.1
3d Quarter	156.7	159.0	112.7	118.3	139.0	134.4	163.7	158.1	134.5	129.8	117.8	117.6
4th Quarter	158.1	160.6	112.6	118.3	140.4	135.8	167.8	162.0	136.3	131.5	119.6	119.4
Annual average	155.6	157.9	112.2	117.6	138.7	134.2	162.7	157.4	134.4	130.0	117.4	117.3
1969: 1st Quarter	159.1	161.5	113.7	119.6	139.9	135.0	170.5	164.4	136.7	131.8	121.8	121.8
2d Quarter	160.0	162.5	114.7	120.7	139.5	134.6	172.7	166.4	136.2	131.2	123.8	123.7
Percent change from previous quarter ³												
1966: 1st Quarter	2.0	2.1	0.5	0.8	1.5	1.2	2.1	1.8	1.4	1.0	0.6	0.5
2d Quarter	0.8	1.0	0.4	0.7	0.4	0.3	2.0	1.8	0.9	0.7	1.6	1.5
3d Quarter	0.7	0.8	0.7	0.9	0.0	- 0.1	1.4	1.2	0.5	0.3	1.4	1.3
4th Quarter	- 1.1	1.1	0.1	0.0	1.0	1.1	1.8	1.6	1.0	0.8	0.7	0.5
1967: 1st Quarter	- 0.4	- 0.6	0.0	- 0.1	- 0.4	- 0.5	1.0	1.2	0.8	1.0	1.3	1.7
2d Quarter	0.6	0.5	- 0.9	- 0.5	1.5	1.0	1.6	1.3	0.9	0.6	0.1	0.3
3d Quarter	1.1	1.2	0.7	0.4	0.4	0.7	1.3	1.4	0.2	0.4	0.9	0.7
4th Quarter	0.9	1.0	0.5	0.6	0.4	0.4	1.4	1.4	0.5	0.6	1.0	1.1
1968: 1st Quarter	1.5	1.5	0.3	0.3	1.2	1.2	2.7	2.6	1.7	1.6	1.5	1.4
2d Quarter	1.8	2.0	0.9	0.9	0.9	1.1	1.5	1.3	0.3	0.2	0.5	0.2
3d Quarter	1.0	1.0	0.5	0.7	0.5	0.3	1.8	1.6	0.6	0.3	1.3	1.3
4th Quarter	0.9	1.0	- 0.1	0.0	0.9	1.0	2.5	2.5	1.3	1.3	1.6	1.5
1969: 1st Quarter	0.7	0.6	0.9	1.1	- 0.3	- 0.6	1.6	1.4	0.3	- 0.2	1.8	2.0
2d Quarter	0.6	0.6	0.9	0.9	- 0.3	- 0.3	1.3	1.2	- 0.4	- 0.5	1.6	1.5
Annual percent change ⁴												
Year ending -												
1968: 1st Quarter	2.7	2.5	0.1	0.4	2.6	2.2	6.0	5.9	3.0	2.9	3.4	3.7
2d Quarter	3.5	3.5	0.8	0.8	2.7	2.7	6.3	6.3	2.9	2.9	3.5	3.5
3d Quarter	4.3	4.4	1.3	1.5	2.9	2.8	6.8	6.7	2.9	2.8	3.8	3.7
4th Quarter	5.0	5.3	1.7	1.9	3.3	3.3	7.6	7.4	3.3	3.0	4.2	3.9
1969: 1st Quarter	5.1	5.4	2.1	2.4	2.9	2.9	7.7	7.4	3.1	2.7	4.7	4.3
2d Quarter	4.5	4.7	2.0	2.5	2.4	2.2	7.8	7.3	2.9	2.4	5.3	5.1

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

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

³ Percent change based on aggregates.

⁴ Average for 12 months ending with quarter, divided by average for preceding 12 months.

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

5

ESTABLISHMENT DATA

STATE AND AREA HOURS AND EARNINGS

**C-10: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
ALABAMA	\$113.84	\$111.24	\$105.59	41.7	41.2	41.9	\$2.73	\$2.70	\$2.52
Birmingham	137.10	131.84	133.36	41.8	41.2	43.3	3.28	3.20	3.08
Mobile	137.02	132.09	124.07	43.5	42.2	42.2	3.15	3.13	2.94
ALASKA	(*)	183.90	168.90	(*)	41.7	41.6	(*)	4.41	4.06
ARIZONA	125.97	125.90	123.71	40.9	41.2	41.1	3.08	3.08	3.01
Phoenix	128.96	128.54	123.82	41.2	41.2	41.0	3.13	3.12	3.02
Tucson	126.48	132.19	128.07	41.2	42.1	40.4	3.07	3.14	3.17
ARKANSAS	93.90	94.48	90.35	40.3	40.9	40.7	2.33	2.31	2.22
Fort Smith	87.32	91.94	86.58	38.3	40.5	39.9	2.28	2.27	2.17
Little Rock-North Little Rock	100.70	100.45	94.07	41.1	41.0	40.2	2.45	2.45	2.34
Pine Bluff	117.97	116.33	112.47	40.4	41.4	41.5	2.92	2.81	2.71
CALIFORNIA	146.73	146.97	138.40	40.2	40.6	40.0	3.65	3.62	3.46
Anaheim-Santa Ana-Garden Grove	145.40	147.85	136.82	40.5	41.3	40.6	3.59	3.58	3.37
Bakersfield	147.78	150.06	147.14	40.6	41.8	41.8	3.64	3.59	3.52
Fresno	127.12	124.03	111.26	39.6	39.5	36.6	3.21	3.14	3.04
Los Angeles-Long Beach	141.86	143.50	136.15	40.3	41.0	40.4	3.52	3.50	3.37
Oxnard-Ventura	130.93	129.98	123.53	39.2	38.8	40.5	3.34	3.35	3.05
Sacramento	155.99	154.81	153.98	38.9	38.8	40.1	4.01	3.99	3.84
Salinas-Monterey	126.38	125.87	128.44	37.5	37.8	39.4	3.37	3.33	3.26
San Bernardino-Riverside-Ontario	139.70	141.20	138.92	39.8	40.0	41.1	3.51	3.53	3.38
San Diego	160.36	161.11	149.95	40.7	41.1	40.2	3.94	3.92	3.73
San Francisco-Oakland	161.98	159.19	152.06	39.7	39.5	39.6	4.08	4.03	3.84
San Jose	155.29	155.09	139.52	41.3	40.6	39.3	3.76	3.82	3.55
Santa Barbara	138.69	139.54	124.80	40.2	40.8	38.4	3.45	3.42	3.25
Santa Rosa	133.33	129.84	124.58	39.1	38.3	39.3	3.41	3.39	3.17
Stockton	145.30	147.68	136.07	39.7	39.7	39.1	3.66	3.72	3.48
Vallejo-Napa	140.59	140.94	110.55	38.1	38.3	33.1	3.69	3.68	3.34
COLORADO	137.50	139.10	131.97	40.8	41.4	41.5	3.37	3.36	3.18
Denver	137.42	142.69	133.58	40.3	41.6	41.1	3.41	3.43	3.25
CONNECTICUT	137.01	137.67	127.91	41.9	42.1	41.8	3.27	3.27	3.06
Bridgeport	142.28	139.02	131.77	42.6	42.0	41.7	3.34	3.31	3.16
Hartford	149.21	151.20	140.18	43.0	43.7	43.0	3.47	3.46	3.26
New Britain	136.95	137.61	130.31	41.5	41.7	41.5	3.30	3.30	3.14
New Haven	139.11	138.27	130.62	41.9	41.9	42.0	3.32	3.30	3.11
Stamford	144.75	146.03	129.37	42.2	42.7	41.2	3.43	3.42	3.14
Waterbury	126.46	127.98	119.94	41.6	42.1	41.5	3.04	3.04	2.89
DELAWARE	128.79	129.60	124.66	40.5	40.5	39.7	3.18	3.20	3.14
Wilmington	145.80	146.21	138.85	40.5	40.5	39.9	3.60	3.61	3.48
DISTRICT OF COLUMBIA : Washington SMSA	(*)	138.60	129.75	(*)	39.6	39.8	(*)	3.50	3.26
FLORIDA	114.26	112.19	106.14	41.1	41.4	41.3	2.78	2.71	2.57
Fort Lauderdale-Hollywood	114.21	110.68	98.68	40.5	40.1	38.7	2.82	2.76	2.55
Jacksonville	121.98	116.75	104.02	42.8	41.4	39.4	2.85	2.82	2.64
Miami	108.26	107.94	98.42	40.7	41.2	40.5	2.66	2.62	2.43
Orlando	112.31	115.67	112.56	40.4	43.0	42.0	2.78	2.69	2.68
Pensacola	139.86	138.03	128.78	43.3	43.0	42.5	3.23	3.21	3.03
Tampa-St. Petersburg	(*)	114.86	109.46	(*)	42.7	42.1	(*)	2.69	2.60
West Palm Beach	117.56	118.84	118.19	38.8	40.7	44.1	3.03	2.92	2.68
GEORGIA	104.55	104.33	97.10	41.0	41.4	40.8	2.55	2.52	2.38
Atlanta	128.52	130.19	122.84	40.8	41.2	41.5	3.15	3.16	2.96
Savannah	135.36	129.13	122.72	42.7	42.2	41.6	3.17	3.06	2.95
HAWAII	112.33	114.66	113.28	40.7	39.0	44.6	2.76	2.94	2.54
Honolulu	113.16	113.78	108.75	41.3	38.7	43.5	2.74	2.94	2.50
IDAHO	127.97	125.06	127.44	38.2	39.7	39.7	3.35	3.15	3.21
ILLINOIS	140.77	142.19	131.36	40.9	41.2	40.7	3.44	3.45	3.23
Chicago	(*)	144.56	133.46	(*)	41.4	40.8	(*)	3.49	3.27
Davenport-Rock Island-Moline	(*)	152.75	142.16	(*)	39.9	39.1	(*)	3.83	3.64

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-10: Gross hours and earnings of production workers on manufacturing payrolls,
 by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
ILLINOIS (continued)									
Peoria	(*)	\$161.01	\$153.62	(*)	41.8	42.2	(*)	\$3.85	\$3.64
Rockford	(*)	141.17	129.38	(*)	41.6	41.0	(*)	3.39	3.15
INDIANA	\$143.67	145.79	136.20	40.7	41.3	40.9	\$3.53	3.53	3.33
Indianapolis	(*)	147.03	140.27	(*)	41.3	41.5	(*)	3.56	3.38
IOWA	136.17	137.76	128.60	39.7	40.4	40.1	3.43	3.41	3.21
Cedar Rapids	139.84	135.20	125.28	41.2	40.6	39.8	3.37	3.33	3.15
Des Moines	154.71	145.27	134.13	41.7	39.8	39.1	3.71	3.65	3.43
Dubuque	152.49	140.59	140.01	39.0	36.9	38.6	3.91	3.81	3.63
Sioux City	131.87	141.70	122.69	40.7	43.2	41.0	3.24	3.28	2.99
Waterloo	148.93	155.09	155.79	39.4	40.6	41.7	3.78	3.82	3.74
KANSAS	125.13	127.82	124.30	40.9	41.9	42.1	3.06	3.05	2.95
Topeka	144.18	142.74	141.54	43.3	42.9	44.5	3.33	3.33	3.18
Wichita	135.09	133.51	133.07	42.4	42.2	42.6	3.19	3.17	3.12
KENTUCKY	123.60	125.86	118.44	40.0	40.6	40.7	3.09	3.10	2.91
Louisville	134.85	136.90	133.42	39.0	40.0	40.6	3.46	3.42	3.29
LOUISIANA	129.86	129.74	123.09	42.3	42.4	42.3	3.07	3.06	2.91
Baton Rouge	162.38	154.14	147.33	43.3	42.0	40.7	3.75	3.67	3.62
New Orleans	133.22	133.54	124.61	41.5	41.6	41.4	3.21	3.21	3.01
Shreveport	120.27	123.81	106.40	42.2	42.4	40.0	2.85	2.92	2.66
MAINE	102.91	104.04	97.61	40.2	40.8	40.5	2.56	2.55	2.41
Lewiston-Auburn	83.95	85.70	82.56	36.5	37.1	37.7	2.30	2.31	2.19
Portland	104.10	109.33	100.58	38.7	41.1	39.6	2.69	2.66	2.54
MARYLAND	130.97	131.93	123.52	40.8	41.1	40.9	3.21	3.21	3.02
Baltimore	135.46	137.12	127.92	40.8	41.3	41.0	3.32	3.32	3.12
MASSACHUSETTS	120.29	120.80	113.15	39.7	40.0	39.7	3.03	3.02	2.85
Boston	127.40	128.77	120.96	39.2	39.5	39.4	3.25	3.26	3.07
Brockton	103.95	105.05	100.19	37.8	38.2	39.6	2.75	2.75	2.53
Fall River	92.36	93.47	85.32	35.8	36.8	36.0	2.58	2.54	2.37
Lawrence-Haverhill	112.63	113.83	104.28	39.8	40.8	39.5	2.83	2.79	2.64
Lowell	102.33	104.37	96.01	37.9	38.8	38.1	2.70	2.69	2.52
New Bedford	104.79	103.62	96.14	39.1	39.4	39.4	2.68	2.63	2.44
Springfield-Chicopee-Holyoke	123.72	124.14	116.00	40.3	40.7	40.0	3.07	3.05	2.90
Worcester	129.74	128.02	117.21	40.8	40.9	39.2	3.18	3.13	2.99
MICHIGAN	165.40	166.08	161.78	41.8	42.1	42.9	3.96	3.95	3.77
Ann Arbor	152.46	152.46	152.46	41.3	41.1	40.1	3.95	3.91	3.80
Battle Creek	163.36	160.53	149.97	42.3	42.4	42.4	3.86	3.79	3.54
Bay City	154.83	151.72	142.25	42.2	41.6	41.9	3.67	3.65	3.40
Detroit	178.53	176.38	171.00	42.7	42.4	43.6	4.18	4.16	3.92
Flint	184.50	186.49	184.12	42.2	42.5	43.1	4.37	4.39	4.27
Grand Rapids	142.35	142.88	130.52	40.2	41.2	40.0	3.54	3.47	3.26
Jackson	161.56	159.34	146.56	41.5	41.7	38.7	3.89	3.82	3.79
Kalamazoo	161.06	161.99	141.20	43.4	43.9	42.1	3.71	3.69	3.35
Lansing	172.85	173.59	157.53	41.4	41.9	40.6	4.18	4.14	3.88
Muskegon-Muskegon Heights	141.58	143.48	135.26	41.3	42.1	39.9	3.43	3.41	3.39
Saginaw	161.40	167.19	159.97	38.9	41.1	42.9	4.15	4.07	3.73
MINNESOTA	134.37	135.95	127.41	40.7	41.2	41.0	3.30	3.30	3.11
Duluth-Superior	125.85	122.84	126.27	38.8	38.3	40.8	3.25	3.20	3.09
Minneapolis-St. Paul	141.84	144.31	133.70	40.8	41.8	41.1	3.47	3.45	3.26
MISSISSIPPI	94.13	94.19	91.88	40.4	40.6	41.2	2.33	2.32	2.23
Jackson	91.66	91.13	92.10	40.2	40.5	41.3	2.28	2.25	2.23
MISSOURI	130.90	126.17	122.92	40.4	39.8	40.3	3.24	3.17	3.05
Kansas City	127.84	126.00	127.61	40.2	40.0	40.9	3.18	3.15	3.12
St. Joseph	136.28	133.24	122.01	43.4	43.4	41.5	3.14	3.07	2.94
St. Louis	145.75	143.72	137.36	40.6	40.6	40.4	3.59	3.54	3.40
MONTANA	133.25	139.09	131.22	38.4	40.2	40.5	3.47	3.46	3.24
NEBRASKA	125.81	127.35	118.28	42.8	43.5	42.9	2.94	2.93	2.76
Omaha	129.15	128.76	121.93	42.0	42.0	42.1	3.08	3.06	2.90

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

7

ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

**C-10: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
NEVADA.....	\$159.98	\$159.17	\$151.31	40.5	40.5	38.5	\$3.95	\$3.93	\$3.93
NEW HAMPSHIRE.....	103.36	104.26	96.62	39.6	40.1	39.6	2.61	2.60	2.44
Manchester.....	92.86	93.21	88.47	37.9	38.2	38.3	2.45	2.44	2.31
NEW JERSEY.....	131.87	133.40	125.45	40.7	41.3	40.6	3.24	3.23	3.09
Atlantic City.....	101.14	106.13	96.62	38.9	39.6	39.6	2.60	2.68	2.44
Camden ¹	135.12	135.22	125.15	40.7	41.1	40.5	3.32	3.29	3.09
Jersey City ²	133.90	137.76	125.02	40.7	42.0	40.2	3.29	3.28	3.11
Newark ²	129.20	132.19	125.76	40.0	40.8	40.7	3.23	3.24	3.09
Paterson-Clifton-Passaic ²	133.99	133.49	126.28	41.1	41.2	41.0	3.26	3.24	3.08
Perth Amboy ²	134.00	139.52	130.33	40.0	41.4	40.6	3.35	3.37	3.21
Trenton.....	126.08	123.95	121.39	39.9	39.6	39.8	3.16	3.13	3.05
NEW MEXICO.....	105.46	103.22	106.77	40.1	40.8	42.2	2.63	2.53	2.53
Albuquerque.....	115.46	113.52	111.14	40.8	40.4	42.1	2.83	2.81	2.64
NEW YORK.....	(*)	128.48	120.87	(*)	39.9	39.5	(*)	3.22	3.06
Albany-Schenectady-Troy.....	139.06	141.52	129.74	40.9	41.5	40.8	3.40	3.41	3.18
Binghamton.....	130.00	128.93	117.38	41.4	40.8	40.2	3.14	3.16	2.92
Buffalo.....	151.29	153.50	144.90	41.0	41.6	41.4	3.69	3.69	3.50
Elmira.....	123.32	122.51	112.35	40.3	40.3	39.7	3.06	3.04	2.83
Monroe County ³	151.20	152.40	142.14	41.2	41.3	41.2	3.67	3.69	3.45
Nassau and Suffolk Counties ⁴	126.72	127.80	126.48	40.1	40.7	41.2	3.16	3.14	3.07
New York-Northeastern New Jersey.....	(*)	126.96	119.56	(*)	39.8	39.2	(*)	3.19	3.05
New York SMSA ²	(*)	122.54	114.60	(*)	38.9	38.2	(*)	3.15	3.00
New York City ⁴	(*)	120.96	112.42	(*)	38.4	37.6	(*)	3.15	2.99
Rochester.....	147.50	148.32	138.51	41.2	41.2	41.1	3.58	3.60	3.37
Rockland County ⁴	128.54	128.85	122.70	41.2	41.7	40.9	3.12	3.09	3.00
Syracuse.....	136.49	138.43	129.34	40.5	41.2	40.8	3.37	3.36	3.17
Utica-Rome.....	121.09	119.50	114.00	39.7	40.1	40.0	3.05	2.98	2.85
Westchester County ⁴	134.53	131.46	119.78	40.4	40.7	39.4	3.33	3.23	3.04
NORTH CAROLINA.....	94.42	93.89	88.75	40.7	41.0	40.9	2.32	2.29	2.17
Asheville.....	92.52	93.56	87.20	40.4	41.4	40.0	2.29	2.26	2.18
Charlotte.....	97.85	99.12	92.89	40.6	41.3	41.1	2.41	2.40	2.26
Greensboro-Winston-Salem-High Point.....	99.43	101.96	92.27	39.3	40.3	39.6	2.53	2.53	2.33
Raleigh.....	93.69	95.99	89.69	39.7	40.5	40.4	2.36	2.37	2.22
NORTH DAKOTA.....	113.88	111.09	113.47	40.7	39.9	40.9	2.80	2.78	2.77
Fargo-Moorhead.....	128.80	124.47	126.62	41.4	40.3	42.6	3.11	3.09	2.97
OHIO.....	150.51	153.52	141.38	41.6	42.2	41.6	3.62	3.64	3.40
Akron.....	163.50	168.56	162.28	41.6	42.8	42.8	3.93	3.94	3.79
Canton.....	151.59	150.20	132.32	41.9	41.6	39.9	3.62	3.61	3.32
Cincinnati.....	137.96	140.29	132.67	41.5	42.0	41.9	3.32	3.34	3.17
Cleveland.....	156.42	161.83	146.41	42.3	43.3	42.0	3.70	3.74	3.49
Columbus.....	138.94	141.75	131.64	40.6	41.0	40.5	3.42	3.46	3.25
Dayton.....	174.62	173.17	159.32	43.0	42.8	42.4	4.06	4.05	3.76
Toledo.....	160.93	165.79	145.69	42.1	42.9	40.9	3.82	3.86	3.56
Youngstown-Warren.....	158.04	160.93	146.67	41.1	41.5	40.6	3.85	3.88	3.61
OKLAHOMA.....	119.77	120.72	115.08	40.6	41.2	41.1	2.95	2.93	2.80
Oklahoma City.....	113.81	117.31	106.63	40.5	41.6	40.7	2.81	2.82	2.62
Tulsa.....	131.05	132.39	128.10	40.7	41.5	42.0	3.22	3.19	3.05
OREGON.....	137.21	139.20	133.85	37.8	39.1	39.6	3.63	3.56	3.38
Eugene.....	142.60	141.99	139.06	39.5	38.9	40.9	3.61	3.65	3.40
Portland.....	142.35	141.84	131.48	39.0	39.4	38.9	3.65	3.60	3.38
PENNSYLVANIA.....	127.20	128.07	119.20	40.0	40.4	40.0	3.18	3.17	2.98
Allentown-Bethlehem-Easton.....	123.95	123.47	117.41	39.1	39.7	39.8	3.17	3.11	2.95
Altoona.....	106.11	107.06	94.88	39.3	39.8	37.5	2.70	2.69	2.53
Erie.....	136.31	136.73	126.77	42.2	42.2	41.7	3.23	3.24	3.04
Harrisburg.....	117.62	118.61	109.76	40.7	40.9	40.5	2.89	2.90	2.71
Johnstown.....	123.42	127.87	121.76	36.3	38.4	38.9	3.40	3.33	3.13
Lancaster.....	112.29	115.66	104.27	39.4	40.3	39.2	2.85	2.87	2.66
Philadelphia.....	136.49	136.49	126.32	40.5	40.5	40.1	3.37	3.37	3.15
Pittsburgh.....	145.12	146.52	137.97	40.2	40.7	40.7	3.61	3.60	3.39
Reading.....	107.44	114.80	106.40	38.1	40.0	40.0	2.82	2.87	2.66
Scranton.....	98.56	99.46	93.37	38.5	38.4	37.8	2.56	2.59	2.47
Wilkes-Barre-Hazleton.....	94.00	94.00	87.08	37.3	37.3	36.9	2.52	2.52	2.36
York.....	119.28	120.70	110.04	42.0	42.5	42.0	2.84	2.84	2.62

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-10: Gross hours and earnings of production workers on manufacturing payrolls,
 by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968	July 1969	June 1969	July 1968
RHODE ISLAND	\$108.00	\$107.33	\$102.21	40.3	40.2	40.4	\$2.68	\$2.67	\$2.53
Providence-Pawtucket-Warwick	108.27	108.54	103.02	40.1	40.2	40.4	2.70	2.70	2.55
SOUTH CAROLINA	99.29	97.29	91.88	41.2	41.4	41.2	2.41	2.35	2.23
Charleston	110.00	112.07	109.56	40.0	40.9	41.5	2.75	2.74	2.64
Greenville.....	100.62	97.71	89.35	42.1	42.3	40.8	2.39	2.31	2.19
SOUTH DAKOTA	124.04	123.88	122.21	44.3	44.4	45.6	2.80	2.79	2.68
Sioux Falls.....	138.93	141.37	136.33	45.7	45.9	47.5	3.04	3.08	2.87
TENNESSEE	(*)	103.68	99.54	(*)	40.5	40.3	(*)	2.56	2.47
Chattanooga	114.95	115.23	106.80	41.2	41.6	40.0	2.79	2.77	2.67
Knoxville	116.47	116.76	112.56	40.3	40.4	40.2	2.89	2.89	2.80
Memphis	116.40	115.06	113.44	40.7	40.8	41.4	2.86	2.82	2.74
Nashville	111.56	114.21	103.75	39.7	40.5	39.6	2.81	2.82	2.62
TEXAS	124.20	123.97	120.22	41.4	41.6	41.6	3.00	2.98	2.89
Amarillo.....	112.61	111.66	98.36	41.1	40.9	39.5	2.74	2.73	2.49
Austin	98.85	100.80	95.24	39.7	40.0	40.7	2.49	2.52	2.34
Beaumont-Port Arthur-Orange.....	169.22	166.76	154.56	42.2	41.9	42.0	4.01	3.98	3.68
Corpus Christi.....	145.69	144.40	140.91	42.6	42.1	42.7	3.42	3.43	3.30
Dallas	118.66	118.82	111.93	41.2	41.4	41.0	2.88	2.87	2.73
El Paso	(*)	86.52	85.03	(*)	41.2	40.3	(*)	2.10	2.11
Fort Worth.....	136.85	133.14	130.09	42.9	42.4	42.1	3.19	3.14	3.09
Galveston-Texas City	193.93	187.45	181.44	45.1	43.9	44.8	4.30	4.27	4.05
Houston	146.93	147.71	143.01	43.6	43.7	43.6	3.37	3.38	3.28
Lubbock	104.37	103.01	103.74	42.6	43.1	45.3	2.45	2.39	2.29
San Antonio.....	105.50	100.53	96.41	42.2	41.2	42.1	2.50	2.44	2.29
Waco	106.30	103.68	103.72	38.1	38.4	40.2	2.79	2.70	2.58
Wichita Falls.....	99.36	102.48	94.48	41.4	42.7	40.9	2.40	2.40	2.31
UTAH	131.20	133.17	131.84	40.0	40.6	41.2	3.28	3.28	3.20
Salt Lake City.....	124.42	124.49	124.44	39.5	39.9	41.9	3.15	3.12	2.97
VERMONT	115.64	116.62	108.36	41.9	42.1	42.0	2.76	2.77	2.58
Burlington	135.86	134.84	115.50	45.9	45.4	42.0	2.96	2.97	2.75
Springfield	131.36	128.64	118.84	41.7	41.1	40.7	3.15	3.13	2.92
VIRGINIA	106.78	107.64	101.76	40.6	41.4	41.2	2.63	2.60	2.47
Lynchburg	104.66	101.92	101.41	42.2	41.6	43.9	2.48	2.45	2.31
Norfolk-Portsmouth.....	113.55	112.44	111.04	41.9	41.8	41.9	2.71	2.69	2.65
Richmond	114.11	117.38	107.87	39.9	40.9	40.4	2.86	2.87	2.67
Roanoke	95.11	102.12	90.62	39.3	42.2	39.4	2.42	2.42	2.30
WASHINGTON	152.87	152.80	140.18	39.5	40.0	39.6	3.87	3.82	3.54
Seattle-Everett	156.41	159.19	142.40	39.8	40.2	40.0	3.93	3.96	3.56
Spokane	146.49	146.03	145.30	39.7	39.9	40.7	3.69	3.66	3.57
Tacoma.....	147.78	147.38	136.96	39.2	39.3	38.8	3.77	3.75	3.53
WEST VIRGINIA	127.12	128.56	123.72	39.6	40.3	40.3	3.21	3.19	3.07
Charleston	156.14	155.03	144.20	42.2	41.9	41.2	3.70	3.70	3.50
Huntington-Ashland.....	141.95	140.35	133.00	40.1	40.8	39.7	3.54	3.44	3.35
Wheeling.....	121.29	130.25	121.27	39.0	40.2	39.5	3.11	3.24	3.07
WISCONSIN	136.67	140.06	129.26	41.0	41.5	40.8	3.33	3.37	3.16
Green Bay.....	140.20	141.65	129.30	41.9	42.4	41.7	3.35	3.34	3.10
Kenosha	147.27	164.17	114.30	38.5	42.8	32.6	3.83	3.84	3.51
La Crosse.....	113.38	115.34	109.20	40.1	40.5	39.6	2.83	2.85	2.76
Madison	144.98	151.06	141.29	39.9	41.4	41.1	3.63	3.65	3.44
Milwaukee.....	147.27	149.68	141.47	40.6	41.1	40.9	3.63	3.64	3.46
Racine	143.26	140.76	133.01	41.4	40.4	40.2	3.46	3.49	3.31
WYOMING	127.12	122.43	124.19	40.1	38.5	39.3	3.17	3.18	3.16
Casper	160.27	152.18	150.58	43.2	40.8	42.9	3.71	3.73	3.51

¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

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

³ Subarea of Rochester Standard Metropolitan Statistical Area.

⁴ Subarea of New York Standard Metropolitan Statistical Area.

* Not available.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA LABOR TURNOVER

D-1: Labor turnover rates in manufacturing

1958 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1958.....	2.9	2.6	2.8	3.1	3.6	4.7	4.2	4.9	5.0	4.0	3.2	2.7	3.6
1959 ¹	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	3.9	4.3	4.6	5.9	5.0	5.7	5.7	5.0	3.8	3.0	4.6
1969.....	4.6	3.9	4.4	4.5	4.8	6.6	5.2						
New hires													
1958.....	1.2	1.1	1.1	1.3	1.5	2.2	2.1	2.4	2.6	2.2	1.7	1.3	1.7
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	4.5	4.0	2.9	2.2	3.5
1969.....	3.3	3.0	3.4	3.5	3.8	5.4	4.0						
Total separations													
1958.....	5.4	4.1	4.5	4.4	3.9	3.5	3.7	4.1	4.5	4.1	3.6	3.5	4.1
1959 ¹	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	4.9	4.1	3.8	4.6
1969.....	4.5	4.0	4.4	4.5	4.6	4.5	5.3						
Quits													
1958.....	.9	.8	.8	.8	.9	1.0	1.1	1.5	1.9	1.3	1.0	.8	1.1
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	2.2	2.3	3.7	4.1	2.8	2.1	1.6	2.5
1969.....	2.3	2.1	2.4	2.6	2.7	2.6	2.7						
Layoffs													
1958.....	4.0	2.9	3.3	3.2	2.6	2.0	2.3	2.1	2.1	2.3	2.2	2.4	2.6
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	1.7	1.2	1.1	1.2	1.2	1.4	1.2
1969.....	1.2	1.0	1.0	.9	.9	.9	1.7						

¹Beginning with January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the labor turnover series.

Data for the current month are 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	
		July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969
	MANUFACTURING	5.2	6.6	4.0	5.4	5.3	4.5	2.7	2.6	1.7	0.9
19,24,25,32-39	DURABLE GOODS	4.6	6.2	3.7	5.1	5.1	4.4	2.5	2.4	1.6	.9
20-23,26-31	NONDURABLE GOODS	6.0	7.0	4.5	5.7	5.5	4.8	3.0	2.9	1.7	1.0
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	2.7	3.8	1.9	3.0	3.3	3.5	1.7	1.7	.7	1.0
192	Ammunition, except for small arms	2.1	3.4	1.4	2.7	3.2	3.7	1.6	1.6	.6	1.2
24	LUMBER AND WOOD PRODUCTS	6.3	9.0	5.5	8.1	6.7	6.5	4.5	4.7	1.1	.8
242	Sawmills and planing mills	6.0	7.9	5.4	7.2	6.1	6.1	4.5	4.6	.6	.6
2421	Sawmills and planing mills, general	5.5	7.9	5.0	7.1	5.6	6.1	4.1	4.4	.6	.7
243	Millwork, plywood & related products	5.0	7.6	4.3	7.0	6.5	5.8	3.7	3.9	1.9	1.1
2431	Millwork	5.0	7.9	4.5	7.2	6.3	5.3	3.7	3.5	1.3	1.1
2432	Veneer and plywood	4.8	6.4	3.8	5.9	6.9	5.9	3.5	4.0	2.7	1.1
244	Wooden containers	10.2	11.1	9.5	10.5	11.4	8.5	7.9	6.7	1.9	.3
2441,2	Wooden boxes, shooks, and crates	9.2	10.3	8.5	9.8	8.8	8.0	6.5	6.3	1.2	.4
249	Miscellaneous wood products	6.8	8.9	5.7	8.0	6.4	6.3	4.5	4.5	.7	.5
25	FURNITURE AND FIXTURES	7.2	7.6	6.2	7.0	7.3	5.7	4.6	4.0	1.5	.5
251	Household furniture	7.8	7.5	6.6	6.8	7.8	5.9	5.1	4.1	1.4	.5
2511	Wood household furniture	7.6	7.8	6.5	7.1	7.7	5.5	5.1	4.1	1.3	.3
2512	Upholstered household furniture	6.6	5.1	5.8	4.8	5.9	4.3	4.4	3.0	.4	.6
2515	Mattresses and bedsprings	9.1	8.9	7.9	8.3	8.5	7.5	5.9	5.3	1.4	.7
252	Office furniture	6.8	7.7	5.3	7.1	6.4	4.8	3.6	3.7	2.0	.2
32	STONE, CLAY, AND GLASS PRODUCTS	5.6	7.9	4.8	6.8	4.9	4.6	3.2	3.0	.7	.5
321	Flat glass	3.8	5.6	1.0	1.3	1.7	2.1	.3	.6	.9	.9
322	Glass and glassware, pressed or blown	5.7	6.6	4.6	5.3	4.7	4.1	2.6	2.3	.9	.5
3221	Glass containers	5.3	7.6	4.9	6.4	4.7	4.4	3.0	2.8	.7	.5
3229	Pressed and blown glass, n e c	(1)	5.2	(1)	3.8	(1)	3.7	(1)	1.6	(1)	.5
324	Cement, hydraulic	3.8	5.3	3.6	5.0	1.2	1.7	.7	.9	.1	.1
325	Structural clay products	5.9	9.1	5.5	8.6	6.4	5.9	4.8	4.5	.4	.5
3251	Brick and structural clay tile	7.2	10.9	6.8	10.3	7.8	6.7	6.0	5.4	.4	.4
326	Pottery and related products	5.6	7.3	4.9	6.7	5.7	4.9	3.6	3.6	1.0	.2
3291	Abrasive products	4.5	6.7	4.2	5.6	2.6	3.0	1.6	1.7	.3	.3
33	PRIMARY METAL INDUSTRIES	4.4	6.3	3.8	5.4	3.7	3.5	1.8	1.9	.7	.5
331	Blast furnace and basic steel products	4.2	5.9	3.7	5.1	2.9	2.4	1.1	1.2	.5	.2
3312	Blast furnaces and steel mills	4.3	5.9	3.8	5.1	2.6	2.2	1.0	1.1	.4	.2
332	Iron and steel foundries	5.7	7.6	5.0	6.8	5.8	5.5	3.7	3.5	.6	.6
3321	Gray iron foundries	5.8	8.0	5.0	7.0	6.0	5.7	4.2	3.6	.3	.7
3322	Malleable iron foundries	6.0	7.5	5.5	6.9	6.7	5.4	3.7	3.3	1.4	.6
3323	Steel foundries	5.4	6.7	4.7	6.2	5.0	5.0	2.8	3.2	1.0	.4
333,4	Nonferrous metals	3.4	6.5	3.0	5.7	3.2	3.2	1.8	2.0	.2	.1
335	Nonferrous rolling and drawing	3.8	5.6	2.9	4.2	3.3	3.6	1.5	1.5	1.0	1.2
3351	Copper rolling and drawing	2.6	4.4	2.1	3.9	2.6	2.6	1.4	1.4	.4	.1
3352	Aluminum rolling and drawing	2.6	4.3	2.2	3.5	3.3	2.9	1.6	1.5	.6	.5
3357	Nonferrous wire drawing, and insulating	6.2	8.0	4.3	5.3	4.3	5.3	1.6	1.6	1.9	2.7
336	Nonferrous foundries	5.5	7.5	4.3	6.5	6.2	6.5	3.2	3.6	1.8	.8
3361	Aluminum castings	4.2	7.3	3.6	6.0	5.5	7.0	3.2	3.6	1.3	.6
3362,9	Other nonferrous castings	6.8	7.7	4.9	7.1	6.9	6.1	3.1	3.7	2.3	.9
339	Miscellaneous primary metal products	3.9	5.8	3.4	5.2	3.5	3.2	2.1	1.9	.4	.3
3391	Iron and steel forgings	3.4	5.5	3.1	5.0	2.9	3.0	1.8	1.6	.2	.3

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

ESTABLISHMENT DATA LABOR TURNOVER

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969
<i>Durable Goods--Continued</i>											
34	FABRICATED METAL PRODUCTS	5.4	7.4	4.6	6.2	5.3	5.5	3.1	3.0	1.0	1.3
341	Metal cans	5.8	6.2	3.8	4.0	4.7	4.5	1.6	1.5	1.7	1.6
342	Cutlery, hand tools, and hardware	4.2	6.1	3.1	4.5	4.3	5.2	2.4	2.3	1.0	2.0
3421,3,5	Cutlery and hand tools, incl. saws	3.9	6.2	2.7	5.6	4.3	3.8	2.2	2.4	1.2	.5
3429	Hardware, n e c	(1)	6.1	(1)	3.8	(1)	6.1	(1)	2.2	(1)	3.0
343	Plumbing and heating, except electric	5.4	7.5	5.0	7.0	5.4	5.4	3.6	3.4	.5	.6
3431,2	Sanitary ware & plumbers' brass goods	5.4	7.0	5.0	6.3	6.1	5.4	4.0	3.7	.6	.4
3433	Heating equipment, except electric	5.4	7.9	5.0	7.6	4.8	5.4	3.3	3.2	.4	.7
344	Fabricated structural metal products	5.9	8.3	5.4	7.5	5.6	5.1	3.2	3.2	1.0	.6
3441	Fabricated structural steel	6.0	7.2	5.5	6.4	6.1	5.1	3.6	3.1	1.1	.8
3443	Fabricated plate work (boiler shops)	3.3	5.4	3.0	4.6	3.5	3.5	2.1	2.1	.6	.5
3446,9	Architectural and misc. metal work	9.3	11.6	8.0	10.3	6.2	5.9	3.2	3.7	1.5	.7
345	Screw machine products, bolts, etc.	4.6	6.9	4.3	6.3	4.3	4.2	2.9	2.9	.2	.4
3452	Bolts, nuts, rivets, and washers	3.4	5.7	3.1	5.1	3.2	3.5	1.9	2.2	.2	.3
346	Metal stampings	(1)	6.4	(1)	4.7	(1)	6.1	(1)	2.4	(1)	2.7
348	Misc. fabricated wire products	(1)	8.0	(1)	7.4	(1)	5.9	(1)	4.4	(1)	.3
349	Misc. fabricated metal products	4.8	6.5	4.0	5.9	4.8	4.3	2.9	3.0	1.0	.3
3494,8	Valves, pipe, and pipe fittings	4.9	5.8	3.7	5.1	4.5	4.0	2.6	2.8	1.0	.2
35	MACHINERY, EXCEPT ELECTRICAL	3.5	5.2	2.9	4.3	3.4	3.4	1.9	1.8	.6	.6
351	Engines and turbines	2.2	4.6	1.5	3.4	1.9	2.3	1.1	1.1	.2	.1
3511	Steam engines and turbines	1.3	3.6	1.2	2.8	1.2	1.9	.8	.8	.1	(2)
3519	Internal combustion engines, n e c	2.6	5.1	1.6	3.6	2.3	2.4	1.2	1.2	.3	.2
352	Farm machinery	3.2	4.3	1.9	2.6	4.1	4.9	1.7	1.6	1.5	2.3
353	Construction and related machinery	3.4	5.2	3.1	4.8	3.6	3.0	2.1	1.9	.3	.2
3531,2	Construction and mining machinery	3.3	4.7	2.9	4.3	3.5	2.5	2.0	1.6	.3	.1
3533	Oil field machinery	3.7	5.9	3.4	5.6	3.4	3.7	2.2	2.6	.1	.1
3535,6	Conveyors, hoists, cranes, monorails	3.1	5.4	3.0	5.1	3.0	3.0	1.8	2.0	.3	.1
354	Metal working machinery	3.4	4.7	2.6	4.0	3.3	3.1	1.7	1.8	.7	.4
3541	Machine tools, metal cutting types	2.5	3.8	2.2	3.5	2.9	2.1	1.3	1.3	.8	.2
3545	Machine tool accessories	3.5	4.0	2.3	3.5	3.7	3.4	2.1	1.8	.8	.9
3542,8	Misc. metal working machinery	2.6	4.5	2.1	3.9	2.5	2.7	1.5	1.8	.3	.1
355	Special industry machinery	2.8	4.8	2.5	4.4	2.9	2.9	1.7	1.8	.4	.3
3551	Food products machinery	2.6	4.7	2.3	4.3	2.8	2.5	1.6	1.5	.4	.3
3552	Textile machinery	3.1	6.3	2.6	5.7	3.1	3.3	2.1	2.3	.2	.2
356	General industrial machinery	3.0	5.4	2.5	4.5	3.3	3.4	1.9	1.8	.5	.5
3561	Pumps and compressors	2.5	4.9	2.3	4.3	2.7	2.7	1.7	1.8	.2	.1
3562	Ball and roller bearings	2.3	4.8	1.6	2.8	2.8	4.2	1.6	1.1	.7	1.9
3566	Power transmission equipment	3.2	6.3	2.4	5.5	3.5	3.2	1.8	2.0	.7	.1
357	Office and computing machines	3.9	4.7	3.4	3.8	2.9	2.8	1.5	1.6	.2	.3
3573	Electronic computing equipment	3.2	4.4	2.5	3.8	2.4	2.6	1.0	1.5	.3	.3
358	Service industry machines	5.1	6.9	4.2	6.2	5.3	4.7	2.7	2.5	1.1	.7
3585	Refrigeration machinery	5.5	7.2	4.4	6.4	5.8	4.4	2.7	2.5	1.5	.4
36	ELECTRICAL EQUIPMENT AND SUPPLIES	4.1	5.7	3.1	4.6	4.0	3.7	2.2	2.2	.9	.5
361	Electric test & distributing equipment	3.2	5.3	2.7	4.4	3.0	3.0	1.8	1.9	.3	.1
3611	Electric measuring instruments	3.8	6.4	3.0	4.9	3.6	3.3	2.0	2.0	.4	.1
3612	Transformers	3.2	4.9	2.9	4.3	2.5	3.0	1.8	2.0	.1	.1
3613	Switchgear and switchboard apparatus	2.7	4.7	2.3	4.0	2.9	2.7	1.7	1.9	.4	(2)
362	Electrical industrial apparatus	3.3	5.7	2.7	4.9	2.9	3.3	1.6	2.0	.5	.5
3621	Motors and generators	3.4	5.2	2.7	4.4	3.0	3.2	1.5	1.8	.7	.6
3622	Industrial controls	2.3	6.3	1.9	5.4	2.2	3.5	1.4	2.3	.2	.4
363	Household appliances	4.0	5.0	2.9	4.1	4.0	3.6	2.3	2.1	.9	.4
3632	Household refrigerators and freezers	(1)	3.5	(1)	2.4	(1)	3.0	(1)	1.4	(1)	.6
3633	Household laundry equipment	(1)	5.8	(1)	5.3	(1)	2.3	(1)	1.2	(1)	.4
3634	Electric housewares and fans	6.7	7.1	4.8	6.2	6.4	5.3	3.2	3.4	1.9	.5
364	Electric lighting and wiring equipment	5.3	6.3	4.8	5.4	5.5	5.3	3.6	3.0	.7	1.1
3641	Electric lamps	1.5	4.1	1.1	3.2	2.9	2.7	1.5	2.0	.9	(2)
3642	Lighting fixtures	(1)	6.7	(1)	5.5	(1)	6.9	(1)	3.0	(1)	2.8
3643,4	Wiring devices	6.2	6.9	5.7	6.1	5.9	5.4	4.1	3.5	.4	.5
365	Radio and TV receiving equipment	4.1	7.3	2.7	4.9	4.7	5.1	2.1	2.7	1.5	.4
366	Communication equipment	3.3	4.3	2.3	3.5	3.6	2.6	1.8	1.6	1.0	.3
3661	Telephone and telegraph apparatus	(1)	4.7	(1)	4.3	(1)	2.3	(1)	1.6	(1)	(2)
3662	Radio and TV communication equipment	2.7	4.2	2.0	3.1	3.1	2.8	1.7	1.6	.7	.4
367	Electronic components and accessories	4.9	7.1	3.4	6.0	4.6	4.4	2.3	2.8	1.3	.5
3671-3	Electron tubes	(1)	4.3	(1)	2.7	(1)	3.6	(1)	2.0	(1)	.5
3674,9	Misc. electronic components	5.5	7.7	3.9	6.7	4.7	4.6	2.5	3.0	1.2	.5
369	Misc. electrical equipment & supplies	5.5	5.1	4.9	4.2	4.4	3.6	2.5	1.8	.6	.7
3694	Engine electrical equipment	(1)	4.5	(1)	3.6	(1)	3.0	(1)	1.4	(1)	.7

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

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT	4.4	5.5	2.8	3.7	8.3	4.8	1.9	1.9	5.4	1.8
371	Motor vehicles and equipment	(1)	6.2	(1)	3.8	(1)	5.4	(1)	1.6	(1)	2.7
3711	Motor vehicles	(1)	6.0	(1)	3.4	(1)	5.1	(1)	1.5	(1)	2.3
3712	Passenger car bodies	(1)	7.3	(1)	2.9	(1)	5.9	(1)	.7	(1)	4.1
3713	Truck and bus bodies	(1)	8.6	(1)	7.7	(1)	4.6	(1)	2.3	(1)	.9
3714	Motor vehicle parts and accessories	(1)	5.7	(1)	3.6	(1)	5.6	(1)	1.3	(1)	3.2
372	Aircraft and parts	2.3	2.6	1.8	1.8	2.6	2.8	1.4	1.4	.6	.8
3721	Aircraft	2.6	2.6	2.0	1.8	2.3	2.5	1.4	1.4	.5	.7
3722	Aircraft engines and engine parts	1.5	2.3	1.0	1.4	2.7	2.8	1.2	.9	.8	.8
3723,9	Other aircraft parts and equipment	2.4	3.2	1.9	2.5	3.3	3.8	1.7	1.8	.9	1.4
373	Ship and boat building and repairing	8.9	11.0	5.6	7.9	9.0	8.0	3.7	4.0	3.9	2.5
3731	Ship building and repairing	9.5	11.2	5.8	7.4	9.0	7.7	3.2	3.2	4.3	3.0
374	Railroad equipment	5.2	6.9	3.8	4.9	5.0	5.0	1.9	1.9	1.7	1.8
375,9	Other transportation equipment	8.3	10.5	7.8	9.6	10.1	9.0	5.7	5.4	2.5	1.3
38	INSTRUMENTS AND RELATED PRODUCTS	3.0	4.8	2.6	4.2	3.0	3.3	1.7	1.9	.5	.5
381	Engineering & scientific instruments	2.3	3.4	1.9	2.7	3.3	4.2	1.6	1.7	.5	1.7
382	Mechanical measuring & control devices	2.5	5.2	2.1	4.6	2.9	3.1	1.6	2.0	.7	.2
3821	Mechanical measuring devices	2.9	5.2	2.5	4.7	3.3	2.7	1.9	2.0	.9	.2
3822	Automatic temperature controls	1.9	5.3	1.7	4.4	2.3	3.6	1.3	1.9	.5	.4
383,5	Optical and ophthalmic goods	3.1	5.2	2.6	4.4	3.5	3.8	2.3	2.5	.5	.4
384	Medical instruments and supplies	3.8	5.7	3.3	5.1	3.5	4.0	2.4	2.8	.2	.2
386	Photographic equipment and supplies	3.1	4.5	3.0	4.3	1.6	1.6	1.0	1.0	.1	.1
387	Watches, clocks, and watchcases	4.1	5.0	2.2	3.9	4.9	4.6	2.3	2.6	1.8	.5
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	7.7	7.9	5.9	6.7	7.3	5.8	3.8	3.5	2.5	1.3
391	Jewelry, silverware, and plated ware	7.0	3.6	3.6	2.9	7.7	3.4	2.6	2.5	4.2	.3
394	Toys and sporting goods	11.7	13.0	8.9	11.2	10.9	8.4	5.8	5.5	3.6	1.5
3941-3	Games, toys, dolls, & play vehicles	15.1	15.9	11.2	13.4	12.2	8.1	6.9	5.9	3.9	1.0
3949	Sporting and athletic goods, n e c	6.9	9.1	5.8	8.1	9.1	8.7	4.3	4.9	3.3	2.2
395	Pens, pencils, office and art supplies	4.3	6.8	3.5	5.9	4.6	5.4	2.1	2.5	1.9	1.7
396	Costume jewelry and notions	7.2	6.5	5.7	5.0	5.8	5.4	3.5	3.5	1.3	1.2
393,8,9	Other manufacturing industries	5.8	6.1	4.8	5.3	5.7	4.9	3.2	2.6	1.7	1.4
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	8.7	10.3	6.7	8.1	6.7	6.3	3.6	3.4	2.4	2.0
201	Meat products	8.2	10.3	6.1	7.5	6.4	6.4	3.9	3.9	1.7	1.7
2011	Meat packing plants	5.4	8.0	2.5	4.2	5.0	5.3	1.6	1.8	2.8	2.8
2015	Poultry dressing plants	15.7	17.8	14.0	15.7	11.0	10.5	9.3	9.0	.5	.4
204	Grain mill products	5.2	6.3	4.0	5.3	3.9	3.7	2.2	2.1	1.1	.7
2041	Flour and other grain mill products	3.8	6.2	3.3	5.1	4.8	4.5	1.9	1.8	2.0	1.2
2042	Prepared feeds for animals and fowls	4.9	6.0	4.3	5.5	3.4	3.4	2.6	2.4	.3	.3
205	Bakery products	5.7	7.4	5.1	6.6	4.8	5.4	3.2	3.5	.9	1.2
2051	Bread, cake, and related products	5.5	7.6	5.2	6.8	4.5	5.5	3.3	3.7	.7	1.2
2052	Cookies and crackers	(1)	6.6	(1)	5.2	(1)	4.7	(1)	2.4	(1)	1.1
207	Confectionery and related products	10.5	9.2	7.1	7.1	7.9	7.2	4.6	4.2	2.6	1.8
2071	Confectionery products	12.2	9.5	8.1	7.4	9.3	8.0	5.3	4.6	3.2	2.2
208	Beverages	6.3	10.1	5.3	8.5	5.5	5.6	3.3	3.4	1.6	1.2
2082	Malt liquors	5.2	7.1	3.2	4.6	4.4	3.1	1.1	.9	2.8	1.7
21	TOBACCO MANUFACTURES	11.2	4.9	6.1	3.3	5.2	3.5	2.1	1.9	2.3	.8
211	Cigarettes	1.4	4.1	1.1	2.5	1.1	1.5	.6	.8	.1	(2)
212	Cigars	6.5	6.1	5.1	4.8	14.0	6.3	5.1	4.2	7.2	1.2

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

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969
<i>Nondurable Goods--Continued</i>											
	TEXTILE MILL PRODUCTS	5.9	6.6	4.8	5.6	6.1	5.2	4.1	3.8	1.0	0.4
22	Weaving mills, cotton	5.4	6.2	4.4	5.1	5.3	5.4	4.1	4.2	.1	.2
222	Weaving mills, synthetics	5.2	6.0	4.3	5.0	5.2	5.2	3.7	3.8	.6	.3
223	Weaving and finishing mills, wool	5.3	6.8	4.2	5.9	6.0	5.2	3.1	3.4	1.3	.8
224	Narrow fabric mills	7.7	6.0	4.9	5.1	7.3	4.4	3.5	3.0	2.7	.5
225	Knitting mills	5.6	6.5	4.4	5.5	6.3	4.9	4.0	3.5	1.6	.6
2251	Women's hosiery, except socks	5.1	5.2	4.6	4.6	5.4	4.5	4.7	3.6	.3	.4
2252	Hosiery, n e c	5.7	6.1	4.9	5.4	5.2	4.3	4.1	3.2	.4	.3
2254	Knit underwear mills	4.5	5.4	3.4	4.4	4.8	4.1	3.7	3.4	.6	.2
226	Textile finishing, except wool	4.9	5.6	3.8	5.0	4.8	4.4	3.1	3.0	.8	.6
227	Floor covering mills	7.7	7.1	6.8	6.0	5.9	4.9	4.2	3.4	(2)	.4
228	Yarn and thread mills	8.2	7.8	6.5	6.7	7.4	6.5	5.8	5.1	.7	.3
229	Miscellaneous textile goods	5.9	8.0	4.9	6.9	7.4	5.4	4.1	3.8	2.1	.4
	APPAREL AND OTHER TEXTILE PRODUCTS	6.8	6.2	4.3	4.4	7.6	5.6	3.4	3.0	3.2	1.7
231	Men's and boys' suits and coats	4.6	3.4	2.7	2.3	5.0	3.2	2.2	1.6	2.1	.9
232	Men's and boys' furnishings	6.7	6.6	5.3	5.2	6.6	5.5	4.8	3.8	1.0	.9
2321	Men's and boys' shirts and nightwear	6.2	6.8	4.9	5.2	5.8	5.4	4.1	3.6	1.0	1.1
2327	Men's and boys' separate trousers	6.4	4.5	5.2	3.7	6.8	4.3	5.3	3.2	.7	.3
2328	Men's and boys' work clothing	7.3	6.9	5.3	5.5	7.3	6.5	5.4	4.8	1.3	1.0
234	Women's and children's undergarments	7.0	6.0	4.9	4.8	6.9	5.0	3.9	3.3	2.0	.9
2341	Women's and children's underwear	7.4	6.5	5.3	5.4	6.8	5.2	4.0	3.6	1.8	.8
2342	Corsets and allied garments	6.0	4.9	4.0	3.7	7.0	4.7	3.7	2.7	2.4	1.1
	PAPER AND ALLIED PRODUCTS	4.3	6.9	3.8	6.0	4.0	3.9	2.4	2.5	.6	.4
26	Paper and pulp mills	2.7	5.4	2.1	4.5	2.0	2.0	1.1	1.2	.4	.2
261,2,6	Paperboard mills	2.7	5.3	2.4	4.5	2.9	3.0	1.7	1.8	.5	.2
263	Misc. converted paper products	5.5	7.5	4.9	6.7	4.6	4.5	2.9	3.0	.6	.5
264	Bags, except textile bags	6.3	7.5	5.5	6.7	5.6	5.8	3.4	3.7	.6	.8
2643	Paperboard containers and boxes	5.5	8.4	5.0	7.5	5.9	5.7	3.6	3.7	.9	.6
265	Folding and setup paperboard boxes	6.4	8.4	5.5	7.4	6.6	5.4	3.8	3.8	1.3	.4
2651,2	Corrugated and solid fiber boxes	5.2	8.6	4.9	8.1	5.1	5.6	3.7	3.8	.2	.4
2653											
	PRINTING AND PUBLISHING	3.8	5.5	3.3	4.8	3.3	3.5	2.2	2.4	.5	.1
	CHEMICALS AND ALLIED PRODUCTS	2.8	4.9	2.4	4.2	2.5	2.8	1.4	1.5	.5	.6
28	Industrial chemicals	1.8	3.9	1.5	3.3	1.5	1.9	.8	1.1	.1	.2
281	Plastics materials and synthetics	2.5	4.2	2.2	3.7	2.1	1.7	1.2	1.1	.3	.1
282	Plastics materials and resins	2.2	5.2	2.0	4.8	2.1	1.8	1.4	1.2	.1	.1
2821	Synthetic fibers	2.9	3.4	2.5	2.8	2.1	1.7	1.0	1.0	.5	.1
2823,4	Drugs	2.8	5.6	2.5	5.0	1.9	2.1	1.3	1.4	.2	.2
283	Pharmaceutical preparations	3.0	5.9	2.6	5.1	2.1	2.2	1.4	1.5	.2	.2
2834	Soap, cleaners, and toilet goods	4.8	7.4	4.1	5.9	3.7	3.7	2.1	2.2	.6	.4
284	Soap and other detergents	2.0	5.7	1.5	3.3	1.6	2.0	.9	.9	.3	.5
2841	Toilet preparations	6.3	9.1	5.7	7.6	4.6	5.1	2.7	3.1	.4	.5
2844	Paints and allied products	2.9	5.4	2.8	4.7	2.5	2.6	1.6	1.7	.3	.1
285	Other chemical products	3.3	5.5	2.8	4.6	3.8	4.0	1.9	2.1	.9	.9
286,9											
	PETROLEUM AND COAL PRODUCTS	2.8	5.3	2.6	4.6	2.1	2.2	1.2	1.2	.2	.3
29	Petroleum refining	1.9	4.3	1.7	3.6	1.3	1.5	.6	.7	.2	.2
291	Other petroleum and coal products	6.4	9.3	6.2	8.5	5.1	5.0	3.3	3.4	.5	.4
295,9											
	RUBBER AND PLASTICS PRODUCTS, N E C	6.4	7.6	5.0	6.6	6.5	5.3	3.4	3.4	1.8	.7
30	Tires and inner tubes	2.6	4.2	2.1	3.5	2.0	2.0	1.1	1.1	.2	.2
301	Other rubber products	5.5	6.6	3.6	5.6	6.5	4.6	2.7	3.0	2.6	.4
302,3,6	Miscellaneous plastics products	8.5	9.8	7.1	8.5	8.4	7.1	4.8	4.6	2.0	1.0
307											

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

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969	July 1969	June 1969
<i>Nondurable Goods--Continued</i>											
31	LEATHER AND LEATHER PRODUCTS	8.6	7.0	5.6	5.7	9.0	5.8	4.2	3.9	3.5	0.9
311	Leather tanning and finishing	5.8	7.1	4.3	6.2	5.9	5.2	3.4	3.3	1.5	1.0
314	Footwear, except rubber	8.3	6.2	5.0	5.0	8.6	5.4	4.2	3.7	3.1	.7
NONMANUFACTURING											
10	METAL MINING	3.5	6.9	3.3	6.2	2.9	2.6	2.1	1.8	.1	.1
101	Iron ores	2.6	6.3	2.2	5.6	1.6	1.7	.7	.8	(2)	(2)
102	Copper ores	2.9	6.1	2.6	4.9	2.4	2.1	1.8	1.3	.1	.1
11,12	COAL MINING	1.5	2.0	1.0	1.6	1.3	1.5	.7	.7	.1	.4
12	Bituminous coal and lignite mining	1.5	2.0	1.1	1.6	1.3	1.5	.7	.7	(2)	.3
COMMUNICATION:											
481	Telephone communication	(1)	5.6	-	-	(1)	2.4	(1)	1.9	(1)	.1
482	Telegraph communication ³	(1)	5.4	-	-	(1)	3.0	(1)	1.7	(1)	.7

¹Not available.

²Less than 0.05.

³Data relate to all employees except messengers.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED LABOR TURNOVER

D-3: Labor turnover rates in manufacturing, 1958 to date seasonally adjusted

(Per 100 employees)												
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1958.....	3.1	3.1	3.2	3.3	3.5	3.7	3.9	3.9	4.0	3.9	3.9	4.2
1959 ¹	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	5.2	5.0	5.1	5.1	4.7	5.1	5.0	4.9	4.8	4.6
1967.....	4.6	4.3	4.1	4.2	4.6	4.5	4.4	4.4	4.3	4.5	4.5	4.4
1968.....	4.5	4.5	4.1	4.7	4.6	4.5	4.7	4.6	4.7	4.8	4.6	4.7
1969.....	4.9	4.6	4.6	4.9	4.8	5.0	4.8					
New hires												
1958.....	1.4	1.4	1.3	1.5	1.5	1.6	1.8	1.8	2.0	2.0	2.1	2.2
1959.....	2.4	2.6	2.9	2.8	2.7	2.7	2.6	2.6	2.7	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	3.1	3.0	3.1	3.1	3.2	3.5	3.7
1966.....	3.7	3.8	4.3	3.9	4.0	4.0	3.7	3.8	3.7	3.8	3.7	3.5
1967.....	3.5	3.3	3.3	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.3
1968.....	3.5	3.3	3.4	3.5	3.5	3.3	3.5	3.5	3.6	3.6	3.5	3.7
1969.....	3.8	3.7	4.0	3.9	3.7	3.8	3.8					
Total separations												
1958.....	5.4	4.8	4.9	4.6	4.2	3.8	3.8	3.7	3.6	3.8	3.6	3.7
1959 ¹	3.7	3.6	3.6	3.8	3.8	3.9	4.0	4.1	4.2	5.0	4.6	4.1
1960.....	3.6	4.1	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.3	4.4	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	4.2	4.2	4.4
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	5.2	4.7	4.6	4.7	4.4	4.3	4.5	4.4	4.4	4.3
1968.....	4.5	4.7	4.6	4.5	4.7	4.5	4.6	4.9	4.6	4.6	4.5	4.2
1969.....	4.6	4.8	4.9	4.9	5.0	4.9	4.9					
Quits												
1958.....	1.1	1.1	1.0	.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3
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	1.9	2.0	2.0	2.1	2.2
1966.....	2.3	2.3	2.6	2.7	2.6	2.6	2.6	2.6	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	2.3	2.4
1968.....	2.4	2.4	2.4	2.3	2.5	2.3	2.4	2.6	2.4	2.6	2.6	2.5
1969.....	2.7	2.7	2.7	2.7	2.8	2.7	2.8					
Layoffs												
1958.....	3.4	3.3	3.4	3.3	3.0	2.4	2.5	2.3	2.1	2.1	1.9	1.9
1959.....	1.8	1.7	1.7	1.7	1.7	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	2.4	2.6	2.7	2.8
1961.....	2.7	3.0	2.5	2.1	2.2	2.3	2.2	2.0	2.2	1.8	1.9	2.0
1962.....	1.8	2.0	1.7	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	1.1	1.1	1.1	1.2	1.3
1967.....	1.3	1.5	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	1.3	1.1	1.3	1.1	1.2	1.2	1.2	1.2	1.1	1.1
1969.....	1.1	1.1	1.2	1.0	1.1	1.1	1.2					

¹Beginning with January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the labor turnover series.
Data for the current month are preliminary.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969
ALABAMA:										
Birmingham	4.5	3.6	3.7	2.9	2.8	3.2	1.4	1.6	0.6	0.6
Mobile ¹	10.7	6.8	6.9	4.2	6.1	6.9	3.3	2.3	2.1	3.6
ALASKA	46.6	40.7	39.6	25.2	13.7	13.4	6.4	7.8	5.8	4.8
ARIZONA	8.4	6.4	6.9	5.1	5.3	5.9	3.1	3.3	1.0	1.3
Phoenix	8.2	5.9	6.8	4.8	5.2	5.9	2.9	3.2	1.0	1.4
ARKANSAS	8.5	8.5	7.7	7.5	6.7	7.1	5.1	5.2	.7	.8
Fort Smith	7.9	11.0	7.5	10.3	8.8	8.0	5.8	7.0	2.1	.1
Little Rock-North Little Rock	7.7	8.9	7.3	7.7	5.5	6.8	4.4	5.0	.3	.5
Pine Bluff	7.0	5.4	6.5	4.7	4.0	5.6	3.0	3.5	.1	1.4
CALIFORNIA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Los Angeles-Long Beach	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
COLORADO	7.8	5.8	5.8	4.9	4.4	4.5	2.2	2.8	1.1	.7
Denver	7.1	5.4	5.9	4.8	4.9	4.5	3.0	2.9	.8	.6
CONNECTICUT	5.0	3.2	4.2	2.6	3.7	3.6	2.2	2.2	.5	.4
Hartford	3.6	2.6	2.9	2.0	3.2	3.1	1.8	1.8	.5	.3
DELAWARE ¹	5.8	3.2	4.7	2.3	2.9	2.9	1.7	1.5	.2	.4
Wilmington ¹	5.6	2.9	4.4	1.9	2.5	2.5	1.4	1.3	.4	.4
DISTRICT OF COLUMBIA:										
Washington SMSA	(*)	3.1	(*)	2.8	(*)	3.0	(*)	2.4	(*)	.1
FLORIDA	7.8	6.8	6.7	5.8	7.9	7.5	4.6	4.4	2.2	2.1
Fort Lauderdale-Hollywood	9.7	8.9	9.2	8.5	9.5	8.8	6.9	6.6	.3	.2
Jacksonville	7.9	6.8	7.2	6.4	6.4	6.7	4.3	5.3	.3	.2
Miami	7.6	6.2	7.0	5.8	6.8	6.5	3.9	3.7	2.1	1.6
Orlando	7.3	7.8	6.3	6.7	5.9	7.6	4.4	4.8	1.1	1.8
Pensacola	1.2	1.3	1.1	1.2	1.2	1.1	.7	.9	.3	(2)
Tampa-St. Petersburg	6.4	7.7	5.2	6.1	6.7	7.6	4.1	4.9	1.7	1.8
West Palm Beach	6.1	4.4	4.9	3.2	4.1	3.5	3.3	2.8	.2	.2
GEORGIA	7.6	5.8	6.3	4.9	5.5	5.9	4.0	4.1	.4	.7
Atlanta ³	8.0	6.4	7.0	5.5	5.5	5.9	3.9	4.0	.6	.7
HAWAII ⁴	5.5	3.1	4.7	2.5	2.5	2.7	1.5	1.5	.2	.2
IDAHO ⁵	10.9	11.6	8.6	7.6	5.9	7.5	4.1	5.1	.9	1.0
ILLINOIS:										
Chicago	(*)	4.8	(*)	4.1	(*)	4.7	(*)	2.9	(*)	.4
INDIANA ¹	5.8	4.0	4.9	3.3	3.7	4.1	2.1	2.4	.6	.6
Indianapolis ⁶	5.0	3.6	4.1	3.0	3.7	4.4	2.0	2.2	.2	.9
IOWA	7.0	4.3	5.2	3.4	4.2	4.8	2.5	2.6	1.1	1.5
Cedar Rapids	5.8	3.9	4.4	2.9	3.9	3.8	2.0	2.0	1.3	1.2
Des Moines	6.3	4.8	4.7	3.8	4.8	5.4	2.7	3.2	1.4	1.4
KANSAS	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Topeka	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Wichita	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
KENTUCKY	5.8	5.0	4.9	4.0	3.5	4.3	2.4	2.7	.5	.4
Louisville	6.0	4.6	4.4	3.2	4.3	4.1	2.2	2.1	.3	.2
LOUISIANA:										
New Orleans ⁷	6.2	4.5	4.3	3.3	5.2	4.7	2.2	1.8	1.6	1.5
MAINE	8.9	7.1	7.1	4.6	6.1	6.2	3.9	4.0	1.1	1.1
Portland	7.1	5.3	6.2	4.0	4.7	5.4	3.6	3.5	.3	.5
MARYLAND	5.2	3.5	4.2	2.7	3.4	3.4	1.9	2.0	.6	.6
Baltimore	5.4	3.3	4.4	2.7	3.4	3.4	2.0	2.0	.6	.6

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969
MASSACHUSETTS.....	6.5	4.2	5.5	3.4	4.1	4.0	2.7	2.6	0.5	0.5
Boston.....	6.0	4.1	5.1	3.4	3.9	3.8	2.6	2.5	.4	.4
MICHIGAN.....	(*)	4.4	(*)	2.9	(*)	4.6	(*)	1.7	(*)	1.8
Detroit.....	(*)	4.5	(*)	3.1	(*)	4.2	(*)	1.7	(*)	1.3
MINNESOTA.....	8.1	4.5	6.7	3.6	4.2	4.3	2.9	2.9	.5	.6
Duluth-Superior.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Minneapolis-St. Paul.....	7.7	4.3	6.7	3.5	4.4	4.1	3.1	2.9	.5	.3
MISSISSIPPI:										
Jackson.....	5.5	5.6	5.0	5.1	5.1	5.9	3.8	4.8	.3	.2
MISSOURI.....	6.3	4.6	5.1	3.7	4.3	4.6	2.5	2.7	.9	.9
Kansas City.....	7.0	5.0	5.3	4.4	4.8	4.9	2.5	2.9	1.4	1.0
St. Louis.....	5.7	3.8	4.7	3.1	4.0	3.9	2.0	2.0	1.0	.9
MONTANA ⁵	8.0	6.1	7.1	5.9	4.4	5.7	2.9	4.0	.7	.6
NEBRASKA.....	8.7	6.8	7.7	5.8	4.7	5.1	3.3	3.9	.5	.3
NEVADA.....	9.0	7.1	8.6	6.7	8.0	6.1	3.7	3.8	2.9	1.4
NEW HAMPSHIRE.....	6.7	5.3	5.8	4.4	5.1	5.4	3.9	4.3	.5	.4
NEW JERSEY:										
Jersey City.....	4.6	3.6	3.6	2.6	3.9	3.9	1.6	1.7	1.4	1.2
Newark.....	6.2	4.1	5.2	3.4	3.9	3.7	2.0	2.1	.9	.6
Paterson-Clifton-Passaic.....	6.2	4.9	4.9	3.5	4.3	4.6	2.5	2.5	.8	1.1
Perth Amboy.....	5.6	3.5	4.8	2.7	2.9	2.9	1.8	1.9	.4	.3
Trenton.....	5.7	3.6	4.8	2.9	3.3	3.5	1.8	1.9	.6	.6
NEW YORK.....	6.0	4.5	4.6	3.2	4.5	4.2	2.1	2.2	1.4	1.2
Albany-Schenectady-Troy.....	5.3	3.4	4.3	2.7	3.3	3.1	1.7	1.9	.6	.2
Binghamton.....	4.4	2.2	3.4	1.6	2.9	2.3	1.6	1.4	.5	.3
Buffalo.....	5.4	3.6	4.2	2.6	3.2	3.2	1.5	1.4	1.0	1.0
Elmira.....	4.5	3.6	4.1	2.7	3.5	3.7	1.8	2.0	.7	.6
Monroe County ⁸	4.7	2.5	4.1	2.1	2.6	2.7	1.5	1.5	.4	.4
Nassau and Suffolk Counties ⁹	6.2	3.9	5.0	3.4	4.5	4.5	2.7	2.9	.7	.7
New York SMSA.....	6.2	5.1	4.5	3.7	5.6	5.1	2.4	2.5	2.1	1.7
New York City ⁹	6.2	5.5	4.4	3.8	6.0	5.4	2.4	2.5	2.5	2.0
Rochester.....	5.2	2.7	4.4	2.2	2.8	2.9	1.6	1.7	.5	.5
Syracuse.....	6.0	3.6	4.7	2.9	3.5	3.3	1.7	2.0	.9	.4
Utica-Rome.....	4.8	2.5	3.8	2.0	3.4	3.2	1.9	2.0	.9	.8
Westchester County ⁹	5.7	4.0	4.4	3.2	4.4	4.3	1.9	2.0	1.4	1.3
NORTH CAROLINA.....	6.3	4.9	5.5	4.2	4.6	4.8	3.4	3.8	.3	.2
Charlotte.....	6.5	4.9	6.1	4.6	5.3	5.0	4.0	4.1	.5	.1
Greensboro-Winston-Salem-High Point.....	6.4	3.9	5.6	3.4	4.2	4.0	3.2	3.1	.2	.2
NORTH DAKOTA.....	7.6	5.8	5.8	4.7	5.0	4.5	3.0	3.5	.8	.5
Fargo-Moorhead.....	8.7	7.2	7.4	4.9	5.1	5.0	4.0	4.3	.1	.3
OHIO.....	5.9	3.8	4.8	3.0	4.0	3.7	2.0	2.0	1.1	.7
Akron.....	4.7	2.5	3.8	2.1	2.8	2.8	1.7	1.6	.4	.5
Canton.....	5.9	4.6	5.1	3.5	3.2	4.0	1.9	2.1	.4	.5
Cincinnati.....	6.2	4.0	4.9	3.4	3.9	3.7	2.2	2.3	.6	.4
Cleveland.....	5.7	3.4	4.9	2.8	3.8	3.5	2.0	2.1	.7	.6
Columbus.....	5.5	4.1	4.5	3.4	4.4	4.6	2.5	2.5	.9	.9
Dayton.....	5.3	3.3	4.2	2.6	3.3	3.3	1.7	1.7	.7	.7
Toledo.....	6.6	5.0	5.3	4.1	5.0	4.1	2.2	2.0	1.2	.7
Youngstown-Warren.....	7.5	4.0	5.3	2.5	6.4	3.6	1.7	1.4	3.7	1.1
OKLAHOMA:										
Oklahoma City.....	10.0	8.2	8.7	7.1	6.3	7.0	5.0	4.9	.6	.7
Tulsa.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
OREGON ¹	8.7	6.8	7.6	5.7	5.9	5.6	3.7	3.6	1.3	.9
Portland ¹	9.5	6.1	8.3	5.5	5.7	5.4	3.3	3.1	1.3	1.2

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969	June 1969	May 1969
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	5.4	3.5	4.6	2.6	3.4	3.2	1.8	1.8	0.7	0.4
Altoona	6.9	5.0	6.3	4.4	4.3	4.9	2.9	3.5	.9	.5
Erie	6.2	4.1	4.9	2.9	3.4	4.0	2.3	2.2	.1	.9
Harrisburg	5.0	3.2	4.1	2.5	2.9	2.7	2.2	1.8	.2	.5
Johnstown	3.8	4.5	2.9	2.3	3.1	3.2	1.4	1.2	1.1	1.4
Lancaster	6.5	3.8	5.6	3.0	3.6	3.6	2.6	2.6	.3	.3
Philadelphia	5.5	4.0	4.4	3.1	3.8	3.6	1.8	1.9	1.0	.7
Pittsburgh	3.9	2.9	3.0	2.0	2.1	2.1	.9	.9	.5	.4
Reading	5.6	3.2	4.8	2.6	3.3	3.4	2.4	2.3	.3	.6
Scranton	7.0	4.9	5.1	2.4	3.9	3.9	2.1	1.9	1.0	1.2
Wilkes-Barre-Hazleton	5.8	4.1	4.8	3.3	4.0	3.4	2.1	2.2	1.1	.6
York	6.6	4.4	6.0	3.9	3.7	4.9	3.0	3.3	.3	.8
RHODE ISLAND:										
Providence-Pawtucket-Warwick	7.4	5.7	6.1	4.7	5.3	5.4	3.6	3.7	.8	.9
	7.5	5.4	6.1	4.5	5.2	5.3	3.6	3.6	.7	.8
SOUTH CAROLINA:										
Greenville	5.8	6.2	5.3	5.5	5.0	5.9	3.9	4.7	.1	.1
SOUTH DAKOTA:										
Sioux Falls	8.4	6.4	6.2	4.2	4.3	7.4	2.6	3.1	1.2	1.4
	8.3	7.2	4.8	3.3	4.6	5.8	2.2	2.6	2.2	2.7
TENNESSEE:										
Memphis	6.5	7.6	5.9	6.7	5.8	7.0	3.6	4.0	.8	1.2
TEXAS:										
Dallas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH⁵:										
Salt Lake City ⁵	7.5	4.7	6.0	3.7	4.3	4.2	2.5	2.7	1.2	.7
	7.0	4.1	5.7	3.5	4.7	4.2	2.6	2.7	1.4	.3
VERMONT:										
Burlington	5.2	3.9	4.4	3.0	3.3	3.8	2.4	2.8	.2	.4
Springfield	5.2	2.5	4.6	1.8	2.3	2.7	1.8	1.8	.1	.3
	3.6	3.5	2.9	2.2	2.3	2.4	1.6	1.8	(2)	.2
VIRGINIA:										
Richmond	5.9	4.2	5.0	3.5	4.4	4.4	3.0	3.0	.5	.6
	4.9	3.4	4.5	2.7	3.5	4.0	2.0	2.4	.6	.8
WASHINGTON:										
Seattle-Everett ¹⁰	4.6	3.0	3.7	2.4	4.3	3.7	2.6	2.5	.8	.5
WEST VIRGINIA:										
Charleston	2.5	1.3	2.0	1.0	1.5	1.7	.6	.8	.6	.5
WISCONSIN:										
Milwaukee	7.6	4.2	6.5	3.3	3.9	4.4	2.3	2.5	.7	.9
	6.8	4.0	5.8	3.2	4.2	4.3	2.3	2.4	.9	.8
WYOMING⁵:										
	12.6	8.2	11.4	6.4	6.4	6.2	4.0	4.2	1.4	1.2

- 1 Excludes canning and preserving.
- 2 Less than 0.05.
- 3 Excludes agricultural chemicals and miscellaneous manufacturing.
- 4 Excludes canned fruits, vegetables, preserves, jams and jellies.
- 5 Excludes canning and preserving, and sugar.
- 6 Excludes canning and preserving, and newspapers.
- 7 Excludes printing and publishing.
- 8 Subarea of Rochester Standard Metropolitan Statistical Area.
- 9 Subarea of New York Standard Metropolitan Statistical Area.
- 10 Excludes canning and preserving, printing and publishing.

* Not available.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

UNEMPLOYMENT INSURANCE DATA

E-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	August 1969	July 1969	August 1968	Change to August 1969 from ¹		August 1969	July 1969	August 1968
				July 1969	August 1968			
TOTAL²	9 63.9	1 033.3	994.2	-69.4	-30.3	1.9	2.0	2.0
SEASONALLY ADJUSTED	1 076.9	1 113.8	1 108.8	-36.9	-32.0	2.1	2.2	2.2
Alabama.....	12.1	13.7	14.7	-1.6	-2.6	1.8	2.0	2.2
Alaska.....	1.7	1.9	1.3	-.1	-.5	3.7	4.0	2.9
Arizona.....	4.7	4.1	5.4	.7	-.7	1.4	1.2	1.8
Arkansas.....	7.3	8.0	6.2	-.6	1.1	1.9	2.1	1.7
California.....	1 618	1 542	1 495	7.6	12.3	3.2	3.1	3.1
Colorado.....	2.9	2.7	3.1	.2	-.2	.6	.6	.7
Connecticut.....	32.3	34.1	26.3	-1.7	6.0	3.4	3.5	2.8
Delaware.....	2.2	3.5	4.3	-1.3	-2.1	1.4	2.1	2.7
District of Columbia.....	3.8	3.8	4.2	--	-.4	1.1	1.1	1.2
Florida.....	24.4	23.9	25.3	.5	-.9	1.8	1.8	2.0
Georgia.....	13.2	10.4	13.9	2.8	-.7	1.3	1.0	1.4
Hawaii.....	3.4	3.2	3.1	.2	.2	1.5	1.5	1.5
Idaho.....	3.0	4.4	3.5	-1.4	-.5	2.1	3.1	2.5
Illinois.....	37.4	42.2	38.3	-4.8	-1.0	1.2	1.3	1.2
Indiana.....	12.8	13.1	14.5	-.3	-1.8	.9	1.0	1.1
Iowa.....	6.8	7.7	5.8	-.9	1.1	1.2	1.4	1.0
Kansas.....	6.2	7.4	7.5	-1.2	-1.3	1.4	1.7	1.8
Kentucky.....	9.8	10.4	11.6	-.6	-1.8	1.6	1.8	2.0
Louisiana.....	17.5	19.3	14.2	-1.8	3.3	2.4	2.7	2.0
Maine.....	6.6	9.5	4.2	-2.9	2.4	3.0	4.3	1.9
Maryland.....	10.6	13.6	13.9	-3.0	-3.4	1.2	1.5	1.6
Massachusetts.....	40.3	50.9	41.0	-10.6	-.7	2.4	3.0	2.4
Michigan.....	59.7	61.8	104.8	-2.0	45.1	2.5	2.6	4.5
Minnesota.....	9.2	6.8	8.6	1.5	-.4	.9	.7	1.0
Mississippi.....	4.9	5.6	4.8	-.7	--	1.3	1.5	1.4
Missouri.....	27.4	25.1	24.1	2.3	3.3	2.4	2.2	2.1
Montana.....	1.7	2.1	1.7	.4	--	1.4	1.7	1.4
Nebraska.....	2.1	2.2	2.5	-.1	-.4	.7	.8	.9
Nevada.....	2.8	2.9	3.5	-.1	-.7	2.1	2.1	2.7
New Hampshire.....	1.5	3.0	1.2	-1.4	.3	.8	1.5	.7
New Jersey.....	53.0	63.2	57.3	-10.2	-4.3	2.8	3.4	3.1
New Mexico.....	3.5	3.5	3.3	-.1	.2	2.0	2.0	1.9
New York.....	1 115.5	1 291	1 045.5	-17.6	7.0	2.0	2.3	1.9
North Carolina.....	13.5	18.9	12.5	-5.4	1.0	1.1	1.5	1.0
North Dakota.....	.7	.9	.7	-.2	--	.9	1.1	.8
Ohio.....	23.4	32.4	31.0	-9.0	-7.6	.8	1.1	1.1
Oklahoma.....	8.1	8.3	8.3	-.2	-.2	1.7	1.8	1.9
Oregon.....	12.3	13.4	9.3	-1.1	3.0	2.4	2.6	1.9
Pennsylvania.....	53.2	69.2	55.3	16.0	-2.0	1.6	2.1	1.7
Puerto Rico ³	39.6	25.0	39.0	14.6	.6	6.7	6.3	6.5
Rhode Island.....	9.4	8.8	8.9	.6	.5	3.4	3.2	3.3
South Carolina.....	9.0	9.5	8.2	-.5	.8	1.5	1.6	1.4
South Dakota.....	.8	.8	.9	--	-.1	.9	.9	1.0
Tennessee.....	17.1	16.9	14.7	.2	2.5	1.9	1.8	1.7
Texas.....	16.5	19.9	17.4	-3.3	-.9	.7	.8	.8
Utah.....	5.0	5.0	4.0	--	1.0	2.3	2.3	1.9
Vermont.....	1.4	1.7	1.2	-.3	.1	1.4	1.7	1.3
Virginia.....	6.4	5.9	5.3	.4	1.0	.7	.6	.6
Washington.....	28.2	22.8	20.9	5.4	7.3	3.5	2.8	2.7
West Virginia.....	6.7	8.8	8.1	-2.1	-1.4	1.9	2.5	2.3
Wisconsin.....	14.9	17.6	19.7	-2.6	-4.8	1.3	1.6	1.8
Wyoming.....	.5	.5	.4	--	--	.7	.7	.7

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

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

³Excludes insured unemployment under extended duration provisions of regular State laws.

UNEMPLOYMENT INSURANCE DATA

E-2: Insured unemployment¹ in 150 major labor areas²

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

State and area	Aug. 1969	July 1969	State and area	Aug. 1969	July 1969	State and area	Aug. 1969	July 1969	State and area	Aug. 1969	July 1969
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--continued		
Birmingham.....	2.5	2.5	Evansville.....	1.1	.9	Manchester.....	.3	.9	York.....	1.2	1.8
Mobile.....	1.7	1.5	Fr. Wayne.....	.6	.3						
			Gary-Hammond..	1.4	1.3	NEW JERSEY			PUERTO RICO*		
ARIZONA			Indianapolis....	2.0	1.9	Atlantic City....	1.2	1.5	Mayaguez.....	1.2	1.3
Phoenix.....	2.8	2.4	South Bend.....	1.3	1.0	Jersey City.....	8.3	10.2	Ponce.....	1.8	1.8
			Terre Haute.....	.5	.6	Newark.....	14.0	15.6	San Juan.....	4.4	4.6
ARKANSAS			IOWA			New Brunswick..	6.0	7.6			
Little Rock.....	.7	.7	Cedar Rapids....	.2	.3	Paterson.....	11.8	13.7			
			Des Moines.....	.8	.8	Trenton.....	1.7	1.9	RHODE ISLAND		
CALIFORNIA			KANSAS			NEW MEXICO			Providence.....	9.9	9.6
Anaheim-S. Ana-			Wichita.....	2.3	2.4	Albuquerque....	1.5	1.5			
Garden Grove..	10.5	8.7	KENTUCKY			NEW YORK			SOUTH CAROLINA		
Fresno.....	3.0	3.6	Louisville.....	2.7	3.0	Albany.....	2.6	2.9	Charleston.....	1.0	.9
Los Angeles....	74.0	66.5	LOUISIANA			Binghamton....	1.1	1.3	Greenville.....	1.1	1.2
Sacramento.....	6.0	7.5	Baton Rouge....	1.4	1.6	Buffalo.....	6.3	9.8			
San Bernardino..	10.1	7.6	New Orleans....	5.8	6.1	New York.....	85.0	96.6	TENNESSEE		
San Diego.....	8.1	7.5	Shreveport.....	1.0	1.1	Rochester.....	2.9	3.8	Chattanooga....	1.0	1.0
San Francisco...	25.8	25.1	MAINE			Syracuse.....	2.5	2.7	Knoxville.....	1.9	1.7
San Jose.....	6.7	6.4	Portland.....	.6	.6	Utica.....	2.7	2.4	Memphis.....	2.3	2.0
Stockton.....	2.0	3.7	MARYLAND			NORTH CAROLINA			Nashville.....	1.8	1.8
COLORADO			Baltimore.....	7.6	9.0	Asheville.....	.4	.4	TEXAS		
Denver.....	1.8	1.5	MASSACHUSETTS			Charlotte.....	1.1	1.0	Austin.....	.2	.2
CONNECTICUT			Boston.....	18.3	18.6	Durham.....	.6	.6	Beaumont.....	1.3	1.2
Bridgeport.....	5.7	4.7	Brockton.....	1.2	1.6	Greensboro--			Corpus Christi..	.6	.6
Hartford.....	7.6	4.8	Fall River.....	1.5	4.7	Winston-Salem..	1.4	2.0	Dallas.....	1.4	3.0
New Britain....	3.2	1.8	Lawrence.....	2.8	4.7	OHIO			El Paso.....	1.0	.9
New Haven.....	3.5	3.8	Lowell.....	1.5	2.1	Akron.....	1.5	2.1	Ft. Worth.....	.8	1.5
Stamford.....	1.1	.8	New Bedford....	2.0	4.5	Canton.....	.8	1.1	Houston.....	1.9	2.3
Waterbury.....	2.9	4.5	Springfield....	4.6	4.4	Cincinnati.....	3.5	2.5	San Antonio.....	1.4	1.7
DELAWARE			Worcester.....	2.1	2.2	Cleveland.....	3.4	5.6			
Wilmington.....	2.2	3.5	MICHIGAN			Columbus.....	1.6	1.4	UTAH		
DIST. OF COL.			Battle Creek....	.9	.7	Dayton.....	1.7	1.2	Salt Lake City..	3.0	3.1
Washington.....	5.8	5.6	Detroit.....	33.6	30.6	Hamilton.....	.7	1.0			
FLORIDA			Flint.....	3.0	8.9	Lorain.....	.6	2.4	VIRGINIA		
Jacksonville....	.7	.7	Grand Rapids...	5.3	4.8	Stuebenville...	.4	.4	Hampton.....	.5	.5
Miami.....	6.0	6.6	Kalamazoo.....	.8	1.0	Toledo.....	1.5	2.2	Norfolk.....	1.4	.8
Tampa.....	2.7	3.3	Lansing.....	2.8	1.1	Youngstown....	1.0	4.0	Richmond.....	.3	.4
GEORGIA			Muskegon.....	1.0	1.2	OKLAHOMA			Roanoke.....	.2	.2
Atlanta.....	6.6	2.3	Saginaw.....	.9	1.0	Oklahoma City..	1.5	1.4	WASHINGTON		
Augusta.....	.6	.6	MINNESOTA			Tulsa.....	1.4	1.5	Seattle.....	11.7	9.1
Columbus.....	.6	.6	Duluth.....	.8	** .8	OREGON			Spokane.....	1.8	1.6
Macon.....	.4	.4	Minneapolis....	4.1	2.2	Portland.....	4.6	4.5	Tacoma.....	3.0	2.3
Savannah.....	.4	.4	MISSISSIPPI			PENNSYLVANIA					
HAWAII			Jackson.....	.5	.5	Allentown.....	2.6	5.3	WEST VIRGINIA		
Honolulu.....	2.4	2.4	MISSOURI			Altoona.....	.8	.8	Charleston.....	.8	1.0
ILLINOIS			Kansas City....	7.2	7.7	Erie.....	.9	1.4	Huntington.....	1.2	1.3
Chicago.....	19.7	19.2	St. Louis.....	16.9	12.9	Harrisburg.....	1.3	1.1	Wheeling.....	.8	1.0
Davenport.....	2.7	1.8	NEBRASKA			Johnstown.....	1.4	1.9	WISCONSIN		
Peoria.....	1.3	1.4	Omaha.....	1.3	1.2	Lancaster.....	.7	.9	Kenosha.....	1.3	1.9
Rockford.....	1.1	3.0				Lancaster.....	.7	.9	Madison.....	.5	.4
						Philadelphia...	23.7	24.0	Milwaukee.....	5.8	5.0
						Pittsburgh.....	9.2	10.1	Racine.....	.8	1.3
						Reading.....	1.1	2.0			
						Scranton.....	2.3	4.3			
						Wilkes-Barre...	3.7	7.4			

¹Insured jobless under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs.

²For full name of labor area, see Area Trends in Employment and Unemployment published by the Bureau of Employment Security.

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

**Revised.

Technical Note

Additional information concerning the preparation of the labor force, employment, hours and earnings, 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.

INTRODUCTION

The statistics in this periodical are compiled from three major sources: (1) household interviews, (2) payroll 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 payroll records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The payroll survey provides detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The figures are based on payroll reports from a sample of establishments employing about 25 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.

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 payroll series

The household and payroll 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 non-agricultural 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.

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 31 States. In general, these are establishments with less than four employees.

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 Re-

port 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.

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. The detailed questions for persons not in the labor force are asked only in those households that are new entrants to the sample and in those that are reentering the sample after 8 months' absence.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Per-

sons 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.

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 non-economic reasons but 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 ac-

ording 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.

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 non-white) 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 migra-

tion 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 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

Table A. Average standard error of major employment status categories

(In thousands)

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

Table B. Standard error of level of monthly estimates

(In thousands)

Size of estimate	Both sexes		Male		Female	
	Total or white	Non-white	Total or white	Non-white	Total or white	Non-white
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	...	...	...	...	...

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 . . .	.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, 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 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 non-

agricultural 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 was revised in January 1969 to provide for the collection of job openings data as well.

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, 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, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairmen, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aids, teachers, draftsmen, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, linemen, laborers, janitors, watchmen, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

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

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

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

premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Gross Average Hourly and Weekly Earnings

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

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

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek, 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 non-supervisory 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. The level of earnings is thus adjusted for changes in purchasing power since the base period (1957-59).

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 $1\frac{1}{2}$ 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 1957-59 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 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.

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 the table, Summary of Methods for Computing Industry Statistics on Employment, Hours, Earnings, and Labor Turnover. Further details are given in the technical notes on *Measurement of Employment, Hours, and Earnings in Non-agricultural Industries* and on *Measurement of Labor Turnover*, 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 produc-

tion- or nonsupervisory-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 1968 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 follows:

Nonagricultural payroll employment estimates,
by industry division, as a percentage of the
benchmark for 1966-1968

Industry division	1966	1967	1968
Total	99.9	100.0	100.4
Mining	100.5	99.5	101.7
Contract construction	99.7	101.6	99.5
Manufacturing	99.4	99.5	99.8
Transportation and public utilities	99.7	99.8	100.7
Wholesale and retail trade	100.1	100.7	100.3
Finance, insurance, and real estate	99.5	100.2	99.2
Services	100.3	99.8	99.2
Government	100.0	100.0	102.8

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 service 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 labor turnover statistics programs, with their emphasis on pro-

ducing 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. The table that follows 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.

Approximate size and coverage of BLS employment and payrolls sample, March 1968¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Mining	2,200	274,000	47
Contract construction	16,200	772,000	26
Manufacturing	46,100	12,422,000	64
Transportation and public utilities:			
Railroad transportation (ICC)	100	636,000	96
Other transportation and public utilities	7,100	2,042,000	57
Wholesale and retail trade . .	39,700	2,815,000	21
Finance, insurance and real estate	9,400	1,239,000	37
Services	22,400	2,227,000	21
Government:			
Federal (Civil Service Commission) ²	3,200	2,699,000	100
State and local	9,400	4,907,000	54

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

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

The table below shows the approximate coverage, in terms of employment, of the labor turnover sample.

Approximate size and coverage of BLS labor turnover sample, March 1968

Industry	Employees	
	Number reported	Percent of total
Manufacturing	11,060,000	57
Metal mining	49,100	74
Coal mining	59,800	44
Communication:		
Telephone	632,400	78
Telegraph	22,400	69

Reliability of the Employment Estimates

The estimates derived from the establishment 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. The relatively large size of the BLS establishment sample assures a high degree of accuracy. However, since the link relative technique requires the use of the previous month's estimate as the base in computing the current month's estimate, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are adjusted annually to new benchmarks. In addition to the 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. (A detailed description of the March 1968 benchmark is available from the Bureau upon request.)

One measure of the reliability of ratio estimates is the root mean square error (RMSE). This measure is the standard deviation adjusted for the bias in ratio estimates ($RMSE = \sqrt{(Standard\ Deviation)^2 + (Bias)^2}$). If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root mean square error. The chances are about 19 out of 20 that the difference would be less than twice the root mean square error.

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

Root-mean-square errors of differences between benchmarks and estimates	
Size of employment estimate	Root-mean-square error ¹
50,000	2,000
100,000	2,600
200,000	3,600
500,000	7,000
1,000,000	11,600
2,000,000	18,400

¹ Assuming 12-month intervals between benchmark revisions.

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

Errors of preliminary employment estimates

Size of empl. estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	600
100,000	900	900
200,000	1,700	1,700
500,000	3,000	2,800
1,000,000	4,300	4,000
2,000,000	8,000	8,000
10,000,000	29,600	27,600
Total Nonag. empl.	84,000	74,000

revision 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 or 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, 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, 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). 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.

SEASONAL ADJUSTMENT

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 1957-59 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 1957-59 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. Factors currently in use for the establishment data are shown in the July 1969 *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 1968 are published in the February 1969 *Employment and Earnings and Monthly Report on the Labor Force*. Revisions will be made annually as each additional year's data become available.

ATTENTION

As discussed in the Technical Note, the Bureau periodically adjusts the industry employment series to a recent benchmark to improve their accuracy. These adjustments may also affect the hours and earnings series because employment levels are used as weights. Industry data for all national series shown in this report have been adjusted to March 1968 benchmarks. Data from April 1968 forward are subject to revision at the time of the next benchmark.

Beginning with the July 1969 and subsequent issues of *Employment and Earnings*, the national data in sections B, C, and D supersede those published in previous issues, as well as those appearing in the *Handbook of Labor Statistics, 1969*. Comparable data will be published in *Employment and Earnings, United States, 1909-69*, BLS Bulletin 1312-7.

**Summary of Methods for Computing Industry Statistics
on Employment, Hours, Earnings, and Labor Turnover**

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

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Bureau of Labor Statistics

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Employment and Labor Turnover Statistics Programs

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Region

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X	ALASKA	- Employment Security Division, Department of Labor, Juneau 99801
IX	ARIZONA	- Unemployment Security Commission, Phoenix 85005
VI	ARKANSAS	- Employment Security Division, Department of Labor, Little Rock 72203
IX	CALIFORNIA	- Division of Labor Statistics and Research, Department of Industrial Relations, Human Relations Agency, San Francisco 94101 (Employment). Research and Statistics, Department of Employment, Sacramento 95814 (Turnover).
VIII	COLORADO	- Department of Employment, Denver 80203
I	CONNECTICUT	- Employment Security Division, Connecticut Labor Department, Hartford 06115
III	DELAWARE	- Employment Security Commission, Wilmington 19801
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 30303
IX	HAWAII	- Department of Labor and Industrial Relations, Honolulu 96811
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V	ILLINOIS	- Division of Research and Statistics, Department of Labor, Chicago 60606
V	INDIANA	- Employment Security Division, Indianapolis 46204
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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 Security, 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
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VII	MISSOURI	- Division of Employment Security, Jefferson City 65102
VIII	MONTANA	- Unemployment Compensation 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 (Employment). Division of Employment Security, Trenton 08625 (Turnover).
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
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VI	TEXAS	- Employment Commission, Austin 78701
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