

EMPLOYMENT AND EARNINGS

VOL. 16 NO. 5 NOVEMBER 1969

Joseph M. Finerty, Editor

John E. Bregger, Associate Editor

CONTENTS

	Page
Employment and unemployment developments, October 1969	2
Charts	4
Monthly statistical tables	13
Technical note	107

Employment and Unemployment Developments, October 1969

Employment increased moderately in October, while unemployment remained virtually unchanged. The unemployment rate, at 3.9 percent in October, was virtually unchanged over the month.

Nonfarm payroll employment rose by 190,000 in October to a new high of 70.7 million (seasonally adjusted). Overtime hours in manufacturing moved down for the second straight month.

Industry Payroll Employment

Nearly all of the 190,000 gain in nonfarm payroll employment occurred in services (100,000) and trade (80,000). There were also employment increases in State and local government (30,000), and finance, insurance, and real estate (10,000). Small declines were reported in manufacturing, contract construction, and transportation and public utilities.

Since June, the average monthly gain in payroll employment has slowed down. Employment increases have averaged 93,000 per month in the June-October period in contrast to an average monthly gain of 234,000 during the October 1968-June 1969 period. (See table, Nonagricultural payroll employment, seasonally adjusted.) The slowdown in employment growth since June has occurred in all major industry divisions except services.

Unemployment Developments

There were 2.8 million unemployed persons in October, about 125,000 fewer than in September. After seasonal adjustment, unemployment was unchanged, following a sharp increase in September.

Over the year, unemployment was up by 325,000, with the increase about equally distri-

Nonagricultural payroll employment,
seasonally adjusted

Industry	October 1969	Average monthly change	
		June 1969 to October 1969	October 1968 to June 1969
(In thousands)			
Total -----	70,673	93	234
Mining -----	633	3	6
Contract construction-----	3,406	-15	20
Manufacturing-----	20,190	-2	45
Durable goods -----	11,953	6	35
Nondurable goods -----	8,237	-8	10
Transportation and public utilities -----	4,476	2	16
Wholesale and retail trade ---	14,811	37	50
Finance, insurance, and real estate -----	3,601	11	16
Services-----	11,251	46	43
Government-----	12,305	12	39
Federal -----	2,741	-12	10
State and local -----	9,564	24	29

buted among adult men, adult women, and teenagers. Nearly nine-tenths of this advance took place among new entrants and reentrants to the labor force. Half of the total increase occurred among part-time workers.

The unemployment rate, at 3.9 percent in October, was essentially unchanged over the month after rising from 3.5 percent in August to 4.0 percent in September. The jobless rate has moved up from the post-Korean low of 3.3 percent in the December 1968-February 1969 period.

For most major groups of workers in the labor force, unemployment rates remained at their September levels. Jobless rates for adult men (2.4 percent), married men (1.7 percent), adult women (4.2 percent), and teenagers (13.0 percent) were virtually unchanged over the month. However, the October rates for these workers were well above the post-Korean lows registered this past winter.

The unemployment rate for full-time workers edged down marginally to 3.2 percent in October, while the part-time worker rate was unchanged at 6.9 percent.

For both Negro and white workers, jobless rates showed no change over the month. The Negro rate was 6.9 percent in October and the white rate, 3.5 percent. For white workers, the unemployment rate in September and October was the highest in 2 years. All of the increased joblessness since last October has taken place among whites.

The unemployment rate for workers covered by State unemployment insurance programs was unchanged at 2.2 percent in October. The rate was up slightly from the record low reached earlier this year.

Workweek

The seasonally adjusted workweek for rank-and-file workers on private nonagricultural payrolls declined from 37.8 hours in September to 37.5 hours in October, following 7 consecutive months at the previous level. With the exception of finance, insurance, and real estate, every major industry showed a decline in average weekly hours.

In manufacturing, the average workweek fell by 0.3 hour to 40.5 hours (seasonally adjusted) in October, its lowest point since February. The decline was widespread among the individual manufacturing industries and was particularly sharp in the durable goods sector.

Overtime hours in manufacturing declined by 0.2 hour to 3.4 hours in October (seasonally adjusted). This was the second straight month that factory overtime hours had dropped. With the exception of April 1968, when hours were affected by unusual noneconomic circumstances, overtime in manufacturing was at its lowest level in nearly 2 years. Overtime was down over the month in both durable and nondurable goods.

Earnings

Average hourly earnings for production and nonsupervisory workers on private payrolls rose by 1 cent in October to \$3.11. Over the year, hourly earnings were up 20 cents (6.9 percent).

Average weekly earnings fell by 86 cents in October to \$116.94, due to the decline in average weekly hours. The only major industry group to show a gain in weekly earnings was finance, insurance, and real estate (up by \$1.32). Compared to a year ago, average weekly earnings for all rank-and-file workers were up by \$6.65 (6.0 percent).

Labor Force and Total Employment

The civilian labor force rose about in line with normal September-October patterns. The labor force totaled 81.5 million on a seasonally adjusted basis.

Total nonagricultural employment—including self-employed, unpaid family, and private household workers—increased by 325,000 in October to a new high of 75.0 million (seasonally adjusted). Agricultural employment declined to a new low of 3.3 million (seasonally adjusted) in October and was down 200,000 over the year.

Chart 1.

LABOR FORCE AND EMPLOYMENT

1957 to date
(Seasonally adjusted)

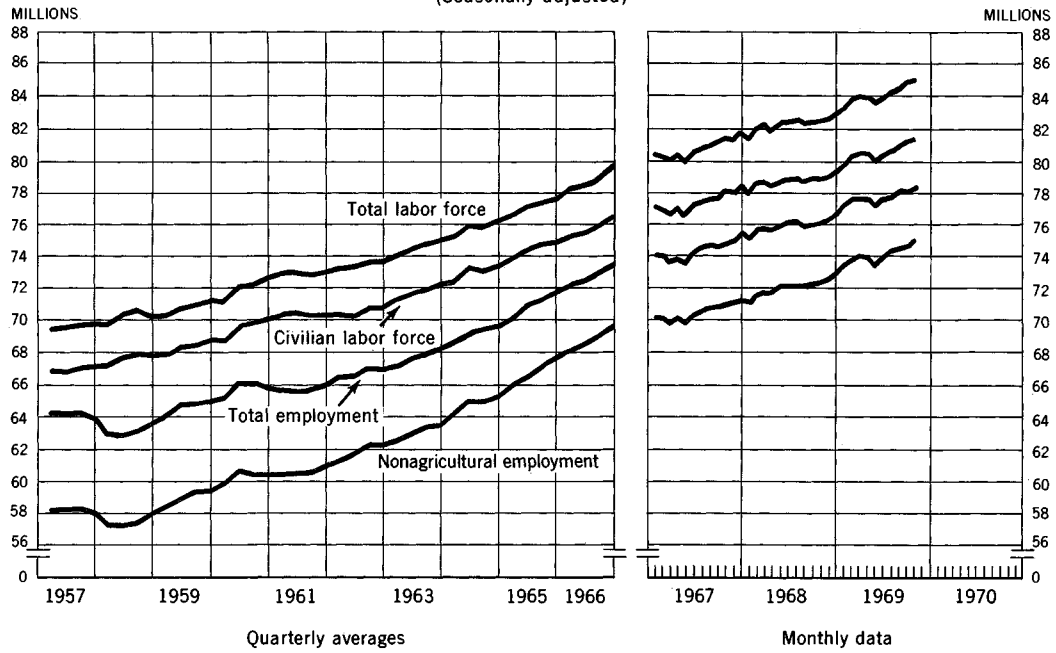
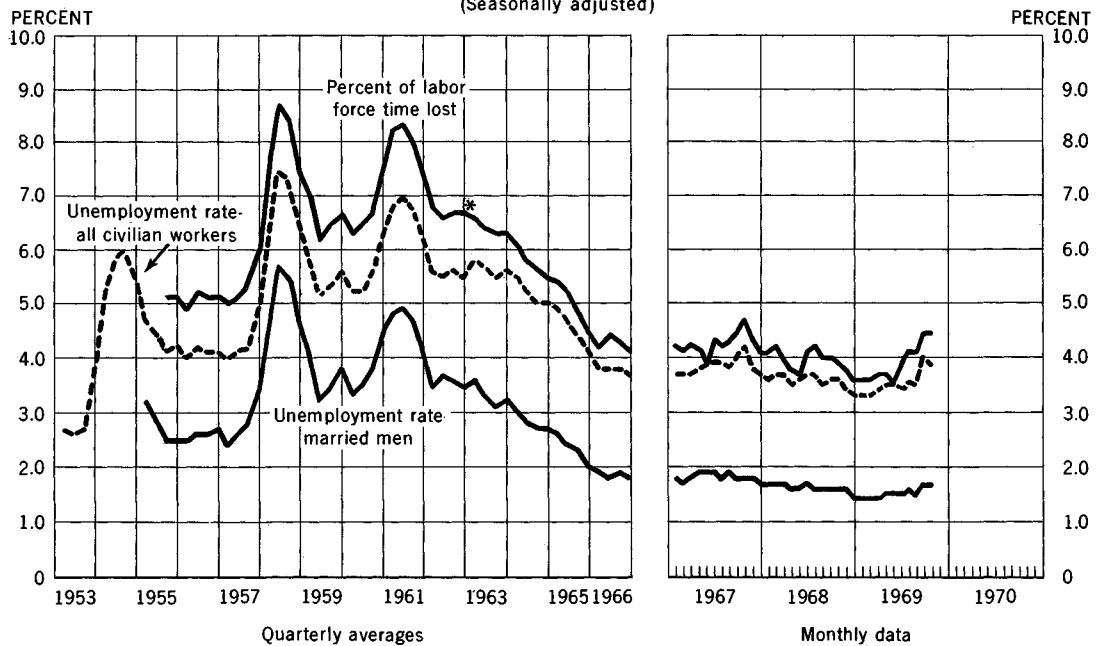


Chart 2.

MAJOR UNEMPLOYMENT INDICATORS

1953 to date
(Seasonally adjusted)

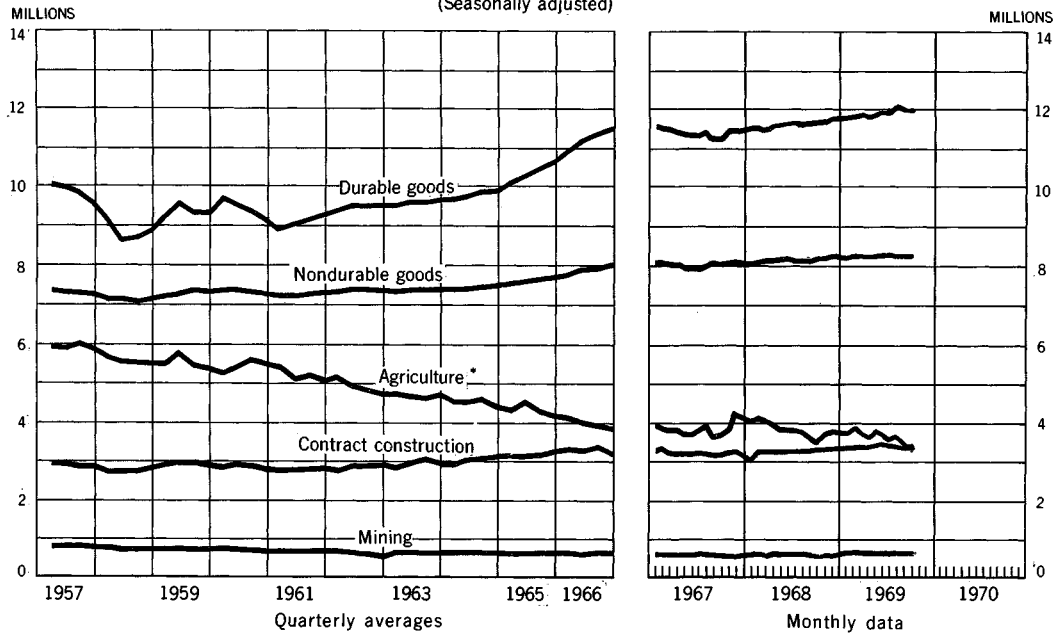


* Series revised beginning 1963 to reflect whether unemployed persons sought full- or part-time jobs.

Chart 3.

PAYROLL EMPLOYMENT IN GOODS-PRODUCING INDUSTRIES

1957 to date
(Seasonally adjusted)

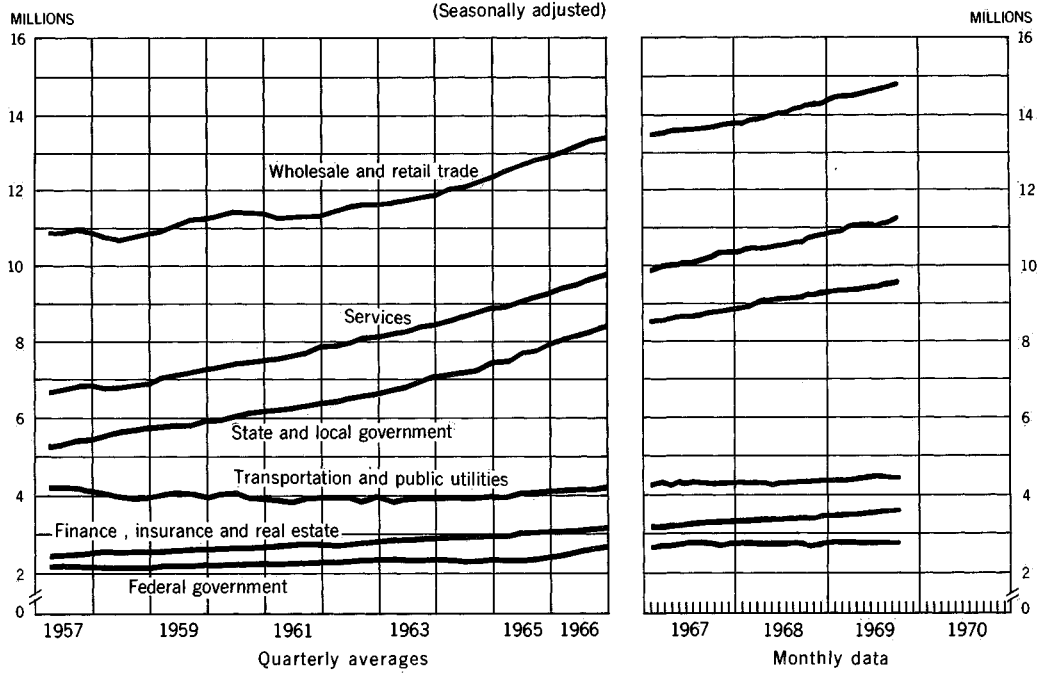


*Includes self-employed and unpaid family workers.
Note: Data for 2 most recent months are preliminary.

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)

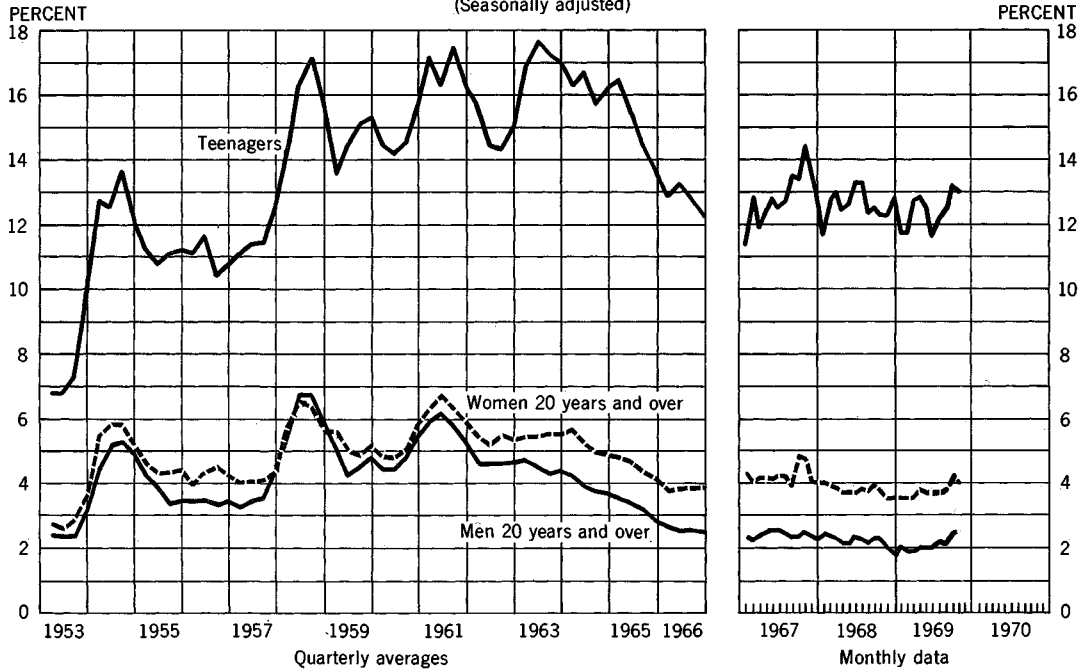


Chart 6.

TOTAL UNEMPLOYMENT BY DURATION

1953 to date
(Seasonally adjusted)

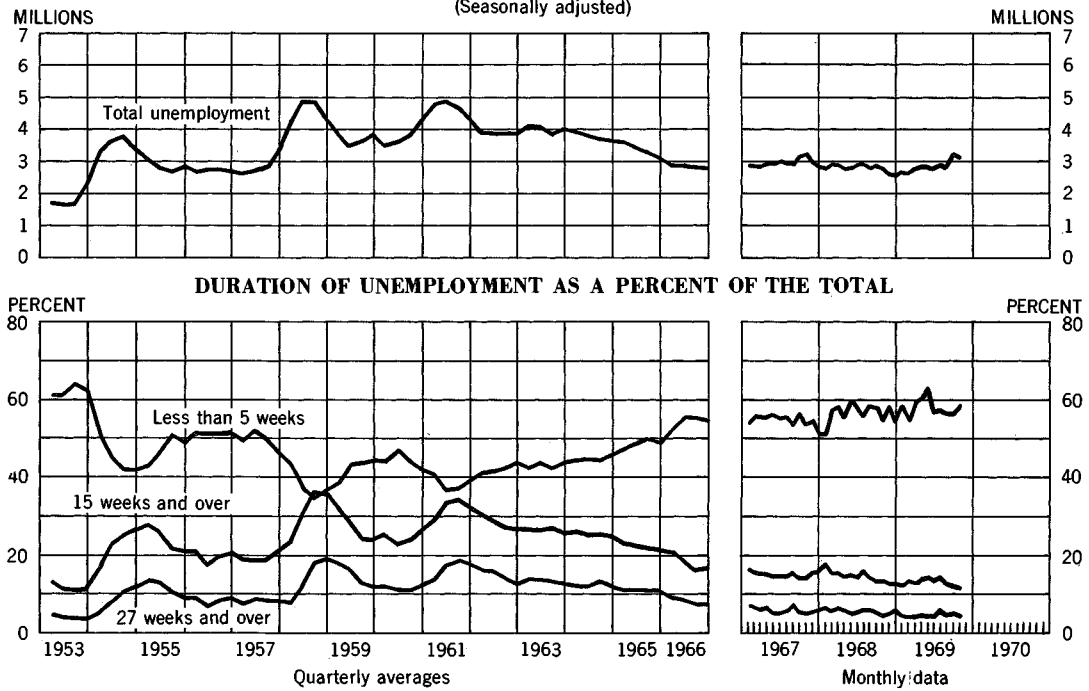
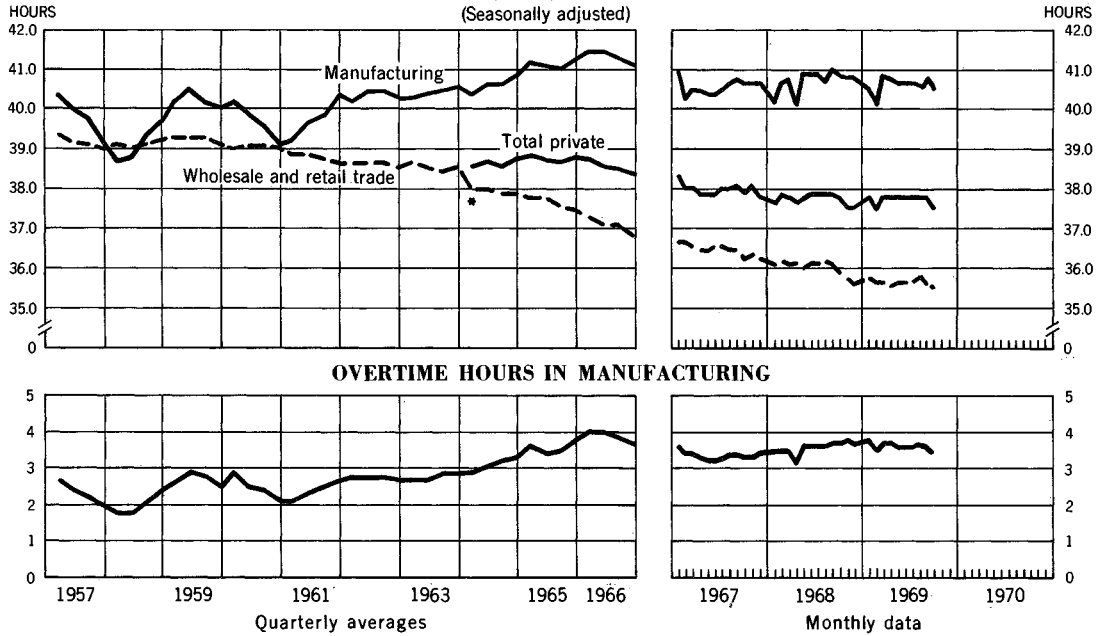


Chart 7.

HOURS OF WORK IN TOTAL PRIVATE NONAGRICULTURAL ESTABLISHMENTS, MANUFACTURING, AND TRADE

1957 to date
(Seasonally adjusted)

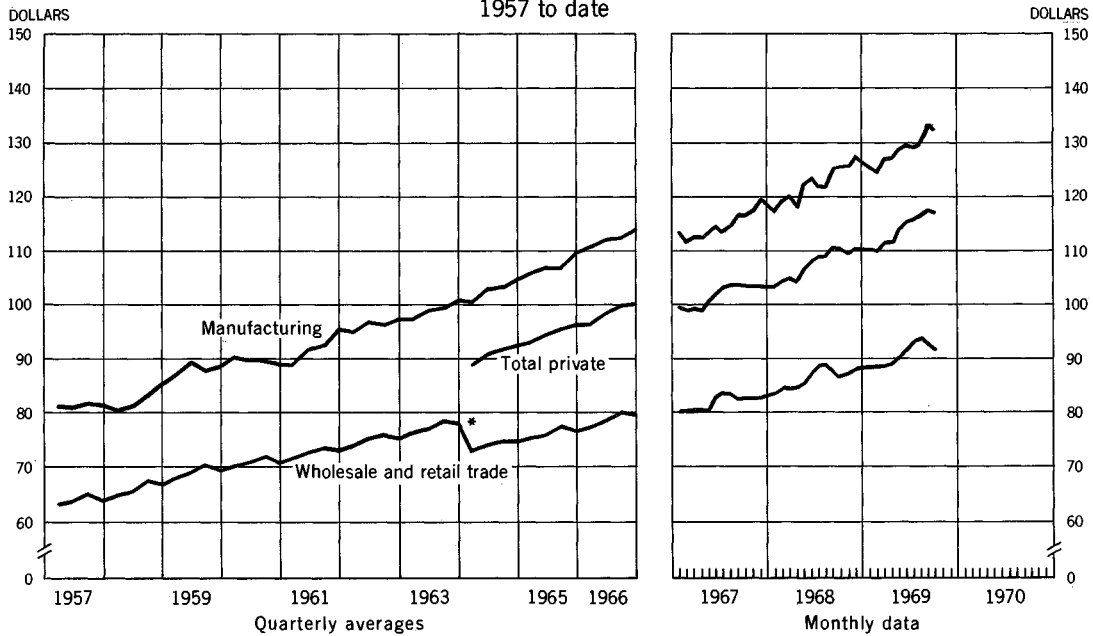


*Includes eating and drinking establishments, not previously available.
Note: Data for 2 most recent months are preliminary.

Chart 8.

AVERAGE WEEKLY EARNINGS IN TOTAL PRIVATE NONAGRICULTURAL ESTABLISHMENTS, MANUFACTURING, AND TRADE

1957 to date

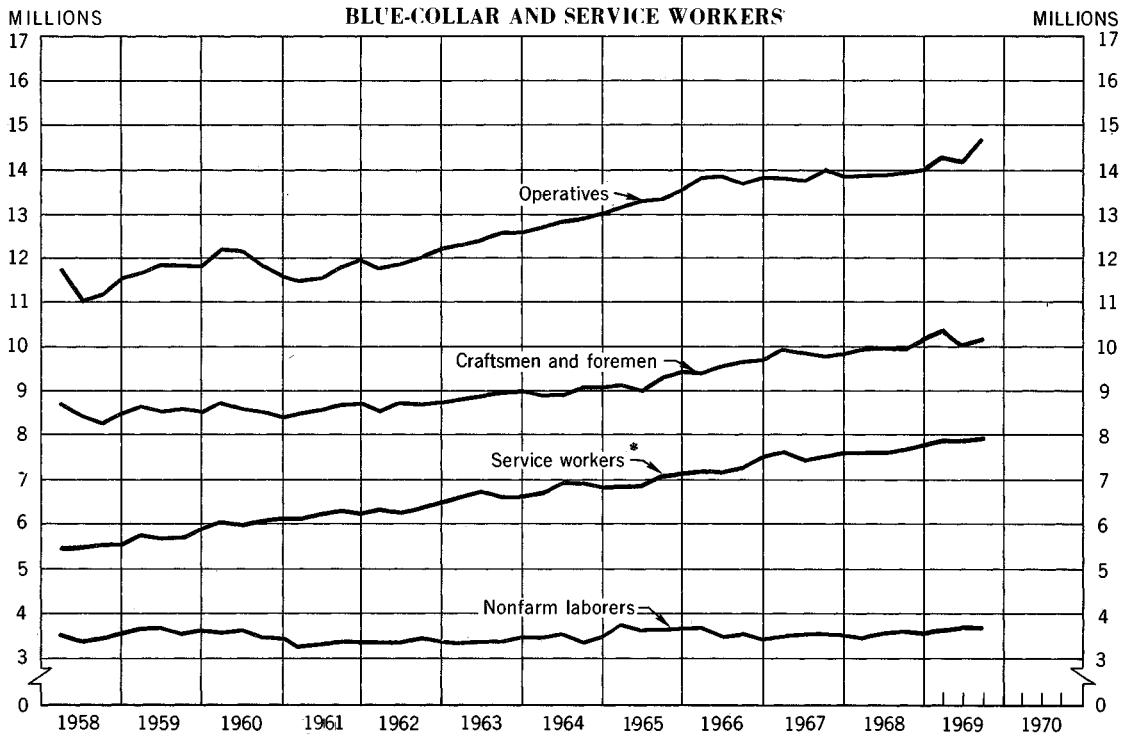
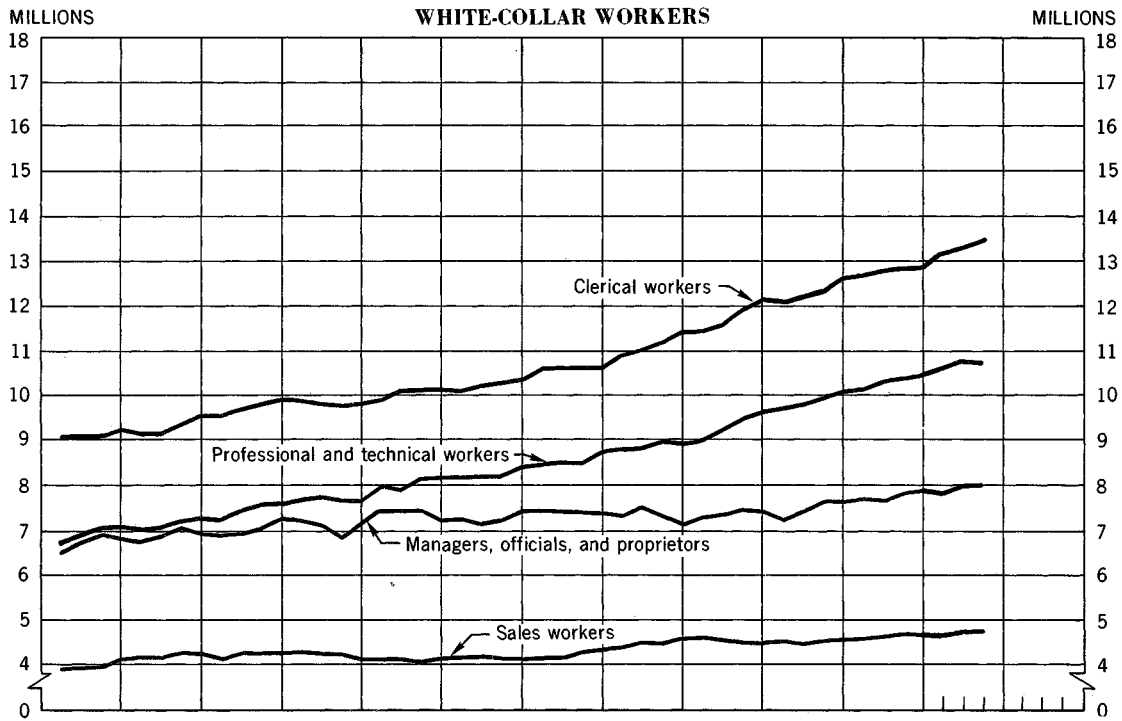


*Includes eating and drinking establishments, not previously available.
Note: Data for 2 most recent months are preliminary.

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)

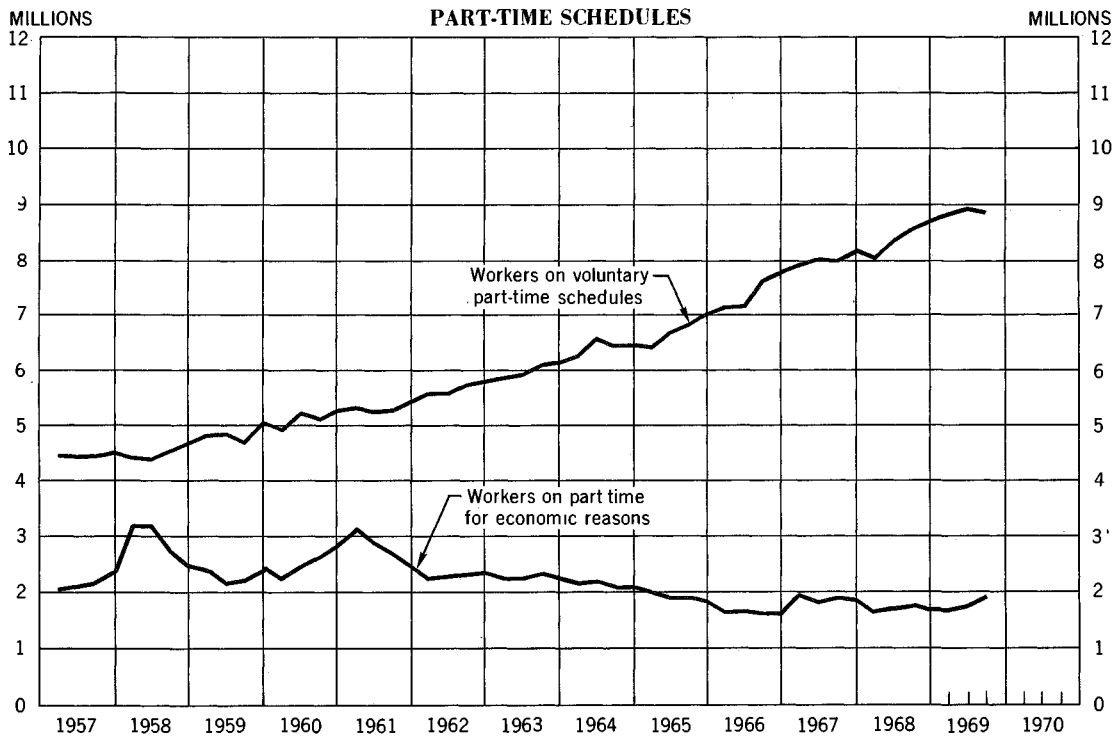
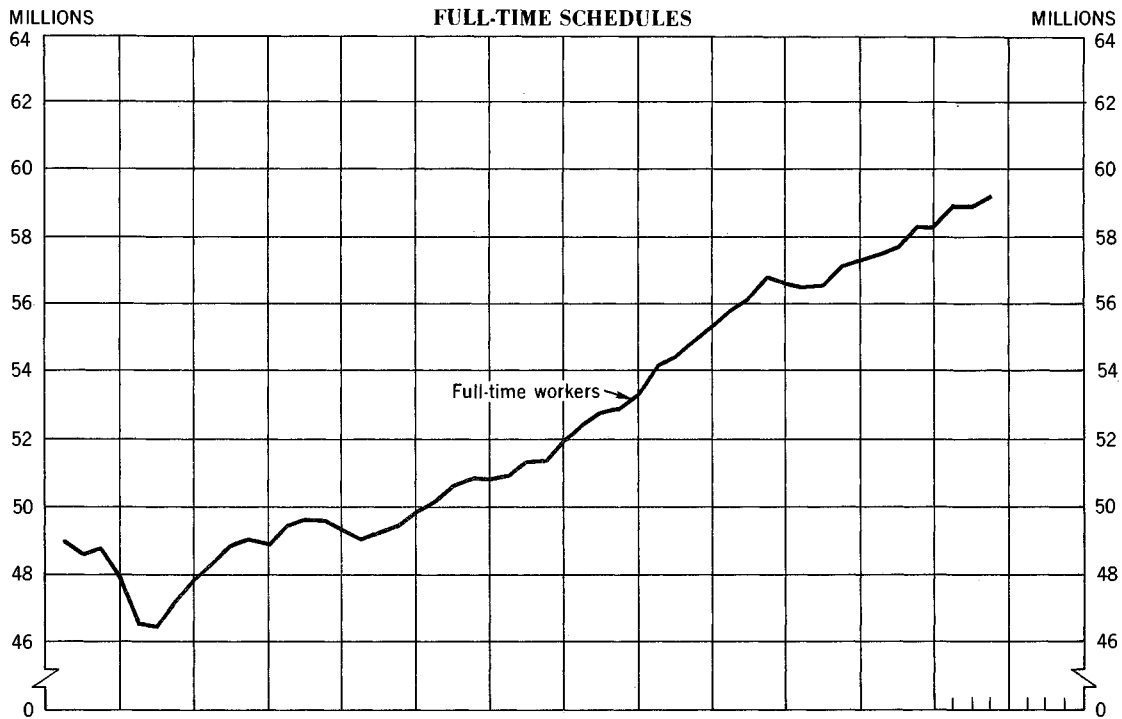


Chart 11.

UNEMPLOYMENT RATES BY OCCUPATION

1958 to date

(Seasonally adjusted quarterly averages)

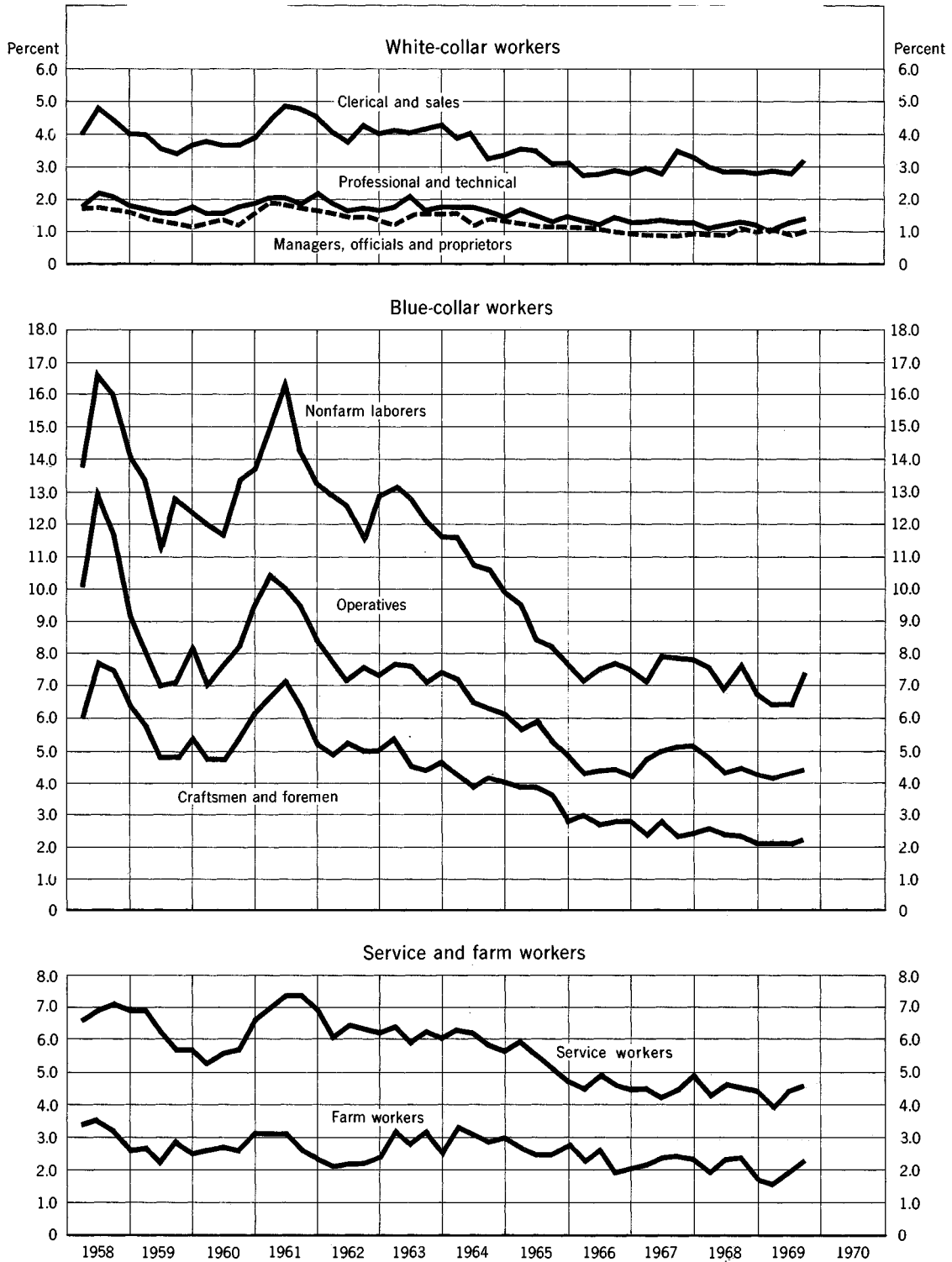


Chart 12.

UNEMPLOYMENT RATES BY COLOR

1957 to date

(Seasonally adjusted quarterly averages)

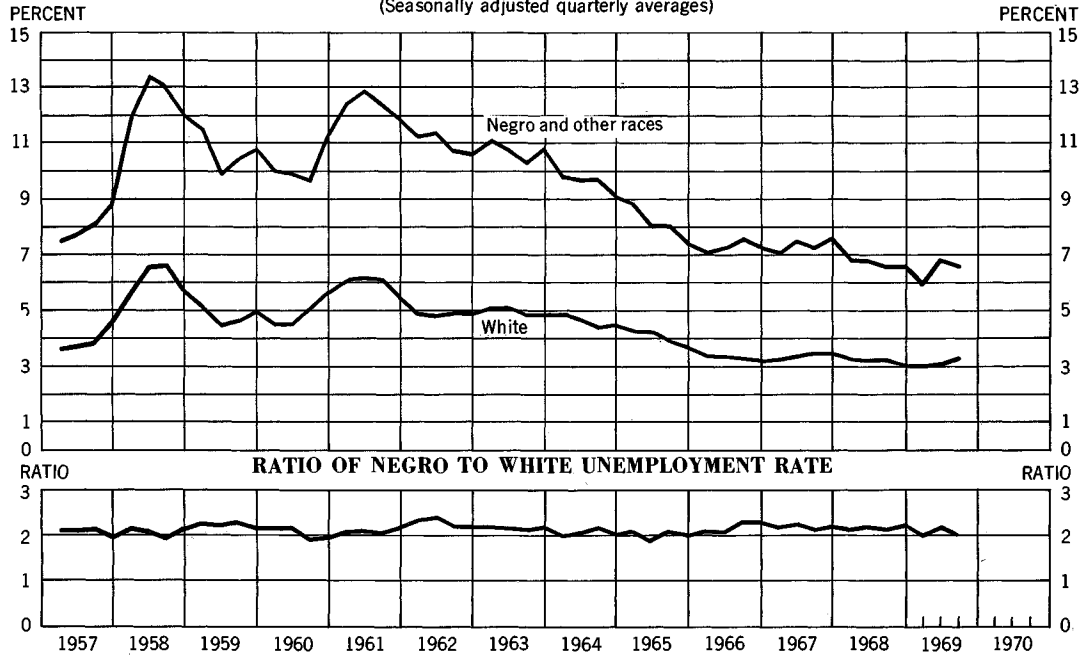
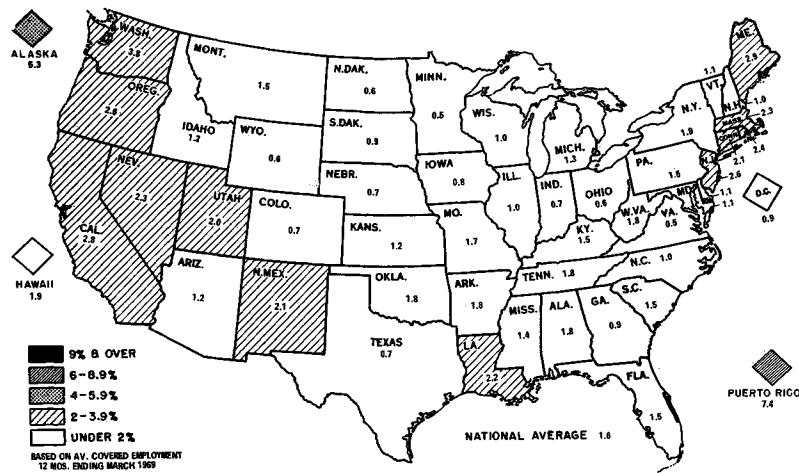


Chart 13.

STATE INSURED UNEMPLOYMENT RATES

Week ending October 18, 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

MONTHLY TABLES

HOUSEHOLD DATA

	Page
Employment Status	
A- 1: Employment status of the noninstitutional population, 1929 to date	15
A- 2: Employment status of the noninstitutional population 16 years and over by sex, 1947 to date	16
A- 3: Employment status of the noninstitutional population by sex, age, and color	17
A- 4: Labor force by sex, age, and color	19
A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex	21
A- 6: Employment status of the noninstitutional population 16 years and over by sex, age, and color	21
A- 7: Full- and part-time status of the civilian labor force by age and sex	22
Characteristics of the Unemployed	
A- 8: Unemployed persons by sex and age	23
A- 9: Unemployed persons by marital status, sex, age, and color	23
A-10: Unemployed persons by occupation of last job and sex	24
A-11: Unemployed persons by industry of last job and sex	24
A-12: Unemployed persons by reason for unemployment, sex, age, and color	25
A-13: Unemployed persons by reason for unemployment, duration, sex, and age	25
A-14: Unemployed persons by duration of unemployment	26
A-15: Unemployed persons by duration, sex, age, color, and marital status	26
A-16: Unemployed persons by duration, occupation, and industry of last job	27
Characteristics of the Employed	
A-17: Employed persons by sex and age	27
A-18: Employed persons by occupation group, sex and age	28
A-19: Employed persons by major occupation group, color, and sex	29
A-20: Employed persons by class of worker, age, and sex	30
A-21: Employed persons with a job but not at work by reason, pay status, and sex	31
A-22: Persons at work by type of industry and hours of work	31
A-23: Persons at work 1-34 hours by usual status and reason working part-time	32
A-24: Nonagricultural workers by industry and full- or part-time status	32
A-25: Persons at work in nonagricultural industries by full- or part-time status, sex, age, color, and marital status	33
A-26: Persons at work in nonfarm occupations by full- or part-time status and sex	35
Characteristics of 14 and 15 Year-olds	
A-27: Employment status of 14-15 year-olds by sex and color	37
A-28: Employed 14-15 year-olds by sex, class of worker, and major occupation group	37
Seasonally Adjusted Employment and Unemployment Data	
A-29: Employment status of the noninstitutional population by age and sex, seasonally adjusted	38
A-30: Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted	38
A-31: Employment status by color, sex, and age, seasonally adjusted	39
A-32: Major unemployment indicators, seasonally adjusted	40
A-33: Unemployed persons by duration of unemployment, seasonally adjusted	41
A-34: Rates of unemployment by age and sex, seasonally adjusted	41
A-35: Employed persons by age and sex, seasonally adjusted	42
A-36: Employed persons by major occupation group, seasonally adjusted	42

ESTABLISHMENT DATA

	Page
Employment—National	
B-1: Employees on nonagricultural payrolls, by industry division, 1919 to date	43
B-2: Employees on nonagricultural payrolls, by industry	44
B-3: Women employees on nonagricultural payrolls, by industry ¹	52
B-4: Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted	59
B-5: Employees on nonagricultural payrolls, by industry, seasonally adjusted	60
B-6: Production workers in industrial and construction activities, seasonally adjusted	61
Employment—State and Area	
B-7: Employees on nonagricultural payrolls for States and selected areas, by industry division	62
Hours and Earnings—National	
C-1: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, 1947 to date	73
C-2: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, by industry	74
C-3: Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government	86
C-4: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry	86
C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and 1957-59 dollars	87
C-6: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities	87
C-7: Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	88
C-8: Indexes of aggregate weekly man-hours in industrial and construction activities, seasonally adjusted	89
C-9: Output per man-hour, hourly compensation, and unit labor costs, private economy, seasonally adjusted	90
Hours and Earnings—State and Area	
C-10: Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas	91
Labor Turnover—National	
D-1: Labor turnover rates in manufacturing, 1958 to date	95
D-2: Labor turnover rates, by industry	96
D-3: Labor turnover rates in manufacturing, 1958 to date, seasonally adjusted	101
Labor Turnover—State and Area	
D-4: Labor turnover rates in manufacturing for selected States and areas	102

UNEMPLOYMENT INSURANCE DATA

E-1: Insured unemployment under State programs	105
E-2: Insured unemployment in 150 major labor areas	106

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: 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
September.....	138,317	84,527	61.1	80,984	78,026	3,629	74,397	2,958	3.7	4.0	53,790
October.....	138,539	85,038	61.4	81,510	78,671	3,561	75,110	2,839	3.5	3.9	53,501

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	Agri- culture	Nonagri- cultural industries	Number	Percent of labor force		
									Not season- ally adjusted	Season- ally 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: October.....	65,646	52,817	80.5	49,253	48,074	3,046	45,029	1,179	2.4	2.9	12,829
1969: 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
September.....	66,569	53,797	80.8	50,294	48,973	2,988	45,985	1,321	2.6	3.2	12,771
October.....	66,671	53,654	80.5	50,166	48,857	2,891	45,966	1,309	2.6	3.2	13,017
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: October.....	70,575	29,660	42.0	29,621	28,289	722	27,568	1,332	4.5	4.6	40,915
1969: 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
September.....	71,749	30,730	42.8	30,691	29,053	642	28,412	1,638	5.3	5.3	41,019
October.....	71,868	31,384	43.7	31,345	29,814	670	29,144	1,530	4.9	5.0	40,484

HOUSEHOLD DATA

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

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALE											
16 years and over	53,654	80.5	50,166	48,857	1,309	2.6	13,017	207	4,341	1,441	7,029
16 to 21 years	6,857	62.9	5,376	4,855	521	9.7	4,051	10	3,742	38	261
16 to 19 years	4,056	54.9	3,610	3,207	403	11.2	3,327	10	3,103	23	191
16 and 17 years	1,691	44.5	1,655	1,435	219	13.3	2,110	4	2,026	6	75
18 and 19 years	2,365	66.0	1,955	1,772	183	9.4	1,217	6	1,078	18	116
20 to 64 years	47,385	92.4	44,343	43,488	854	1.9	3,873	73	1,238	830	1,734
20 to 24 years	7,058	85.4	5,267	4,997	270	5.1	1,209	3	1,010	31	165
25 to 54 years	33,176	96.2	31,927	31,471	456	1.4	1,300	40	225	419	616
25 to 29 years	6,377	96.3	5,898	5,773	124	2.1	248	3	163	25	57
30 to 34 years	5,410	97.7	5,109	5,055	55	1.1	129	5	32	30	62
35 to 39 years	5,296	97.6	5,024	4,967	57	1.1	132	9	11	37	75
40 to 44 years	5,630	96.8	5,515	5,436	80	1.4	187	6	7	65	108
45 to 49 years	5,572	95.6	5,510	5,437	73	1.3	257	5	9	107	136
50 to 54 years	4,891	93.4	4,870	4,803	68	1.4	346	11	2	155	178
55 to 64 years	7,152	84.0	7,148	7,020	128	1.8	1,364	30	3	380	952
55 to 59 years	4,230	90.4	4,227	4,156	71	1.7	449	15	2	167	265
60 to 64 years	2,921	76.1	2,921	2,864	57	1.9	915	14	2	212	687
65 years and over	2,213	27.6	2,213	2,161	52	2.3	5,817	124	--	588	5,104
65 to 69 years	1,280	42.1	1,280	1,250	30	2.3	1,760	23	--	161	1,576
70 years and over	933	18.7	933	911	22	2.4	4,057	101	--	428	3,529
White											
16 years and over	48,185	80.7	45,075	43,989	1,086	2.4	11,515	177	3,802	1,181	6,355
16 to 21 years	6,000	63.2	4,678	4,257	421	9.0	3,490	6	3,257	31	197
16 to 19 years	3,565	55.7	3,171	2,844	327	10.3	2,840	6	2,677	16	142
16 and 17 years	1,513	45.9	1,482	1,295	188	12.7	1,783	4	1,715	3	62
18 and 19 years	2,052	66.0	1,688	1,549	139	8.2	1,057	2	961	13	80
20 to 64 years	42,584	92.7	39,870	39,154	716	1.8	3,356	59	1,126	676	1,495
20 to 24 years	6,196	85.1	4,588	4,368	220	4.8	1,087	3	924	27	132
25 to 54 years	29,844	96.6	28,741	28,354	387	1.3	1,061	30	200	336	495
25 to 34 years	10,501	97.1	9,819	9,667	152	1.5	316	7	176	44	89
35 to 44 years	9,833	97.6	9,490	9,370	120	1.3	240	12	15	78	135
45 to 54 years	9,511	95.0	9,432	9,317	115	1.2	505	11	9	215	271
55 to 64 years	6,544	84.4	6,540	6,432	108	1.7	1,209	27	1	313	868
55 to 59 years	3,868	91.0	3,865	3,805	60	1.5	383	14	--	137	232
60 to 64 years	2,676	76.4	2,676	2,627	49	1.8	825	12	2	176	636
65 years and over	2,035	27.7	2,035	1,991	43	2.1	5,319	112	--	489	4,719
Negro and other races											
16 years and over	5,469	78.5	5,090	4,868	223	4.4	1,502	30	539	260	673
16 to 21 years	857	60.5	698	598	100	14.4	561	4	485	7	64
16 to 19 years	490	50.2	439	364	76	17.2	487	4	427	7	49
16 and 17 years	178	35.2	172	140	32	18.4	327	1	310	3	13
18 and 19 years	313	66.1	267	223	44	16.5	160	3	116	4	36
20 to 64 years	4,801	90.3	4,473	4,334	138	3.1	517	13	112	153	238
20 to 24 years	861	87.6	679	629	50	7.4	122	--	85	4	33
25 to 54 years	3,331	93.3	3,185	3,117	68	2.1	239	10	25	82	122
25 to 34 years	1,286	95.4	1,188	1,161	27	2.3	62	1	20	11	30
35 to 44 years	1,093	93.2	1,049	1,033	16	1.5	80	4	4	25	48
45 to 54 years	952	90.7	948	923	25	2.7	98	5	2	47	44
55 to 64 years	608	79.6	608	588	20	3.3	156	3	2	67	84
55 to 59 years	363	84.6	363	351	12	3.2	66	1	2	31	32
60 to 64 years	245	73.2	245	237	8	3.3	90	2	--	36	52
65 years and over	178	26.4	178	170	9	4.8	498	13	--	100	386

HOUSEHOLD DATA

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

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALE											
16 years and over	31,384	43.7	31,345	29,814	1,530	4.9	40,484	34,048	4,024	852	1,560
16 to 21 years	5,213	48.7	5,192	4,593	599	11.5	5,496	1,610	3,671	17	198
16 to 19 years	3,189	44.1	3,179	2,745	434	13.6	4,039	712	3,166	14	147
16 and 17 years	1,297	34.9	1,297	1,082	215	16.6	2,417	195	2,158	6	59
18 and 19 years	1,892	53.8	1,882	1,663	219	11.6	1,622	517	1,008	8	89
20 to 64 years	27,141	50.4	27,112	26,044	1,068	3.9	26,758	24,881	849	263	765
20 to 24 years	4,706	57.2	4,688	4,371	318	6.8	3,521	2,717	662	16	127
25 to 54 years	18,329	50.7	18,318	17,659	658	3.6	17,818	17,084	183	144	407
25 to 29 years	2,973	44.2	2,968	2,777	191	6.4	3,757	3,603	69	18	67
30 to 34 years	2,619	45.8	2,617	2,531	87	3.3	3,094	2,994	44	15	40
35 to 39 years	2,812	49.9	2,810	2,704	106	3.8	2,828	2,718	35	15	60
40 to 44 years	3,271	53.3	3,269	3,171	98	3.0	2,869	2,752	21	24	72
45 to 49 years	3,539	56.6	3,538	3,463	76	2.1	2,719	2,599	6	33	80
50 to 54 years	3,114	55.0	3,114	3,013	101	3.2	2,551	2,418	7	39	87
55 to 64 years	4,106	43.1	4,106	4,014	91	2.2	5,419	5,079	5	103	231
55 to 59 years	2,549	49.6	2,549	2,483	66	2.6	2,591	2,454	4	45	88
60 to 64 years	1,557	35.5	1,557	1,531	25	1.6	2,828	2,626	1	58	144
65 years and over	1,054	9.8	1,054	1,025	29	2.8	9,687	8,455	9	575	648
65 to 69 years	614	16.7	614	591	23	3.7	3,051	2,802	6	73	169
70 years and over	440	6.2	440	434	6	1.5	6,636	5,652	2	502	479
White											
16 years and over	27,335	42.8	27,300	26,084	1,216	4.5	36,586	31,082	3,440	688	1,377
16 to 21 years	4,595	49.7	4,577	4,121	456	10.0	4,650	1,340	3,135	10	165
16 to 19 years	2,822	45.3	2,814	2,496	318	11.3	3,401	573	2,695	9	124
16 and 17 years	1,171	36.6	1,171	1,000	171	14.6	2,028	153	1,820	3	51
18 and 19 years	1,651	54.6	1,643	1,496	147	8.9	1,374	420	875	5	73
20 to 64 years	23,549	49.3	23,522	22,652	870	3.7	24,246	22,642	736	215	653
20 to 24 years	4,066	56.6	4,051	3,806	245	6.0	3,118	2,425	580	10	103
25 to 54 years	15,788	49.4	15,778	15,236	541	3.4	16,170	15,552	151	117	351
25 to 34 years	4,690	43.0	4,684	4,463	222	4.7	6,217	6,017	89	30	81
35 to 44 years	5,206	50.3	5,203	5,033	170	3.3	5,150	4,954	49	28	119
45 to 54 years	5,892	55.1	5,890	5,741	149	2.5	4,802	4,582	13	58	150
55 to 64 years	3,694	42.7	3,694	3,609	85	2.3	4,958	4,665	5	89	200
55 to 59 years	2,292	49.3	2,292	2,231	61	2.7	2,356	2,236	4	37	79
60 to 64 years	1,402	35.0	1,402	1,378	24	1.7	2,602	2,429	1	51	121
65 years and over	964	9.7	964	936	28	2.9	8,939	7,867	9	464	599
Negro and other races											
16 years and over	4,049	51.0	4,045	3,730	314	7.8	3,898	2,966	584	164	184
16 to 21 years	618	42.2	615	472	144	23.4	846	270	535	7	33
16 to 19 years	367	36.5	365	249	116	31.8	638	139	471	5	23
16 and 17 years	126	24.5	126	81	45	35.3	390	41	338	2	8
18 and 19 years	240	49.2	239	168	72	29.9	248	98	132	3	15
20 to 64 years	3,593	58.9	3,589	3,393	196	5.5	2,512	2,239	114	48	112
20 to 24 years	640	61.3	638	565	73	11.4	403	292	82	6	24
25 to 54 years	2,541	60.7	2,540	2,422	117	4.6	1,648	1,533	32	27	56
25 to 34 years	902	58.7	901	846	56	6.2	633	580	24	3	26
35 to 44 years	877	61.5	876	842	34	3.9	548	516	8	10	13
45 to 54 years	762	62.0	762	734	27	3.6	467	436	--	14	17
55 to 64 years	412	47.2	412	405	6	1.6	461	415	--	15	32
55 to 59 years	257	52.3	257	253	5	1.9	235	218	--	8	9
60 to 64 years	154	40.6	154	153	2	1.1	226	197	--	7	23
65 years and over	90	10.8	90	88	2	2.0	748	588	--	111	49

HOUSEHOLD DATA

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

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
MALE								
16 years and over	53,654	52,817	80.5	80.5	50,166	49,253	79.4	79.3
16 to 19 years	4,056	3,878	54.9	53.6	3,610	3,443	52.0	50.6
16 and 17 years	1,691	1,568	44.5	42.4	1,655	1,541	43.9	42.0
18 and 19 years	2,365	2,311	66.0	65.2	1,955	1,902	61.6	60.7
20 to 24 years	7,058	6,788	85.4	85.4	5,267	4,960	81.3	81.1
25 to 54 years	33,176	32,905	96.2	96.3	31,927	31,607	96.1	96.2
25 to 34 years	11,787	11,458	98.9	96.9	11,007	10,662	96.7	96.6
35 to 44 years	10,926	11,067	97.2	97.2	10,539	10,661	97.1	97.1
45 to 54 years	10,463	10,379	94.6	94.8	10,380	10,284	94.5	94.8
55 to 64 years	7,152	7,049	84.0	84.1	7,148	7,045	84.0	84.1
55 to 59 years	4,230	4,142	90.4	90.0	4,227	4,139	90.4	90.0
60 to 64 years	2,921	2,907	76.1	77.0	2,921	2,906	76.1	77.0
65 years and over	2,213	2,198	27.6	27.7	2,213	2,198	27.6	27.7
White								
16 years and over	48,185	47,509	80.7	80.7	45,075	44,324	79.7	79.6
16 to 19 years	3,565	3,434	55.7	54.6	3,171	3,039	52.7	51.6
16 and 17 years	1,513	1,416	45.9	44.2	1,482	1,391	45.4	43.7
18 and 19 years	2,052	2,018	66.0	65.5	1,688	1,647	61.5	60.8
20 to 24 years	6,196	5,978	85.1	85.1	4,588	4,330	80.9	80.6
25 to 54 years	29,844	29,634	96.6	96.7	28,741	28,496	96.4	96.6
25 to 34 years	10,501	10,219	97.1	97.0	9,819	9,526	96.9	96.8
35 to 44 years	9,833	9,972	97.6	97.7	9,490	9,614	97.5	97.6
45 to 54 years	9,511	9,443	95.0	95.3	9,432	9,356	94.9	95.3
55 to 64 years	6,544	6,446	84.4	84.6	6,540	6,443	84.4	84.6
55 to 59 years	3,868	3,784	91.0	90.5	3,865	3,780	91.0	90.5
60 to 64 years	2,676	2,663	76.4	77.3	2,676	2,662	76.4	77.3
65 years and over	2,035	2,017	27.7	27.8	2,035	2,017	27.7	27.8
Negro and other races								
16 years and over	5,469	5,308	78.5	78.1	5,090	4,929	77.2	76.8
16 to 19 years	490	444	50.2	46.9	439	404	47.4	44.6
16 and 17 years	178	152	35.2	31.2	172	150	34.5	30.9
18 and 19 years	313	292	66.1	63.5	267	254	62.5	60.2
20 to 24 years	861	810	87.6	87.7	679	630	84.7	84.7
25 to 54 years	3,331	3,270	93.3	93.0	3,185	3,112	93.0	92.7
25 to 34 years	1,286	1,239	95.4	95.5	1,188	1,136	95.1	95.1
35 to 44 years	1,093	1,095	93.2	92.9	1,049	1,047	92.9	92.6
45 to 54 years	952	936	90.7	90.1	948	929	90.7	90.0
55 to 64 years	608	602	79.6	79.9	608	602	79.6	79.9
55 to 59 years	363	359	84.6	85.2	363	359	84.6	85.2
60 to 64 years	245	244	73.2	73.2	245	244	73.2	73.2
65 years and over	178	181	26.4	27.4	178	181	26.4	27.4

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	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
FEMALE								
16 years and over	31,384	29,660	43.7	42.0	31,345	29,621	43.6	42.0
16 to 19 years	3,189	2,807	44.1	39.7	3,179	2,797	44.0	39.7
16 and 17 years	1,297	1,067	34.9	29.6	1,297	1,067	34.9	29.6
18 and 19 years	1,892	1,740	53.8	50.2	1,882	1,730	53.7	50.1
20 to 24 years	4,706	4,355	57.2	55.3	4,688	4,337	57.1	55.2
25 to 54 years	18,329	17,499	50.7	48.9	18,318	17,488	50.7	48.9
25 to 34 years	5,592	5,259	44.9	43.5	5,586	5,253	44.9	43.5
35 to 44 years	6,083	5,970	51.6	50.0	6,080	5,966	51.6	50.0
45 to 54 years	6,654	6,271	55.8	53.3	6,652	6,269	55.8	53.3
55 to 64 years	4,106	3,955	43.1	42.4	4,106	3,955	43.1	42.4
55 to 59 years	2,549	2,390	49.6	47.4	2,549	2,390	49.6	47.4
60 to 64 years	1,557	1,565	35.5	36.5	1,557	1,557	35.5	36.5
65 years and over	1,054	1,044	9.8	9.9	1,054	1,044	9.8	9.9
White								
16 years and over	27,335	25,794	42.8	41.0	27,300	25,760	42.7	41.0
16 to 19 years	2,822	2,475	45.3	40.6	2,814	2,466	45.3	40.6
16 and 17 years	1,171	960	36.6	31.0	1,171	960	36.6	31.0
18 and 19 years	1,651	1,515	54.6	50.7	1,643	1,506	54.5	50.5
20 to 24 years	4,066	3,770	56.6	54.6	4,051	3,755	56.5	54.5
25 to 54 years	15,788	15,045	49.4	47.5	15,778	15,034	49.4	47.5
25 to 34 years	4,690	4,419	43.0	41.7	4,684	4,414	43.0	41.6
35 to 44 years	5,206	5,111	50.3	48.6	5,203	5,108	50.3	48.6
45 to 54 years	5,892	5,514	55.1	52.2	5,890	5,513	55.1	52.2
55 to 64 years	3,694	3,557	42.7	41.9	3,694	3,557	42.7	41.9
55 to 59 years	2,292	2,148	49.3	47.1	2,292	2,148	49.3	47.1
60 to 64 years	1,402	1,409	35.0	35.9	1,402	1,409	35.0	35.9
65 years and over	964	948	9.7	9.8	964	948	9.7	9.8
Negro and other races								
16 years and over	4,049	3,866	51.0	50.0	4,045	3,861	50.9	50.0
16 to 19 years	367	332	36.5	34.2	365	331	36.4	34.1
16 and 17 years	126	106	24.5	21.4	126	106	24.4	21.4
18 and 19 years	240	226	49.2	47.6	239	224	49.1	47.5
20 to 24 years	640	585	61.3	60.0	638	582	61.3	59.9
25 to 54 years	2,541	2,455	60.7	59.7	2,540	2,453	60.6	59.7
25 to 34 years	902	840	58.7	56.5	901	839	58.7	56.4
35 to 44 years	877	859	61.5	60.3	876	858	61.5	60.3
45 to 54 years	762	756	62.0	62.9	762	756	62.0	62.9
55 to 64 years	412	398	47.2	46.8	412	398	47.2	46.8
55 to 59 years	257	242	52.3	50.6	257	242	52.3	50.6
60 to 64 years	154	156	40.6	41.8	154	156	40.6	41.8
65 years and over	90	97	10.8	11.8	90	97	10.8	11.8

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex
 October 1969
 (In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total noninstitutional population	21,617	10,908	10,709	18,735	9,490	9,245	2,882	1,418	1,464
Total labor force	12,079	6,857	5,213	10,594	6,000	4,595	1,475	857	618
Percent of population	55.8	62.9	48.7	56.5	63.2	49.7	51.2	60.5	42.2
Civilian labor force	10,569	5,376	5,192	9,255	4,678	4,577	1,314	698	615
Employed	9,448	4,855	4,593	8,379	4,257	4,121	1,070	598	472
Agriculture	376	328	48	321	282	39	55	46	9
Nonagricultural industries	9,072	4,527	4,545	8,058	3,975	4,082	1,014	552	463
Unemployed	1,120	521	599	876	421	456	244	100	144
Percent of labor force	10.6	9.7	11.5	9.5	9.0	10.0	18.6	14.4	23.4
Looking for full-time work	541	232	309	402	177	225	140	55	84
Looking for part-time work	579	289	291	475	244	231	105	45	60
Not in labor force	9,547	4,051	5,496	8,140	3,490	4,650	1,407	561	846
Major activity: going to school									
Civilian labor force	3,849	2,196	1,653	3,503	2,015	1,488	346	181	165
Employed	3,304	1,914	1,391	3,054	1,776	1,279	250	138	112
Agriculture	180	159	21	150	136	14	30	23	7
Nonagricultural industries	3,124	1,754	1,370	2,905	1,640	1,265	220	115	105
Unemployed	544	282	262	448	239	209	96	43	53
Percent of labor force	14.1	12.8	15.9	12.8	11.9	14.1	27.7	23.8	31.9
Looking for full-time work	19	13	6	13	9	3	6	3	2
Looking for part-time work	526	269	256	436	230	206	90	40	50
Not in labor force	7,413	3,742	3,671	6,393	3,257	3,135	1,020	485	535
Major activity: other									
Civilian labor force	6,720	3,181	3,539	5,752	2,663	3,089	968	517	451
Employed	6,144	2,942	3,202	5,324	2,481	2,843	820	460	359
Agriculture	196	169	27	171	146	25	25	23	2
Nonagricultural industries	5,948	2,773	3,175	5,153	2,336	2,817	795	437	358
Unemployed	576	239	337	428	182	246	148	57	91
Percent of labor force	8.6	7.5	9.5	7.4	6.8	8.0	15.3	11.1	20.2
Looking for full-time work	523	220	303	389	167	221	134	52	82
Looking for part-time work	54	19	34	39	14	25	15	5	10
Not in labor force	2,134	309	1,826	1,748	233	1,515	387	76	311

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

Employment status and color	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16-19 years	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
	Total							
Total noninstitutional population	138,539	136,221	59,288	58,410	64,640	63,513	14,611	14,297
Total labor force	85,038	82,477	49,598	48,939	28,195	26,853	7,244	6,685
Percent of population	61.4	60.5	83.7	83.8	43.6	42.3	49.6	46.8
Civilian labor force	81,510	78,874	46,556	45,810	28,166	26,824	6,789	6,240
Employed	78,671	76,364	45,649	45,000	27,069	25,847	5,952	5,516
Agriculture	3,561	3,767	2,627	2,757	636	669	297	341
Nonagricultural industries	75,110	72,596	43,022	42,243	26,433	25,179	5,655	5,175
Unemployed	2,839	2,511	906	810	1,097	977	836	724
Percent of labor force	3.5	3.2	1.9	1.8	3.9	3.6	12.3	11.6
Not in labor force	53,501	53,744	9,690	9,472	36,445	36,660	7,367	7,612
White								
Total noninstitutional population	123,621	121,695	53,294	52,558	57,697	56,759	12,629	12,378
Total labor force	75,519	73,303	44,619	44,075	24,513	23,319	6,387	5,909
Percent of population	61.1	60.2	83.7	83.9	42.5	41.1	50.6	47.7
Civilian labor force	72,375	70,084	41,905	41,286	24,486	23,294	5,984	5,505
Employed	70,073	68,118	41,145	40,636	23,588	22,516	5,340	4,966
Agriculture	3,166	3,350	2,356	2,468	552	575	258	307
Nonagricultural industries	66,907	64,768	38,789	38,168	23,035	21,941	5,082	4,659
Unemployed	2,302	1,966	759	650	898	777	645	539
Percent of labor force	3.2	2.8	1.8	1.6	3.7	3.3	10.8	9.8
Not in labor force	48,101	48,392	8,675	8,483	33,185	33,440	6,242	6,469
Negro and other races								
Total noninstitutional population	14,919	14,526	5,994	5,852	6,943	6,754	1,982	1,919
Total labor force	9,519	9,174	4,979	4,864	3,683	3,534	857	776
Percent of population	63.8	63.2	83.1	83.1	53.0	52.3	43.2	40.4
Civilian labor force	9,135	8,790	4,651	4,524	3,679	3,530	804	735
Employed	8,598	8,246	4,504	4,364	3,481	3,331	613	551
Agriculture	394	418	271	289	84	94	40	35
Nonagricultural industries	8,203	7,828	4,233	4,075	3,397	3,237	573	516
Unemployed	537	544	147	160	198	199	192	185
Percent of labor force	5.9	6.2	3.2	3.5	5.4	5.6	23.8	25.1
Not in labor force	5,400	5,352	1,015	989	3,260	3,220	1,125	1,143

HOUSEHOLD DATA

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

October 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	69,491	65,594	1,955	1,942	2.8	12,019	11,122	898	7.5
16 to 21 years	6,077	5,185	351	541	8.9	4,492	3,912	579	12.9
16 to 19 years	3,110	2,534	226	350	11.2	3,678	3,192	487	13.2
16 and 17 years	572	404	67	101	17.7	2,379	2,046	333	14.0
18 and 19 years	2,538	2,130	159	249	9.8	1,299	1,146	153	11.8
20 years and over	66,380	63,060	1,729	1,592	2.4	8,341	7,930	411	4.9
20 to 24 years	8,503	7,812	239	452	5.3	1,452	1,317	135	9.3
25 years and over	57,877	55,248	1,490	1,140	2.0	6,889	6,613	276	4.0
25 to 54 years	45,781	43,762	1,088	933	2.0	4,463	4,281	182	4.1
55 years and over	12,096	11,487	403	207	1.7	2,425	2,331	94	3.9
MALE									
16 years and over	45,902	44,005	980	917	2.0	4,264	3,872	392	9.2
16 to 21 years	2,978	2,549	196	232	7.8	2,398	2,109	289	12.0
16 to 19 years	1,602	1,312	133	156	9.8	2,008	1,762	246	12.3
20 years and over	44,300	42,693	846	761	1.7	2,255	2,110	146	6.5
20 to 24 years	4,585	4,275	109	201	4.4	682	613	69	10.1
25 years and over	39,715	38,418	737	560	1.4	1,573	1,497	77	4.9
25 to 54 years	31,426	30,495	505	425	1.4	501	471	30	6.2
55 years and over	8,289	7,923	232	134	1.6	1,072	1,026	47	4.4
FEMALE									
16 years and over	23,589	21,589	975	1,025	4.3	7,756	7,250	506	6.5
16 to 21 years	3,099	2,636	154	309	10.0	2,094	1,803	291	13.9
16 to 19 years	1,509	1,222	93	194	12.8	1,670	1,430	240	14.4
20 years and over	22,080	20,367	882	831	3.8	6,086	5,820	265	4.4
20 to 24 years	3,918	3,537	130	251	6.4	770	704	66	8.6
25 years and over	18,162	16,830	752	580	3.2	5,316	5,116	199	3.7
25 to 54 years	14,355	13,266	582	507	3.5	3,962	3,811	152	3.8
55 years and over	3,807	3,564	171	73	1.9	1,353	1,305	48	3.5

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

HOUSEHOLD DATA

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total, 16 years and over	1,309	1,179	2.6	2.4	1,530	1,332	4.9	4.5
16 to 19 years	403	368	11.2	10.7	434	355	13.6	12.7
16 and 17 years	219	191	13.3	12.4	215	142	16.6	13.3
18 and 19 years	183	178	9.4	9.4	219	214	11.6	12.3
20 years and over	906	810	1.9	1.8	1,097	977	3.9	3.6
20 to 24 years	270	224	5.1	4.5	318	298	6.8	6.9
25 years and over	636	586	1.5	1.4	779	678	3.3	3.0
25 to 34 years	179	166	1.6	1.6	278	252	5.0	4.8
35 to 44 years	136	127	1.3	1.2	204	182	3.4	3.0
45 to 54 years	140	134	1.4	1.3	177	141	2.7	2.2
55 to 64 years	128	110	1.8	1.6	91	83	2.2	2.1
55 to 59 years	71	65	1.7	1.6	66	51	2.6	2.1
60 to 64 years	57	45	1.9	1.6	25	31	1.6	2.0
65 years and over	52	49	2.3	2.2	29	22	2.8	2.1
Household head, 16 years and over	608	588	1.5	1.4	205	194	3.2	3.2
16 to 24 years	87	88	2.8	2.9	34	38	5.2	7.0
25 to 54 years	359	346	1.2	1.2	120	109	3.3	3.1
55 years and over	162	154	1.8	1.7	51	47	2.3	2.2

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

Marital status, age, and color	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total, 16 years and over	1,309	1,179	2.6	2.4	1,530	1,332	4.9	4.5
Married, spouse present	518	501	1.3	1.3	756	695	4.1	4.0
Widowed, divorced, or separated	112	81	4.0	3.2	205	202	3.5	3.6
Single (never married)	679	597	7.8	7.3	570	435	8.1	6.7
Total, 20 to 64 years of age	854	761	1.9	1.7	1,068	955	3.9	3.7
Married, spouse present	480	453	1.3	1.2	704	627	3.9	3.7
Widowed, divorced, or separated	93	75	3.8	3.4	175	181	3.4	3.6
Single (never married)	282	235	5.4	4.8	189	146	4.5	3.7
White, 16 years and over	1,086	924	2.4	2.1	1,216	1,042	4.5	4.0
Married, spouse present	457	416	1.3	1.2	651	581	4.0	3.7
Widowed, divorced, or separated	79	54	3.6	2.7	143	146	3.0	3.2
Single (never married)	551	454	7.3	6.4	422	315	6.9	5.6
White, 20 to 64 years of age	716	608	1.8	1.5	870	757	3.7	3.4
Married, spouse present	421	375	1.3	1.1	607	529	3.8	3.5
Widowed, divorced, or separated	66	49	3.5	2.8	116	130	2.9	3.3
Single (never married)	229	184	5.1	4.4	147	100	4.1	2.9
Negro and other races, 16 years and over	223	254	4.4	5.2	314	290	7.8	7.5
Married, spouse present	61	85	1.8	2.5	104	114	5.2	6.0
Widowed, divorced, or separated	33	26	5.6	4.9	62	56	5.5	5.0
Single (never married)	128	143	11.2	13.9	148	120	16.2	14.5
Negro and other races, 20 to 64 years of age	138	153	3.1	3.5	196	197	5.5	5.7
Married, spouse present	59	79	1.8	2.5	96	98	4.9	5.3
Widowed, divorced, or separated	27	24	5.0	4.9	59	52	5.6	5.0
Single (never married)	53	50	7.3	7.8	41	45	7.0	8.4

HOUSEHOLD DATA

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total.....	2,839	2,511	3.5	3.2	2.6	2.4	4.9	4.5
White-collar workers.....	886	706	2.3	1.9	1.2	1.2	3.5	2.8
Professional and technical.....	164	119	1.5	1.1	.9	.9	2.4	1.4
Managers, officials, and proprietors.....	76	97	.9	1.2	.7	1.1	2.0	1.8
Clerical workers.....	483	350	3.4	2.7	2.2	1.8	3.8	3.0
Sales workers.....	163	140	3.3	2.9	2.1	1.3	4.9	5.1
Blue-collar workers.....	1,089	973	3.7	3.4	3.1	2.9	6.3	5.8
Craftsmen and foremen.....	209	191	2.0	1.8	1.8	1.8	6.2	2.8
Carpenters and other construction craftsmen.....	91	79	3.0	2.7	2.9	2.7	(1)	--
All other.....	118	112	1.6	1.5	1.4	1.4	5.8	3.1
Operatives.....	653	546	4.3	3.7	3.3	2.7	6.3	5.8
Drivers and deliverymen.....	69	47	2.6	1.8	2.5	1.9	3.6	--
All other.....	584	499	4.7	4.2	3.6	3.0	6.4	6.0
Nonfarm laborers.....	226	236	5.9	6.4	6.0	6.2	5.4	11.4
Construction laborers.....	78	68	9.1	8.8	9.0	8.8	(1)	--
All other.....	148	168	5.0	5.8	5.1	5.5	4.9	11.5
Service workers.....	402	421	4.0	4.3	4.1	3.2	4.0	4.9
Private household.....	54	69	3.2	4.0	(1)	(1)	3.3	4.0
All other.....	348	352	4.2	4.4	4.1	3.2	4.3	5.2
Farmers and farm laborers.....	50	58	1.5	1.7	1.1	1.6	3.3	2.1
No previous work experience.....	414	352	--	--	--	--	--	--
16 to 19 years.....	301	251	--	--	--	--	--	--
20 to 24 years.....	66	56	--	--	--	--	--	--
25 years and over.....	47	45	--	--	--	--	--	--

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	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total.....	100.0	100.0	3.5	3.2	2.6	2.4	4.9	4.5
Private wage and salary workers.....	72.1	73.6	3.5	3.3	2.8	2.5	4.6	4.5
Mining.....	.2	.6	1.2	3.0	1.5	3.0	--	(1)
Construction.....	6.7	5.9	5.0	4.1	5.0	4.2	3.8	1.2
Manufacturing.....	25.4	25.5	3.4	3.0	2.4	2.2	5.7	5.0
Durable goods.....	13.6	14.5	3.0	2.9	2.2	2.4	5.9	4.7
Primary metal industries.....	1.1	2.0	2.3	4.2	1.9	3.9	6.7	(1)
Fabricated metal products.....	1.9	1.7	3.1	2.5	2.5	2.0	5.5	4.5
Machinery.....	1.9	2.1	2.4	2.4	2.1	2.0	3.8	4.6
Electrical equipment.....	2.8	2.0	3.6	2.5	2.0	2.6	5.8	2.3
Motor vehicles and equipment.....	.6	.8	1.5	1.7	1.2	1.5	4.0	3.9
All other transportation equipment.....	2.1	1.2	4.8	2.2	3.7	1.8	11.3	4.9
Other durable goods industries.....	3.1	4.7	3.1	4.1	2.1	2.9	6.0	7.6
Nondurable goods.....	11.9	11.0	3.8	3.2	2.7	1.9	5.5	5.3
Food and kindred products.....	2.9	2.7	4.4	3.6	3.2	2.8	7.2	5.8
Textile mill products.....	1.6	1.0	4.4	2.4	2.1	1.0	6.6	4.0
Apparel and other finished textile products.....	3.2	3.4	6.3	6.1	7.8	2.2	5.9	7.1
Other nondurable goods industries.....	4.2	3.9	2.7	2.3	2.1	1.6	3.9	4.0
Transportation and public utilities.....	3.9	3.1	2.3	1.8	2.3	1.5	2.5	2.9
Railroads and railway express.....	.3	.3	1.4	1.0	1.2	1.0	(1)	--
Other transportation.....	2.6	1.6	3.7	2.0	3.7	1.9	3.7	3.1
Communication and other public utilities.....	1.0	1.3	1.4	1.8	1.0	1.2	1.9	2.9
Wholesale and retail trade.....	18.4	18.8	4.0	3.7	3.2	2.4	5.1	5.5
Finance, insurance, and real estate.....	3.1	3.0	2.5	2.3	1.8	1.6	3.2	2.9
Service industries.....	14.4	16.6	3.4	3.6	2.4	3.1	4.0	4.0
Professional services.....	4.8	4.9	2.4	2.3	.7	1.9	3.2	2.5
All other service industries.....	9.6	11.7	4.4	4.9	3.7	4.0	4.9	5.4
Agricultural wage and salary workers.....	2.3	2.4	5.1	4.5	4.1	4.1	9.4	6.1
All other classes of workers.....	11.1	10.0	1.5	1.3	.9	1.1	2.5	1.5
No previous work experience.....	14.6	14.0	--	--	--	--	--	--

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		Negro and other races	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	2,839	2,511	906	810	1,097	977	836	724	2,302	1,966	537	544
Lost last job	882	857	458	443	314	297	110	117	728	635	154	233
Left last job	451	430	141	168	209	159	101	103	383	350	68	80
Reentered labor force	1,093	873	267	172	501	448	324	253	861	714	232	159
Never worked before	414	351	40	27	72	73	301	250	330	268	84	82
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	31.0	34.2	50.5	54.6	28.7	30.5	13.1	16.2	31.7	32.3	28.7	41.0
Left last job	15.9	17.1	15.5	20.7	19.1	16.2	12.1	14.3	16.6	17.8	12.6	14.7
Reentered labor force	38.5	34.8	29.5	21.2	45.7	45.8	38.8	35.0	37.4	36.3	43.2	29.2
Never worked before	14.6	14.0	4.4	3.4	6.6	7.5	36.0	34.5	14.3	13.6	15.6	15.1
UNEMPLOYMENT RATE												
Total unemployment rate	3.5	3.2	1.9	1.8	3.9	3.6	12.3	11.6	3.2	2.8	5.9	6.2
Job-loser rate ¹	1.1	1.1	1.0	1.0	1.1	1.1	1.6	1.9	1.0	.9	1.7	2.5
Job-leaver rate ¹ . . . . .	.6	.5	.3	.4	.7	.6	1.5	1.7	.5	.5	.7	.9
Reentrant rate ¹	1.3	1.1	.6	.4	1.8	1.7	4.8	4.1	1.2	1.0	2.5	1.8
New entrant rate ¹ . . . . .	.5	.4	.1	.1	.3	.3	4.4	4.0	.5	.4	.9	.9

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

A-13: Unemployed persons by reason for unemployment, duration, sex, and age
October 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	2,839	100.0	61.0	27.4	11.6	7.4	4.2
Lost last job	882	100.0	61.0	22.6	16.4	9.6	6.8
Left last job	451	100.0	62.3	26.8	10.9	6.2	4.7
Reentered labor force	1,093	100.0	62.9	28.5	8.7	5.7	3.0
Never worked before	414	100.0	55.1	35.0	9.9	8.5	1.4
Male, 20 years and over	906	100.0	64.0	20.6	15.3	7.4	7.9
Lost last job	458	100.0	62.2	20.5	17.3	7.9	9.4
Left last job	141	100.0	63.8	22.7	13.5	7.8	5.7
Reentered labor force	267	100.0	68.4	19.5	12.0	6.4	5.6
Never worked before	40	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,097	100.0	59.9	28.5	11.6	7.7	3.9
Lost last job	314	100.0	54.0	27.6	18.4	13.3	5.1
Left last job	209	100.0	58.9	29.7	11.4	5.7	5.7
Reentered labor force	501	100.0	63.4	29.0	7.6	4.6	3.0
Never worked before	72	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years	836	100.0	59.2	33.1	7.7	7.0	.7
Lost last job	110	100.0	74.5	17.3	8.2	6.4	1.8
Left last job	101	100.0	66.7	27.5	5.9	4.9	1.0
Reentered labor force	324	100.0	57.5	35.1	7.4	6.5	.9
Never worked before	301	100.0	52.6	38.4	8.9	8.6	.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	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total.....	2,839	2,511	100.0	100.0	813	782	100.0	100.0
Less than 5 weeks.....	1,733	1,439	61.0	57.3	493	400	60.6	51.1
5 to 14 weeks.....	778	732	27.4	29.2	185	228	22.8	29.1
5 to 10 weeks.....	627	586	22.1	23.3	144	181	17.7	23.1
11 to 14 weeks.....	150	146	5.3	5.8	41	47	5.0	6.0
15 weeks and over.....	329	339	11.6	13.5	136	155	16.6	19.8
15 to 26 weeks.....	209	221	7.4	8.8	66	88	8.1	11.2
27 weeks and over.....	120	118	4.2	4.7	69	67	8.5	8.6
Average (mean) duration.....	7.4	8.1	--	--	9.7	11.1	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status October 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	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total	2,839	1,733	778	209	120	61.0	57.3	11.6	13.5
16 to 21 years.....	1,120	680	356	73	12	60.7	62.0	7.6	9.1
16 to 19 years.....	836	496	277	59	5	59.2	58.7	7.6	9.7
20 to 24 years.....	588	388	162	28	11	65.9	67.6	6.6	8.6
25 to 44 years.....	797	507	195	50	45	63.6	55.8	11.9	14.5
45 years and over.....	618	343	144	73	58	55.5	47.7	21.3	22.1
Male	1,309	817	328	90	75	62.4	56.3	12.6	14.6
16 to 21 years.....	521	319	173	25	4	61.1	64.4	5.6	7.5
16 to 19 years.....	403	237	140	23	3	58.8	61.6	6.3	8.2
20 to 24 years.....	270	198	59	11	3	73.1	67.3	5.2	8.7
25 to 44 years.....	315	198	71	18	29	62.9	57.3	14.9	15.4
45 years and over.....	321	184	58	38	40	57.5	40.1	24.5	26.5
Female	1,531	916	450	120	45	59.8	58.2	10.8	12.6
16 to 21 years.....	599	361	182	48	8	60.3	59.8	9.3	10.7
16 to 19 years.....	434	259	137	36	3	59.6	55.8	8.9	11.3
20 to 24 years.....	318	190	103	17	7	59.9	67.9	7.8	8.5
25 to 44 years.....	482	309	125	31	18	64.1	54.4	10.2	13.8
45 years and over.....	297	158	86	35	18	53.3	56.7	17.8	16.8
White: Total	2,302	1,420	626	153	103	61.7	59.0	11.1	13.8
Male.....	1,086	676	275	69	67	62.2	56.8	12.5	15.5
Female.....	1,216	744	351	84	36	61.2	60.9	9.9	12.3
Negro and other races: Total	537	313	151	56	17	58.2	51.3	13.6	12.5
Male.....	223	141	53	21	8	63.3	54.3	12.9	11.3
Female.....	314	172	98	35	9	54.6	48.7	14.1	13.6
Male: Married, wife present	518	339	102	39	37	65.4	53.4	14.8	19.4
Widowed, divorced, or separated.....	112	67	21	10	14	60.0	(1)	21.3	(1)
Single (never married).....	679	410	205	40	23	60.5	60.7	9.4	10.2
Female: Married, husband present	756	469	205	64	18	62.1	63.7	10.8	10.3
Widowed, divorced, or separated.....	205	115	64	14	12	56.3	50.1	12.6	17.2
Single (never married).....	570	331	181	42	15	58.2	53.3	10.0	14.0

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

HOUSEHOLD DATA

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

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	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
OCCUPATION									
White-collar workers	886	512	270	64	40	57.8	58.3	11.8	11.6
Professional and managerial	240	140	61	23	16	58.3	53.7	16.3	17.6
Clerical workers	483	271	165	32	15	56.1	56.1	9.8	9.3
Sales workers	163	101	44	9	9	61.9	71.7	11.1	8.5
Blue-collar workers	1,089	710	256	70	52	65.2	56.8	11.3	13.7
Craftsmen and foremen	209	143	46	15	5	68.2	58.2	9.7	15.4
Operatives	653	409	162	41	41	62.6	58.7	12.6	13.0
Nonfarm laborers	226	158	48	14	6	69.9	51.2	8.7	13.7
Service workers	402	252	92	35	23	62.6	63.0	14.4	11.5
INDUSTRY ¹									
Agriculture	65	39	18	5	3	(2)	(2)	(2)	(2)
Construction	195	152	30	9	4	78.1	67.1	6.6	11.7
Manufacturing	725	427	202	52	44	58.9	55.2	13.3	13.2
Durable goods	387	212	119	30	26	54.8	50.6	14.6	11.6
Nondurable goods	338	215	83	22	18	63.7	61.2	11.8	15.4
Transportation and public utilities	113	75	20	12	6	66.6	(2)	15.3	(2)
Wholesale and retail trade	526	316	155	38	18	60.0	63.0	10.6	10.3
Finance and service industries	646	399	168	53	27	61.8	59.2	12.4	10.9
Public administration	106	56	37	7	6	53.0	(2)	1.2	(2)
No previous work experience	414	227	146	35	6	55.0	53.1	9.8	19.7

¹ Includes wage and salary workers only.

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

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

Age and type of industry	Total		Male		Female	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
All industries	78,671	76,364	48,857	48,074	29,814	28,289
16 to 19 years	5,952	5,516	3,207	3,075	2,745	2,442
16 and 17 years	2,517	2,276	1,435	1,351	1,082	925
18 and 19 years	3,436	3,241	1,772	1,724	1,663	1,517
20 to 24 years	9,368	8,775	4,997	4,736	4,371	4,039
25 to 54 years	49,131	48,094	31,471	31,181	17,659	16,914
25 to 34 years	16,136	15,496	10,828	10,496	5,308	5,001
35 to 44 years	16,278	16,319	10,403	10,534	5,875	5,784
45 to 54 years	16,716	16,279	10,240	10,150	6,476	6,129
55 to 64 years	11,034	10,807	7,020	6,934	4,014	3,873
55 to 59 years	6,639	6,412	4,156	4,073	2,483	2,339
60 to 64 years	4,395	4,395	2,864	2,861	1,531	1,534
65 years and over	3,186	3,171	2,161	2,149	1,025	1,022
Nonagricultural industries	75,110	72,596	45,966	45,029	29,144	27,568
16 to 19 years	5,655	5,175	2,944	2,786	2,711	2,389
16 and 17 years	2,327	2,083	1,270	1,192	1,057	891
18 and 19 years	3,328	3,092	1,673	1,594	1,655	1,498
20 to 24 years	9,151	8,518	4,809	4,529	4,342	3,989
25 to 54 years	47,304	46,118	30,078	29,655	17,225	16,462
25 to 34 years	15,653	14,990	10,445	10,101	5,208	4,888
35 to 44 years	15,650	15,645	9,940	10,033	5,710	5,612
45 to 54 years	16,001	15,483	9,693	9,521	6,308	5,963
55 to 64 years	10,300	10,077	6,401	6,324	3,899	3,753
55 to 59 years	6,247	6,018	3,827	3,749	2,421	2,269
60 to 64 years	4,053	4,059	2,575	2,575	1,478	1,484
65 years and over	2,700	2,709	1,734	1,734	966	974
Agriculture	3,561	3,767	2,891	3,046	670	722
16 to 19 years	297	341	264	289	34	53
16 and 17 years	190	193	165	159	25	34
18 and 19 years	108	148	99	129	9	19
20 to 24 years	217	257	188	207	28	49
25 to 54 years	1,826	1,977	1,393	1,526	433	451
25 to 34 years	483	507	383	394	100	113
35 to 44 years	628	674	463	501	166	173
45 to 54 years	715	796	547	630	168	166
55 to 64 years	734	730	619	610	116	120
55 to 59 years	392	394	329	624	63	70
60 to 64 years	343	336	290	285	53	50
65 years and over	486	463	428	415	59	48

HOUSEHOLD DATA

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

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 15-19 years		Female, 16-19 years	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total	78,671	76,364	45,649	45,000	27,069	25,847	3,207	3,075	2,745	2,442
White-collar workers	37,471	35,893	19,123	18,678	16,132	15,283	619	597	1,596	1,335
Professional and technical.....	11,111	10,546	6,876	6,509	4,056	3,871	99	96	81	70
Medical and other health.....	1,654	1,666	663	642	963	989	4	4	23	32
Teachers, except college.....	2,534	2,356	799	735	1,726	1,617	4	--	4	4
Other professional and technical.....	6,923	6,524	5,414	5,132	1,367	1,265	91	92	54	34
Managers, officials, and proprietors.....	8,037	7,947	6,717	6,630	1,280	1,282	23	19	17	16
Salaried workers.....	5,810	5,613	4,892	4,740	881	839	21	18	16	16
Self-employed workers in retail trade.....	1,041	1,122	787	836	252	287	1	--	1	--
Self-employed workers, except retail trade.....	1,186	1,212	1,039	1,054	147	157	1	2	--	--
Clerical workers.....	13,572	12,731	3,035	2,976	9,057	8,478	291	280	1,189	997
Stenographers, typists, and secretaries.....	3,468	3,313	52	42	3,067	2,974	3	7	346	290
Other clerical workers.....	10,104	9,419	2,983	2,934	5,990	5,504	288	273	843	707
Sales workers.....	4,750	4,668	2,496	2,563	1,739	1,652	206	201	310	252
Retail trade.....	2,885	2,767	901	925	1,526	1,435	166	167	292	241
Other sales workers.....	1,866	1,902	1,595	1,638	213	218	40	34	18	11
Blue-collar workers	28,454	27,684	21,469	21,031	4,871	4,602	1,821	1,753	292	298
Craftsmen and foremen.....	10,338	10,169	9,732	9,571	348	354	245	228	13	15
Carpenters.....	930	937	906	902	--	3	24	32	--	--
Construction craftsmen, except carpenters.....	1,982	1,960	1,919	1,911	20	18	44	31	--	--
Mechanics and repairmen.....	2,694	2,544	2,567	2,425	29	24	96	93	2	1
Metal craftsmen, except mechanics.....	1,287	1,259	1,242	1,223	20	17	22	19	2	--
Other craftsmen and kindred workers.....	1,960	2,019	1,740	1,782	161	182	51	43	8	12
Foremen, not elsewhere classified.....	1,485	1,448	1,359	1,327	119	110	7	8	--	3
Operatives.....	14,535	14,072	9,026	8,862	4,435	4,152	826	790	248	268
Drivers and deliverymen.....	2,625	2,582	2,369	2,355	120	92	132	127	4	8
Other operatives.....	11,910	11,490	6,658	6,507	4,315	4,060	695	663	243	260
Durable goods manufacturing.....	4,938	4,722	3,255	3,148	1,428	1,306	184	182	71	86
Non-durable goods manufacturing.....	3,963	3,866	1,584	1,574	2,121	2,048	137	113	121	131
Other industries.....	3,009	2,902	1,819	1,785	766	706	374	368	51	43
Nonfarm laborers.....	3,581	3,443	2,711	2,598	87	96	750	736	31	14
Construction.....	786	708	675	624	1	2	108	82	2	--
Manufacturing.....	1,039	1,011	865	835	51	57	113	118	10	1
Other industries.....	1,756	1,724	1,171	1,139	36	36	529	536	20	14
Service workers	9,528	9,397	2,666	2,812	5,509	5,362	524	456	829	768
Private household workers.....	1,608	1,676	29	18	1,282	1,351	7	10	290	297
Service workers, except private household.....	7,920	7,721	2,637	2,794	4,227	4,011	516	446	539	470
Protective service workers.....	925	931	855	871	53	46	10	8	7	5
Waiters, cooks, and bartenders.....	2,182	2,155	389	443	1,394	1,343	139	114	260	254
Other service workers.....	4,813	4,636	1,393	1,480	2,780	2,621	367	324	272	211
Farm workers	3,218	3,390	2,390	2,479	557	601	243	269	28	41
Farmers and farm managers.....	1,816	1,892	1,732	1,807	77	78	6	6	--	1
Farm laborers and foremen.....	1,402	1,498	658	672	480	522	237	264	28	41
Paid workers.....	912	981	619	621	144	171	137	160	13	30
Unpaid family workers.....	490	517	39	51	336	351	100	104	15	11

HOUSEHOLD DATA

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total						
Total employed (thousands)	78,671	76,364	48,857	48,074	29,814	28,289
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	47.6	47.0	40.4	40.1	59.5	58.7
Professional and technical	14.1	13.8	14.3	13.7	13.9	13.9
Managers, officials, and proprietors	10.2	10.4	13.8	13.8	4.4	4.6
Clerical workers	17.3	16.7	6.8	6.8	34.4	33.5
Sales workers	6.0	6.1	5.5	5.7	6.9	6.7
Blue-collar workers	36.2	36.3	47.7	47.4	17.3	17.3
Craftsmen and foremen	13.1	13.3	20.4	20.4	1.2	1.3
Operatives	18.5	18.4	20.2	20.1	15.7	15.6
Nonfarm laborers	4.6	4.5	7.1	6.9	.4	.4
Service workers	12.1	12.3	6.5	6.8	21.3	21.7
Private household workers	2.0	2.2	.1	.1	5.3	5.8
Other service workers	10.1	10.1	6.5	6.7	16.0	15.8
Farm workers	4.1	4.4	5.4	5.7	2.0	2.3
Farmers and farm managers	2.3	2.5	3.6	3.8	.3	.3
Farm laborers and foremen	1.8	2.0	1.8	1.9	1.7	2.0
White						
Total employed (thousands)	70,073	68,118	43,989	43,400	26,084	24,718
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.2	49.7	42.6	42.3	63.1	62.8
Professional and technical	14.8	14.6	15.0	14.5	14.3	14.7
Managers, officials, and proprietors	11.1	11.3	14.9	14.9	4.8	5.0
Clerical workers	17.8	17.2	6.7	6.7	36.5	35.7
Sales workers	6.6	6.6	6.0	6.2	7.5	7.4
Blue-collar workers	35.2	35.4	46.2	45.9	16.7	16.9
Craftsmen and foremen	13.7	13.9	21.1	21.1	1.3	1.4
Operatives	17.7	17.7	19.2	19.1	15.1	15.2
Nonfarm laborers	3.9	3.8	5.9	5.7	.4	.4
Service workers	10.4	10.4	5.8	6.0	18.3	18.1
Private household workers	1.3	1.4	.1	(1)	3.4	3.7
Other service workers	9.1	9.0	5.7	6.0	14.8	14.4
Farm workers	4.1	4.4	5.4	5.7	1.9	2.2
Farmers and farm managers	2.5	2.6	3.8	4.0	.3	.3
Farm laborers and foremen	1.6	1.8	1.6	1.7	1.6	1.9
Negro and other races						
Total employed (thousands)	8,598	8,246	4,868	4,675	3,730	3,571
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	26.3	24.4	20.3	19.3	34.1	31.0
Professional and technical	8.8	7.6	7.3	6.7	10.8	8.8
Managers, officials, and proprietors	2.8	2.8	3.8	3.8	1.4	1.4
Clerical workers	12.9	12.1	7.7	7.2	19.7	18.4
Sales workers	1.8	1.9	1.5	1.6	2.2	2.4
Blue-collar workers	43.7	43.3	60.8	61.1	21.4	20.0
Craftsmen and foremen	8.7	8.2	14.7	13.8	.9	.8
Operatives	25.0	24.6	28.7	29.3	20.1	18.6
Nonfarm laborers	10.0	10.5	17.4	18.0	.4	.6
Service workers	26.0	27.9	13.5	13.8	42.3	46.3
Private household workers	8.0	8.9	.2	.2	18.1	20.3
Other service workers	18.0	19.0	13.3	13.6	24.2	26.1
Farm workers	4.1	4.5	5.5	5.8	2.2	2.7
Farmers and farm managers .....	.9	1.1	1.5	1.7	.1	.1
Farm laborers and foremen	3.2	3.4	4.0	4.0	2.1	2.6

1 Less than 0.05.

HOUSEHOLD DATA

A-20: Employed persons by class of worker, sex, and age
October 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	69,352	1,815	12,431	55,106	5,213	545	1,198	1,865	498
16 to 19 years	5,550	378	503	4,669	68	37	173	10	115
16 and 17 years	2,267	304	156	1,808	38	22	100	6	84
18 and 19 years	3,283	74	347	2,861	30	15	73	3	31
20 to 24 years	8,970	81	1,531	7,358	160	21	142	52	22
25 to 34 years	14,816	168	2,631	12,016	767	71	207	219	57
35 to 44 years	14,423	255	2,679	11,489	1,105	121	207	317	105
45 to 54 years	14,410	339	2,972	11,100	1,406	185	202	419	93
55 to 64 years	9,057	365	1,779	6,913	1,152	91	177	481	77
55 to 59 years	5,537	192	1,088	4,256	651	59	103	245	44
60 to 64 years	3,520	173	691	2,657	501	32	74	236	33
65 years and over	2,125	229	336	1,561	555	19	90	367	29
Male	41,979	205	6,749	35,024	3,938	49	974	1,777	139
16 to 19 years	2,869	85	225	2,560	43	32	155	9	100
16 and 17 years	1,221	68	73	1,080	30	20	88	6	71
18 and 19 years	1,648	17	152	1,480	13	12	67	3	29
20 to 24 years	4,718	5	636	4,077	83	7	121	49	19
25 to 34 years	9,876	13	1,510	8,353	567	2	168	210	4
35 to 44 years	9,089	2	1,542	7,545	847	5	148	312	3
45 to 54 years	8,593	30	1,653	6,910	1,100	--	147	396	5
55 to 64 years	5,524	36	968	4,521	877	--	158	458	3
55 to 59 years	3,349	17	599	2,733	477	--	94	234	1
60 to 64 years	2,176	19	369	1,788	399	--	64	224	2
65 years and over	1,309	35	402	1,060	421	4	78	344	6
Female	27,373	1,609	5,682	20,082	1,275	496	224	88	358
16 to 19 years	2,681	293	278	2,109	25	5	18	1	15
16 and 17 years	1,046	236	83	728	8	2	12	--	13
18 and 19 years	1,635	58	195	1,382	17	3	7	--	2
20 to 24 years	4,252	76	895	3,281	77	14	22	3	3
25 to 34 years	4,940	155	1,121	3,664	199	69	39	9	52
35 to 44 years	5,334	253	1,138	3,944	259	117	58	5	102
45 to 54 years	5,818	309	1,319	4,190	305	185	55	23	89
55 to 64 years	3,532	329	811	2,392	276	91	19	23	74
55 to 59 years	2,188	175	489	1,523	174	59	9	10	43
60 to 64 years	1,344	154	322	869	101	32	10	12	31
65 years and over	816	194	121	501	135	15	12	23	23

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					
	Oct. 1969	Oct. 1968	Total		Wage and salary workers ¹			
			Oct. 1969	Oct. 1968	Paid absence ²		Unpaid absence ²	
					Oct. 1969	Oct. 1968	Oct. 1969	Oct. 1968
Total	3,206	2,876	3,106	2,777	1,556	1,261	1,284	1,262
Vacation	1,311	1,092	1,296	1,080	1,033	859	175	133
Illness	1,217	1,142	1,178	1,095	401	337	675	663
Bad weather	43	18	28	3	--	--	--	--
Industrial dispute	71	169	71	169	--	--	--	--
All other reasons	564	456	532	430	122	65	434	466
Male	2,025	1,841	1,931	1,752	1,092	894	677	721
Vacation	901	781	889	768	741	637	87	72
Illness	759	691	720	647	269	213	390	390
All other reasons	365	369	322	337	83	44	200	258
Female	1,182	1,035	1,175	1,025	461	368	606	541
Vacation	410	311	407	312	291	224	88	61
Illness	458	451	459	448	131	123	285	272
All other reasons	314	273	309	265	39	22	233	208

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

October 1969

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	75,464	72,004	3,460	100.0	100.0	100.0
1-34 hours	17,500	16,462	1,039	23.2	22.9	30.0
1-4 hours	685	642	43	.9	.9	1.2
5-14 hours	3,862	3,609	253	5.1	5.0	7.3
15-29 hours	8,000	7,420	581	10.6	10.3	16.8
30-34 hours	4,953	4,791	162	6.6	6.7	4.7
35 hours and over	57,965	55,543	2,422	76.8	77.1	70.0
35-39 hours	4,866	4,721	145	6.4	6.6	4.2
40 hours	29,792	29,452	340	39.5	40.9	9.8
41 hours and over	23,307	21,370	1,937	30.9	29.7	56.0
41 to 48 hours	9,612	9,314	298	12.7	12.9	8.6
49 to 59 hours	7,283	6,842	441	9.7	9.5	12.7
60 hours and over	6,412	5,214	1,198	8.5	7.2	34.6
Average hours, total at work	39.7	39.3	46.9	--	--	--
Average hours, workers on full-time schedules	43.9	43.4	56.3	--	--	--

HOUSEHOLD DATA

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

October 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.....	17,500	6,008	11,493	16,462	5,697	10,765
Economic reasons.....	1,955	1,082	873	1,740	950	790
Slack work.....	958	704	254	808	591	217
Material shortages or repairs to plant and equipment.....	100	100	--	92	92	--
New job started during week.....	190	190	--	183	183	--
Job terminated during week.....	88	88	--	85	85	--
Could find only part-time work.....	619	--	619	574	--	574
Other reasons.....	15,544	4,924	10,620	14,721	4,747	9,974
Does not want, or unavailable for, full-time work.....	8,455	--	8,455	8,002	--	8,002
Vacation.....	630	630	--	611	611	--
Illness.....	1,662	1,411	251	1,566	1,385	181
Bad weather.....	423	423	--	332	332	--
Industrial dispute.....	30	30	--	30	30	--
Legal or religious holiday.....	1,327	1,327	--	1,324	1,324	--
Full time for this job.....	1,316	--	1,316	1,280	--	1,280
All other reasons.....	1,703	1,105	598	1,577	1,065	512
Average hours:						
Economic reasons.....	21.1	23.9	17.7	21.3	24.2	17.9
Other reasons.....	20.6	26.8	17.7	20.8	27.2	17.7
Worked 30 to 34 hours:						
Economic reasons.....	574	441	133	546	417	129
Other reasons.....	4,379	2,843	1,536	4,245	2,786	1,459

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

October 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	2.4	13.9	83.7	54.1	12.9	16.7	39.3	43.4
Wage and salary workers ...	100.0	2.3	13.6	84.0	56.1	13.1	14.8	38.9	42.8
Construction ...	100.0	4.3	4.6	91.2	64.5	11.9	14.8	39.7	41.7
Manufacturing.....	100.0	2.3	3.2	94.5	63.3	17.1	14.1	41.3	42.5
Durable goods.....	100.0	1.5	2.1	96.4	63.5	18.0	14.9	42.0	42.7
Nondurable goods.....	100.0	3.6	4.8	91.6	62.8	15.9	12.9	40.4	42.1
Transportation and public utilities.....	100.0	1.7	6.9	91.4	61.5	12.8	17.1	41.3	43.4
Wholesale and retail trade.....	100.0	2.3	25.8	71.9	40.6	13.7	17.6	37.2	44.5
Finance, insurance, and real estate.....	100.0	1.3	9.5	89.2	66.7	10.2	12.3	39.0	41.3
Service industries.....	100.0	2.7	24.3	72.9	49.2	9.8	13.9	35.9	43.1
Private households.....	100.0	11.0	53.3	35.7	22.5	5.8	7.4	24.6	44.1
All other service.....	100.0	1.7	21.0	77.3	52.3	10.3	14.7	37.2	43.0
Public administration.....	100.0	.7	5.7	93.6	72.6	9.3	11.7	40.0	41.4
Self-employed workers.....	100.0	3.4	14.0	82.5	29.2	11.2	42.1	45.0	50.8
Unpaid family workers.....	100.0	2.9	40.0	57.0	26.2	6.2	24.6	37.4	48.9

^{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,
sex, age, color, and marital status
October 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	72,004	1,740	9,974	60,290	38,920	21,370	39.3	43.4
16 to 21 years	8,835	323	3,634	4,878	3,741	1,137	29.5	40.7
16 to 19 years	5,513	207	2,952	2,354	1,842	512	25.9	40.3
16 and 17 years	2,269	57	1,870	342	273	69	17.9	39.3
18 and 19 years	3,244	150	1,082	2,012	1,569	443	31.4	40.5
20 years and over	66,492	1,534	7,022	57,936	37,078	20,858	40.4	43.5
20 to 24 years	8,892	223	1,254	7,415	5,259	2,156	37.9	41.9
25 years and over	57,599	1,310	5,769	50,520	31,818	18,702	40.8	43.7
25 to 44 years	30,150	640	2,582	26,928	16,516	10,412	41.4	44.0
45 to 64 years	24,950	596	2,203	22,151	14,411	7,740	40.8	43.4
65 years and over	2,500	74	983	1,443	894	549	32.6	44.1
Males, 16 years and over								
16 to 21 years	4,407	176	1,905	2,326	1,577	749	29.9	42.2
16 to 19 years	2,856	118	1,574	1,164	843	321	26.3	41.3
16 and 17 years	1,231	38	995	198	152	46	19.2	39.8
18 and 19 years	1,625	80	579	966	691	275	31.8	41.6
20 years and over	41,179	718	1,715	38,746	21,941	16,805	43.5	45.0
20 to 24 years	4,697	97	590	4,010	2,432	1,578	39.8	43.7
25 years and over	36,482	622	1,125	34,735	19,506	15,229	43.9	45.1
25 to 44 years	19,666	297	272	19,097	10,316	8,781	44.8	45.5
45 to 64 years	15,226	273	316	14,637	8,590	6,047	43.8	44.7
65 years and over	1,590	51	536	1,003	602	401	34.3	44.2
Females, 16 years and over								
16 to 21 years	4,428	147	1,729	2,552	2,167	385	29.0	39.4
16 to 19 years	2,656	89	1,378	1,189	998	191	25.4	39.4
16 and 17 years	1,037	19	875	143	120	23	16.5	38.6
18 and 19 years	1,619	70	503	1,046	878	168	31.1	39.5
20 years and over	25,313	816	5,308	19,189	15,137	4,052	35.4	40.6
20 to 24 years	4,195	126	664	3,405	2,827	578	35.7	39.7
25 years and over	21,117	690	4,643	15,784	12,309	3,475	35.4	40.8
25 to 44 years	10,484	343	2,310	7,831	6,197	1,634	35.1	40.4
45 to 64 years	9,723	323	1,886	7,514	5,821	1,693	36.2	41.0
65 years and over	910	24	447	439	291	148	29.6	43.9
COLOR								
White	64,161	1,340	8,958	53,863	34,047	19,816	39.5	43.6
Male	39,669	648	3,017	36,004	20,004	16,000	42.6	45.1
Female	24,492	692	5,941	17,859	14,044	3,815	34.5	40.6
Negro and other races	7,844	401	1,016	6,427	4,873	1,554	37.6	41.6
Male	4,367	188	272	3,907	2,780	1,127	40.1	42.6
Female	3,477	211	744	2,522	2,095	427	34.4	40.1
MARITAL STATUS								
Male:								
Married, wife present	34,549	489	1,016	33,044	18,191	14,853	44.2	45.2
Widowed, divorced, or separated	2,343	100	150	2,093	1,277	816	41.6	44.1
Single (never married)	7,143	248	2,123	4,772	3,314	1,458	33.9	42.6
Female:								
Married, husband present	16,469	550	3,965	11,954	9,546	2,408	34.6	40.3
Widowed, divorced, or separated	5,284	206	899	4,179	3,146	1,033	36.7	41.3
Single (never married)	6,215	147	1,821	4,247	3,444	803	32.3	40.3

HOUSEHOLD DATA

A-25: Persons at work in nonagricultural industries by full- or part-time status, sex, age, color, and marital status--Continued
October 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	2.4	13.9	83.8	54.1	29.7
16 to 21 years.....	100.0	3.7	41.1	55.2	42.3	12.9
16 to 19 years.....	100.0	3.8	53.5	42.7	33.4	9.3
16 and 17 years.....	100.0	2.5	82.4	15.0	12.0	3.0
18 and 19 years.....	100.0	4.6	33.4	62.1	48.4	13.7
20 years and over.....	100.0	2.3	10.6	87.2	55.8	31.4
20 to 24 years.....	100.0	2.5	14.1	83.3	59.1	24.2
25 years and over.....	100.0	2.3	10.0	87.7	55.2	32.5
25 to 44 years.....	100.0	2.1	8.6	89.3	54.8	34.5
45 to 64 years.....	100.0	2.4	8.8	88.8	57.8	31.0
65 years and over.....	100.0	3.0	39.3	57.8	35.8	22.0
Males, 16 years and over.....	100.0	1.9	7.5	90.6	51.7	38.9
16 to 21 years.....	100.0	4.0	43.2	52.8	35.8	17.0
16 to 19 years.....	100.0	4.1	55.1	40.7	29.5	11.2
16 and 17 years.....	100.0	3.1	80.8	16.0	12.3	3.7
18 and 19 years.....	100.0	4.9	35.6	59.4	42.5	16.9
20 years and over.....	100.0	1.7	4.2	94.1	53.3	40.8
20 to 24 years.....	100.0	2.1	12.6	85.4	51.8	33.6
25 years and over.....	100.0	1.7	3.1	95.2	53.5	41.7
25 to 44 years.....	100.0	1.5	1.4	97.2	52.5	44.7
45 to 64 years.....	100.0	1.8	2.1	96.1	56.4	39.7
65 years and over.....	100.0	3.2	33.7	63.1	37.9	25.2
Females, 16 years and over.....	100.0	3.2	23.9	72.9	57.7	15.2
16 to 21 years.....	100.0	3.3	39.0	57.6	48.9	8.7
16 to 19 years.....	100.0	3.4	51.9	44.8	37.6	7.2
16 and 17 years.....	100.0	1.8	84.4	13.8	11.6	2.2
18 and 19 years.....	100.0	4.3	31.1	64.6	54.2	10.4
20 years and over.....	100.0	3.2	21.0	75.8	59.8	16.0
20 to 24 years.....	100.0	3.0	15.8	81.2	67.4	13.8
25 years and over.....	100.0	3.3	22.0	74.8	58.3	16.5
25 to 44 years.....	100.0	3.3	22.0	74.7	59.1	15.6
45 to 64 years.....	100.0	3.3	19.4	77.3	59.9	17.4
65 years and over.....	100.0	2.6	49.1	48.3	32.0	16.3
COLOR						
White.....	100.0	2.1	14.0	84.0	53.1	30.9
Male.....	100.0	1.6	7.6	90.7	50.4	40.3
Female.....	100.0	2.8	24.3	72.9	57.3	15.6
Negro and other races.....	100.0	5.1	13.0	81.9	62.1	19.8
Male.....	100.0	4.3	6.2	89.5	63.7	25.8
Female.....	100.0	6.1	21.4	72.6	60.3	12.3
MARITAL STATUS						
Male:						
Married, wife present.....	100.0	1.4	2.9	95.7	52.7	43.0
Widowed, divorced, or separated.....	100.0	4.3	6.4	89.3	54.5	34.8
Single (never married).....	100.0	3.5	29.7	66.8	46.4	20.4
Female:						
Married, husband present.....	100.0	3.3	24.1	72.6	58.0	14.6
Widowed, divorced, or separated.....	100.0	3.9	17.0	79.0	59.5	19.5
Single (never married).....	100.0	2.4	29.3	68.3	55.4	12.9

HOUSEHOLD DATA

A-26: Persons at work in nonfarm occupations by full- or part-time status and sex
October 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.....	36,046	418	5,106	30,522	19,290	4,137	7,095	39.9	43.9
Professional and technical	10,767	76	1,284	9,407	5,766	1,343	2,298	40.5	44.0
Managers, officials, and proprietors.....	7,689	74	331	7,284	2,930	1,129	3,225	47.7	49.3
Clerical workers	13,013	172	2,273	10,468	8,746	1,156	666	36.0	40.0
Sales workers.....	4,578	95	1,219	3,264	1,852	508	904	36.7	44.5
Blue-collar workers.....	27,151	990	1,908	24,253	15,846	4,302	4,105	40.4	42.8
Craftsmen and foremen.....	9,832	223	337	9,272	5,806	1,742	1,724	41.8	43.1
Operatives	13,881	540	946	12,395	8,169	2,182	2,044	40.5	42.9
Nonfarm laborers.....	3,438	227	624	2,587	1,872	378	337	35.4	41.5
Service workers.....	9,138	346	3,006	5,786	3,893	915	978	33.7	43.3
Private household.....	1,576	155	852	569	360	94	115	25.0	44.1
Other service workers.....	7,562	191	2,154	5,217	3,533	821	863	35.5	43.2
MALE									
White-collar workers.....	19,000	147	1,234	17,619	8,924	2,778	5,917	44.4	46.5
Professional and technical	6,735	39	449	6,247	3,588	885	1,774	43.0	45.1
Managers, officials, and proprietors	6,460	54	176	6,230	2,327	971	2,932	48.8	49.9
Clerical workers	3,188	31	298	2,859	1,950	510	399	39.7	42.2
Sales workers	2,617	22	310	2,285	1,062	412	811	42.7	46.4
Blue-collar workers.....	22,235	656	1,416	20,163	12,546	3,706	3,911	41.2	43.5
Craftsmen and foremen.....	9,491	208	298	8,985	5,584	1,691	1,710	42.0	43.2
Operatives	9,423	232	517	8,674	5,167	1,640	1,867	42.3	44.2
Nonfarm laborers.....	3,320	216	602	2,502	1,793	375	334	35.5	41.6
Service workers.....	3,051	39	655	2,357	1,401	410	546	38.8	45.4
Private household.....	34	5	13	16	9	4	3	29.5	49.0
Other service workers	3,017	35	642	2,340	1,391	406	543	38.9	45.3
FEMALE									
White-collar workers.....	17,046	271	3,873	12,902	10,365	1,359	1,178	35.0	40.4
Professional and technical	4,031	36	835	3,160	2,178	458	524	36.4	41.8
Managers, officials, and proprietors	1,229	20	154	1,055	604	158	293	41.9	45.4
Clerical workers	9,825	140	1,975	7,710	6,796	647	267	34.8	39.2
Sales workers	1,961	73	908	980	790	96	94	28.8	39.9
Blue-collar workers.....	4,916	334	492	4,090	3,301	595	194	36.7	39.7
Craftsmen and foremen.....	341	16	39	286	221	51	14	37.3	39.9
Operatives	4,458	307	430	3,721	3,002	542	177	36.8	39.7
Nonfarm laborers.....	118	11	23	84	78	3	3	32.9	38.4
Service workers.....	6,087	307	2,350	3,430	2,493	505	432	31.2	41.9
Private household.....	1,542	151	838	553	352	89	112	24.9	43.9
Other service workers	4,545	156	1,512	2,877	2,142	415	320	33.3	41.5

HOUSEHOLD DATA

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

October 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	1.2	14.2	84.7	53.5	11.5	19.7
Professional and technical	100.0	.7	11.9	87.4	53.6	12.5	21.3
Managers, officials, and proprietors	100.0	1.0	4.3	94.7	38.1	14.7	41.9
Clerical workers	100.0	1.3	17.5	81.2	67.2	8.9	5.1
Sales workers	100.0	2.1	26.6	71.3	40.5	11.1	19.7
Blue-collar workers	100.0	3.6	7.0	89.3	58.4	15.8	15.1
Craftsmen and foremen	100.0	2.3	3.4	94.3	59.1	17.7	17.5
Operatives	100.0	3.9	6.8	89.3	58.9	15.7	14.7
Nonfarm laborers	100.0	6.6	18.2	75.3	54.5	11.0	9.8
Service workers	100.0	3.8	32.9	63.3	42.6	10.0	10.7
Private household	100.0	9.8	54.1	36.1	22.8	6.0	7.3
Other service workers	100.0	2.5	28.5	69.0	46.7	10.9	11.4
MALE							
White-collar workers	100.0	.8	6.5	92.7	47.0	14.6	31.1
Professional and technical	100.0	.6	6.7	92.7	53.3	13.1	26.3
Managers, officials, and proprietors	100.0	.8	2.7	96.4	36.0	15.0	45.4
Clerical workers	100.0	1.0	9.3	89.7	61.2	16.0	12.5
Sales workers	100.0	.8	11.8	87.3	40.6	15.7	31.0
Blue-collar workers	100.0	3.0	6.4	90.7	56.4	16.7	17.6
Craftsmen and foremen	100.0	2.2	3.1	94.6	58.8	17.8	18.0
Operatives	100.0	2.5	5.5	92.0	54.8	17.4	19.8
Nonfarm laborers	100.0	6.5	18.1	75.4	54.0	11.3	10.1
Service workers	100.0	1.3	21.5	77.2	45.9	13.4	17.9
Private household	100.0	14.7	38.2	47.1	26.5	11.8	8.8
Other service workers	100.0	1.2	21.3	77.6	46.1	13.5	18.0
FEMALE							
White-collar workers	100.0	1.6	22.7	75.7	60.8	8.0	6.9
Professional and technical	100.0	.9	20.7	78.4	54.0	11.4	13.0
Managers, officials, and proprietors	100.0	1.6	12.5	85.8	49.1	12.9	23.8
Clerical workers	100.0	1.4	20.1	78.5	69.2	6.6	2.7
Sales workers	100.0	3.7	46.3	50.0	40.3	4.9	4.8
Blue-collar workers	100.0	6.8	10.0	83.1	67.1	12.1	3.9
Craftsmen and foremen	100.0	4.7	11.4	83.9	64.8	15.0	4.1
Operatives	100.0	6.9	9.6	83.5	67.3	12.2	4.0
Nonfarm laborers	100.0	9.3	19.5	71.1	66.1	2.5	2.5
Service workers	100.0	5.0	38.6	56.4	41.0	8.3	7.1
Private household	100.0	9.8	54.3	35.9	22.8	5.8	7.3
Other service workers	100.0	3.4	33.3	63.2	47.1	9.1	7.0

HOUSEHOLD DATA

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

October 1969

(In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Civilian noninstitutional population.....	7,887	3,997	3,890	6,781	3,448	3,333	1,106	549	557
Civilian labor force.....	1,206	679	527	1,119	625	493	88	54	34
Employed.....	1,108	630	478	1,038	582	457	70	49	21
Agriculture.....	121	96	25	116	97	19	5	--	5
Nonagricultural industries.....	987	534	453	922	484	437	65	49	16
Unemployed.....	98	49	49	80	44	37	18	5	13
Not in labor force.....	6,681	3,318	3,363	5,663	2,822	2,840	1,018	495	523
Keeping house.....	62	15	47	52	14	39	10	2	8
Going to school.....	6,453	3,205	3,247	5,471	2,732	2,738	982	473	509
Unable to work.....	9	6	3	6	5	2	3	1	1
All other reasons.....	157	91	66	134	72	62	23	19	4

A-28: Employed 14- 15 year-olds by sex, class of worker, and major occupation group October 1969

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,108	630	478	100.0	100.0	100.0
Nonagricultural industries.....	987	534	453	89.2	84.8	94.8
Wage and salary workers.....	902	460	442	81.5	72.9	92.7
Private household workers.....	421	89	332	38.0	14.1	69.6
Government workers.....	35	23	12	3.2	3.6	2.5
Other wage and salary workers.....	446	348	98	40.3	55.2	20.5
Self-employed workers.....	81	73	8	7.3	11.6	1.7
Unpaid family workers.....	4	2	2	.4	.3	.4
Agriculture.....	121	96	25	10.8	15.2	5.2
Wage and salary workers.....	57	48	9	5.1	7.6	1.9
Self-employed workers.....	5	4	2	.5	.6	.4
Unpaid family workers.....	58	44	14	5.2	7.0	2.9
OCCUPATION						
Total.....	1,108	630	478	100.0	100.0	100.0
White-collar workers.....	255	200	55	23.0	31.7	11.7
Professional and technical.....	13	4	9	1.2	.6	1.9
Managers, officials, and proprietors.....	1	1	--	.1	.2	--
Clerical workers.....	37	19	19	3.3	3.0	4.0
Sales workers.....	204	176	28	18.4	27.9	5.8
Blue-collar workers.....	242	227	15	21.8	36.1	3.3
Craftsmen and foremen.....	7	8	--	.6	1.3	--
Operatives.....	60	51	10	5.4	8.1	2.1
Nonfarm laborers.....	174	169	6	15.7	26.8	1.2
Service workers.....	497	113	384	45.0	17.9	80.2
Private household workers.....	348	15	333	31.4	2.4	69.4
Other service workers.....	150	98	52	13.6	15.5	10.8
Farm workers.....	113	90	23	10.2	14.3	4.8
Farmers and farm managers.....	3	3	--	.3	.5	--
Farm laborers and foremen.....	110	87	23	9.9	13.8	4.8

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		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Total													
Total labor force	85,014	84,902	84,584	84,277	83,957	83,593	83,966	83,999	83,831	83,351	82,868	82,559	82,403
Civilian labor force	81,486	81,359	81,054	80,756	80,433	80,071	80,450	80,495	80,356	79,874	79,368	79,042	78,800
Employed	78,325	78,127	78,187	77,874	77,671	77,265	77,605	77,767	77,729	77,229	76,765	76,388	76,002
Agriculture	3,332	3,458	3,634	3,551	3,705	3,805	3,664	3,732	3,881	3,752	3,842	3,706	3,525
Nonagricultural industries	74,993	74,669	74,553	74,323	73,966	73,460	73,941	74,035	73,848	73,477	72,923	72,682	72,477
On part time for economic reasons	1,931	1,982	2,001	1,795	1,874	1,688	1,670	1,801	1,638	1,605	1,673	1,711	1,687
Usually work full time	1,012	1,091	1,065	881	1,030	862	858	979	870	805	872	852	907
Usually work part time	919	891	936	914	844	826	812	822	768	800	801	859	780
Unemployed	3,161	3,232	2,867	2,882	2,762	2,806	2,845	2,728	2,627	2,645	2,603	2,654	2,798
Men, 20 years and over													
Total labor force	49,595	49,624	49,552	49,389	49,304	49,267	49,286	49,378	49,336	49,189	49,132	48,926	48,911
Civilian labor force	46,552	46,568	46,507	46,322	46,206	46,171	46,195	46,297	46,280	46,131	46,093	45,871	45,782
Employed	45,424	45,442	45,551	45,293	45,260	45,227	45,285	45,422	45,422	45,231	45,254	44,940	44,773
Agriculture	2,531	2,570	2,693	2,646	2,676	2,731	2,681	2,706	2,732	2,680	2,763	2,753	2,656
Nonagricultural industries	42,893	42,872	42,858	42,647	42,584	42,496	42,604	42,716	42,690	42,551	42,491	42,187	42,117
Unemployed	1,128	1,126	956	1,029	946	944	910	875	858	900	839	931	1,009
Women, 20 years and over													
Civilian labor force	27,817	27,686	27,677	27,511	27,262	27,049	27,205	27,189	27,230	26,950	26,737	26,630	26,480
Employed	26,711	26,519	26,622	26,505	26,251	26,046	26,169	26,228	26,264	25,999	25,802	25,702	25,495
Agriculture	514	511	578	540	617	627	609	638	731	691	722	621	541
Nonagricultural industries	26,197	26,008	26,044	25,965	25,634	25,419	25,560	25,590	25,533	25,308	25,080	25,081	24,954
Unemployed	1,106	1,167	1,055	1,006	1,011	1,003	1,036	961	966	951	935	928	985
Both sexes, 16-19 years													
Civilian labor force	7,117	7,105	6,870	6,923	6,965	6,851	7,050	7,009	6,846	6,793	6,538	6,541	6,538
Employed	6,190	6,166	6,014	6,076	6,160	5,992	6,151	6,117	6,043	5,999	5,709	5,746	5,734
Agriculture	287	377	363	365	412	447	374	388	418	381	357	332	328
Nonagricultural industries	5,903	5,789	5,651	5,711	5,748	5,545	5,777	5,729	5,625	5,618	5,352	5,414	5,406
Unemployed	927	939	856	847	805	859	899	892	803	794	829	795	804

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.

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		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Full time													
Total, 16 years and over:													
Civilian labor force	70,153	70,271	70,108	69,818	69,434	69,177	69,389	69,332	69,427	67,918	68,809	68,556	68,310
Employed	67,896	67,914	67,948	67,653	67,269	67,042	67,167	67,287	67,390	65,860	66,902	66,548	66,249
Unemployed	2,257	2,357	2,160	2,165	2,165	2,136	2,222	2,045	2,037	2,058	1,907	2,008	2,061
Unemployment rate	3.2	3.4	3.1	3.1	3.1	3.1	3.2	2.9	2.9	3.0	2.8	2.9	3.0
Men, 20 years and over:													
Civilian labor force	44,415	44,470	44,306	44,201	44,129	44,090	44,093	44,166	44,218	43,177	44,064	43,870	43,818
Employed	43,426	43,481	43,472	43,303	43,255	43,246	43,251	43,376	43,465	42,367	43,319	43,030	42,905
Unemployed	989	989	834	898	874	844	842	790	753	810	745	840	913
Unemployment rate	2.2	2.2	1.9	2.0	2.0	1.9	1.9	1.8	1.7	1.9	1.7	1.9	2.1
Women, 20 years and over:													
Civilian labor force	21,911	21,852	21,992	21,781	21,558	21,489	21,562	21,527	21,523	21,139	21,201	21,126	20,960
Employed	21,104	20,992	21,125	20,984	20,722	20,681	20,710	20,726	20,735	20,423	20,460	20,378	20,240
Unemployed	807	860	867	797	836	808	852	801	788	716	741	748	720
Unemployment rate	3.7	3.9	3.9	3.7	3.9	3.8	4.0	3.7	3.7	3.4	3.5	3.5	3.4
Part time													
Total, 16 years and over:													
Civilian labor force	11,285	11,066	10,978	10,885	10,914	10,764	10,984	10,994	10,815	11,075	10,681	10,566	10,458
Employed	10,507	10,296	10,236	10,185	10,342	10,078	10,323	10,322	10,187	10,403	9,953	9,895	9,824
Unemployed	778	770	742	700	572	686	661	672	628	672	728	671	634
Unemployment rate	6.9	7.0	6.8	6.4	5.2	6.4	6.0	6.1	5.8	6.1	6.8	6.4	6.1

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		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	
White														
Total:														
Civilian labor force	72,368	72,288	71,837	71,657	71,437	71,137	71,589	71,688	71,475	71,101	70,669	70,444	70,050	
Employed	69,848	69,690	69,548	69,350	69,275	68,915	69,366	69,494	69,376	68,984	68,584	68,332	67,899	
Unemployed	2,520	2,598	2,289	2,307	2,162	2,222	2,223	2,194	2,099	2,117	2,088	2,112	2,151	
Unemployment rate	3.5	3.6	3.2	3.2	3.0	3.1	3.1	3.1	2.9	3.0	3.0	3.0	3.1	
Males, 20 years and over:														
Civilian labor force	41,925	41,972	41,876	41,704	41,614	41,547	41,674	41,765	41,749	41,601	41,618	41,384	41,282	
Employed	40,981	41,044	41,093	40,850	40,835	40,759	40,938	41,029	41,038	40,878	40,943	40,616	40,474	
Unemployed	944	928	783	854	779	788	736	736	711	723	675	768	808	
Unemployment rate	2.3	2.2	1.9	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.9	2.0	
Females, 20 years and over:														
Civilian labor force	24,150	24,003	23,953	23,866	23,686	23,530	23,656	23,681	23,656	23,466	23,208	23,230	22,976	
Employed	23,285	23,093	23,112	23,084	22,885	22,750	22,877	22,936	22,879	22,683	22,476	22,480	22,279	
Unemployed	865	910	841	782	801	780	779	745	777	783	732	750	749	
Unemployment rate	3.6	3.8	3.5	3.3	3.4	3.3	3.3	3.1	3.3	3.3	3.2	3.2	3.3	
Both sexes, 16 to 19 years:														
Civilian labor force	6,293	6,313	6,008	6,087	6,137	6,060	6,259	6,242	6,070	6,034	5,843	5,830	5,792	
Employed	5,582	5,553	5,343	5,416	5,555	5,406	5,551	5,529	5,459	5,423	5,162	5,236	5,198	
Unemployed	711	760	665	671	582	654	708	713	611	611	681	594	594	
Unemployment rate	11.3	12.0	11.1	11.0	9.5	10.8	11.3	11.4	10.1	10.1	11.7	10.2	10.3	
Negro and other races														
Total:														
Civilian labor force	8,957	8,910	9,114	8,928	8,879	8,790	8,892	8,952	8,946	8,942	8,855	8,689	8,629	
Employed	8,340	8,300	8,520	8,353	8,255	8,221	8,276	8,416	8,435	8,402	8,323	8,120	7,997	
Unemployed	617	609	594	575	624	569	616	536	511	540	532	569	632	
Unemployment rate	6.9	6.8	6.5	6.4	7.0	6.5	6.9	6.0	5.7	6.0	5.7	6.5	7.3	
Males, 20 years and over:														
Civilian labor force	4,585	4,594	4,626	4,574	4,567	4,551	4,516	4,566	4,563	4,559	4,544	4,509	4,466	
Employed	4,394	4,401	4,456	4,402	4,384	4,395	4,347	4,422	4,417	4,384	4,387	4,341	4,258	
Unemployed	191	193	170	172	183	156	169	144	146	175	157	168	208	
Unemployment rate	4.2	4.2	3.7	3.8	4.0	3.4	3.7	3.2	3.2	3.8	3.5	3.7	4.7	
Females, 20 years and over:														
Civilian labor force	3,568	3,562	3,658	3,555	3,526	3,469	3,579	3,559	3,583	3,561	3,534	3,445	3,424	
Employed	3,360	3,326	3,422	3,330	3,310	3,270	3,320	3,346	3,394	3,384	3,330	3,242	3,215	
Unemployed	208	236	236	225	216	199	259	213	189	177	204	203	209	
Unemployment rate	5.8	6.6	6.5	6.3	6.1	5.7	7.2	6.0	5.3	5.0	5.8	5.9	6.1	
Both sexes, 16 to 19 years:														
Civilian labor force	804	754	830	799	786	770	797	827	800	822	777	735	739	
Employed	586	573	642	621	561	556	609	648	624	634	606	537	524	
Unemployed	218	180	188	178	225	214	188	179	176	188	171	198	215	
Unemployment rate	27.1	23.9	22.7	22.3	28.6	27.8	23.6	21.6	22.0	22.9	22.0	26.9	29.1	

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-32: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1969										1968		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Total (all civilian workers).....	3.9	4.0	3.5	3.6	3.4	3.5	3.5	3.4	3.3	3.3	3.3	3.4	3.6
Men, 20 years and over.....	2.4	2.4	2.1	2.2	2.0	2.0	2.0	1.9	1.9	2.0	1.8	2.0	2.2
Women, 20 years and over.....	4.0	4.2	3.8	3.7	3.7	3.7	3.8	3.5	3.5	3.5	3.5	3.5	3.7
Both sexes, 16-19 years.....	13.0	13.2	12.5	12.2	11.6	12.5	12.8	12.7	11.7	11.7	12.7	12.2	12.3
White workers.....	3.5	3.6	3.2	3.2	3.0	3.1	3.1	3.1	2.9	3.0	3.0	3.0	3.1
Negro and other races.....	6.9	6.8	6.5	6.4	7.0	6.5	6.9	6.0	5.7	6.0	6.0	6.5	7.3
Married men.....	1.7	1.7	1.5	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.6	1.6
Full-time workers.....	3.2	3.4	3.1	3.1	3.1	3.1	3.2	2.9	2.8	2.9	2.7	3.0	3.0
Part-time workers.....	6.9	7.0	6.8	6.4	5.2	6.4	6.0	6.1	5.8	6.1	6.8	6.4	6.1
Unemployed 15 weeks and over ¹.....	.5	.5	.5	.5	.5	.5	.5	.4	.4	.4	.4	.4	.5
State insured ²	2.2	2.2	2.1	2.2	2.1	2.0	2.1	2.1	2.2	2.1	2.0	2.2	2.1
Labor force time lost ³	4.4	4.4	4.1	4.1	3.9	3.5	3.7	3.7	3.6	3.6	3.6	3.8	3.9
Occupation													
White-collar workers.....	2.4	2.2	2.2	2.2	2.1	1.9	1.8	2.0	1.9	1.9	1.9	2.0	2.0
Professional and technical.....	1.7	1.5	1.3	1.5	1.3	1.4	1.1	1.2	1.1	.9	1.1	1.1	1.3
Managers, officials, and proprietors.....	.9	1.1	1.0	.8	1.0	.9	.8	.9	.9	1.1	.9	1.0	1.2
Clerical workers.....	3.3	3.3	3.3	3.2	3.0	2.8	2.4	3.1	2.7	3.0	2.7	3.1	2.6
Sales workers.....	3.6	2.8	2.9	3.3	2.9	2.6	3.3	2.9	3.3	2.6	2.9	2.5	3.2
Blue-collar workers.....	4.3	4.4	3.8	3.8	3.7	3.8	4.1	3.7	3.6	3.8	3.6	3.9	4.0
Craftsmen and foremen.....	2.4	2.6	2.2	1.9	1.9	2.4	2.2	2.2	2.1	2.1	1.9	2.3	2.2
Operatives.....	5.0	4.8	4.1	4.2	4.3	4.0	4.6	3.9	4.2	4.2	4.2	4.3	4.3
Nonfarm laborers.....	6.8	7.7	6.9	7.5	5.9	6.4	6.8	7.0	5.5	6.6	6.1	6.8	7.3
Service workers.....	4.4	4.9	4.5	4.3	4.5	4.2	4.5	3.8	3.8	4.2	4.2	4.2	4.7
Farm workers.....	1.8	2.0	2.0	2.9	2.0	1.7	1.9	2.1	1.1	1.5	1.7	1.3	2.0
Industry													
Private wage and salary workers ⁴	3.8	4.0	3.6	3.6	3.5	3.5	3.6	3.4	3.3	3.4	3.3	3.4	3.6
Construction.....	7.3	7.6	7.4	5.7	5.0	5.5	6.2	6.2	5.5	5.5	5.4	6.5	6.0
Manufacturing.....	3.7	3.7	2.9	3.2	3.3	3.1	3.2	3.1	2.9	3.2	2.8	3.2	3.4
Durable goods.....	3.3	3.3	2.3	3.2	3.3	2.9	3.0	2.7	2.4	2.7	2.6	3.1	3.2
Nondurable goods.....	4.2	4.4	3.8	3.2	3.3	3.4	3.4	3.7	3.6	3.9	3.3	3.3	3.6
Transportation and public utilities.....	2.8	2.0	2.0	1.9	1.9	2.8	2.3	2.4	1.8	1.8	1.6	2.1	2.2
Wholesale and retail trade.....	4.3	4.7	4.4	4.1	4.2	3.9	4.2	3.8	3.9	3.8	4.1	3.9	4.0
Finance and service industries.....	3.2	3.5	3.5	3.7	3.2	3.4	3.3	2.9	3.1	3.1	3.2	3.0	3.4
Government wage and salary workers.....	2.5	1.9	1.9	1.9	1.8	1.7	1.6	1.6	1.7	1.8	1.7	1.8	1.7
Agricultural wage and salary workers.....	6.6	7.4	7.0	9.1	5.5	4.9	5.7	5.9	4.1	5.8	5.7	4.5	5.8

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		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	
Less than 5 weeks	1,857	1,818	1,636	1,677	1,591	1,777	1,724	1,646	1,436	1,476	1,363	1,576	1,542	
5 to 14 weeks	948	1,000	861	830	813	629	737	757	829	741	825	785	892	
15 weeks and over	370	389	382	419	383	409	393	355	346	316	322	348	381	
15 to 26 weeks	240	233	244	244	258	278	254	237	237	193	177	221	253	
27 weeks and over	130	156	138	175	125	131	139	118	109	123	145	127	128	

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

Age and sex	1969											1968		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	
Total, 16 years and over.....	3.9	4.0	3.5	3.6	3.4	3.5	3.5	3.4	3.3	3.3	3.3	3.4	3.6	
16 to 19 years	13.0	13.2	12.5	12.2	11.6	12.5	12.8	12.7	11.7	11.7	12.7	12.2	12.3	
16 and 17 years	16.8	16.7	16.1	14.7	13.4	13.8	14.5	14.0	13.1	13.5	15.0	13.7	14.6	
18 and 19 years	10.6	10.8	9.9	10.4	10.0	11.8	11.5	11.6	11.1	10.5	10.9	10.5	10.8	
20 to 24 years	6.5	6.7	5.4	5.9	5.3	5.4	5.7	5.3	5.5	5.2	5.3	5.9	6.1	
25 years and over	2.4	2.5	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.1	2.2	
25 to 54 years	2.4	2.5	2.4	2.3	2.3	2.3	2.3	2.2	2.0	2.2	2.0	2.2	2.3	
55 years and over	2.4	2.3	2.0	2.1	2.0	1.7	2.0	1.9	2.0	1.9	2.1	2.1	2.1	
Males, 16 years and over.....	3.2	3.2	2.7	3.0	2.7	2.7	2.7	2.6	2.6	2.7	2.6	2.7	2.9	
16 to 19 years	12.2	12.1	11.1	12.0	10.4	11.0	11.4	11.5	11.0	11.8	11.6	11.3	11.7	
16 and 17 years	15.1	15.0	15.7	14.7	12.7	13.9	12.6	12.9	12.5	13.2	14.2	13.7	14.1	
18 and 19 years	10.0	9.6	7.6	10.0	8.3	8.8	10.4	10.2	9.5	10.6	9.5	8.6	10.0	
20 to 24 years	6.5	6.3	4.5	5.5	4.8	4.8	4.7	4.5	4.9	5.0	4.2	4.7	5.7	
25 years and over	1.9	1.9	1.7	1.8	1.6	1.7	1.6	1.6	1.5	1.6	1.5	1.7	1.8	
25 to 54 years	1.8	1.8	1.7	1.7	1.6	1.8	1.6	1.5	1.4	1.5	1.4	1.7	1.7	
55 years and over	2.2	2.0	2.0	2.0	1.8	1.6	1.7	1.8	1.7	1.9	1.9	2.0	2.0	
Females, 16 years and over.....	5.0	5.3	4.9	4.6	4.7	4.8	4.9	4.6	4.5	4.3	4.5	4.4	4.6	
16 to 19 years	14.0	14.6	14.1	12.5	12.9	14.5	14.5	14.3	12.7	11.6	14.1	13.3	13.1	
16 and 17 years	19.0	19.2	16.7	14.8	14.3	13.5	16.9	15.6	13.9	14.0	16.2	13.7	15.3	
18 and 19 years	11.2	12.1	12.3	10.8	11.9	15.2	12.7	13.3	13.0	10.4	12.6	12.8	11.8	
20 to 24 years	6.5	7.1	6.4	6.3	5.9	6.1	6.8	6.3	6.1	5.5	6.5	7.2	6.6	
25 years and over	3.4	3.5	3.3	3.2	3.3	3.1	3.2	3.0	3.1	3.2	2.9	2.9	3.1	
25 to 54 years	3.6	3.7	3.6	3.5	3.6	3.4	3.6	3.3	3.2	3.4	3.1	3.1	3.3	
55 years and over	2.6	2.7	2.1	2.3	2.3	1.8	2.4	1.9	2.5	1.9	2.4	2.5	2.4	

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	1969											1968		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	
Total														
16 years and over	78,325	78,127	78,187	77,874	77,671	77,265	77,605	77,767	77,729	77,229	76,765	76,388	76,002	
16 to 19 years	6,190	6,166	6,014	6,076	6,160	5,992	6,151	6,117	6,043	5,999	5,709	5,746	5,734	
16 and 17 years	2,612	2,601	2,457	2,509	2,548	2,512	2,652	2,660	2,570	2,524	2,394	2,373	2,366	
18 and 19 years	3,568	3,546	3,526	3,509	3,594	3,443	3,518	3,533	3,492	3,527	3,364	3,387	3,370	
20 to 24 years	9,430	9,408	9,493	9,365	9,384	9,176	9,237	9,222	9,165	9,026	8,955	8,914	8,827	
25 years and over	62,713	62,538	62,671	62,387	62,096	62,101	62,203	62,416	62,552	62,217	62,121	61,777	61,438	
25 to 54 years	48,533	48,416	48,471	48,259	48,047	48,056	48,106	48,326	48,466	48,366	48,127	47,811	47,517	
55 years and over	14,086	14,089	14,156	14,022	13,954	13,992	14,131	14,160	14,113	13,973	14,016	13,931	13,846	
Male														
16 years and over	48,825	48,939	48,864	48,638	48,653	48,609	48,766	48,919	48,875	48,686	48,579	48,235	48,030	
16 to 19 years	3,401	3,497	3,313	3,345	3,393	3,382	3,481	3,497	3,453	3,455	3,325	3,295	3,257	
16 and 17 years	1,528	1,588	1,445	1,482	1,496	1,472	1,559	1,608	1,557	1,532	1,463	1,444	1,439	
18 and 19 years	1,887	1,908	1,850	1,822	1,894	1,874	1,923	1,937	1,919	1,950	1,890	1,864	1,836	
20 to 24 years	5,055	5,074	5,125	5,037	5,061	5,005	4,977	4,923	4,887	4,814	4,921	4,830	4,790	
25 years and over	40,369	40,373	40,429	40,236	40,191	40,215	40,298	40,494	40,568	40,407	40,356	40,091	39,978	
25 to 54 years	31,273	31,267	31,336	31,263	31,207	31,185	31,216	31,393	31,466	31,422	31,339	31,083	30,984	
55 years and over	9,069	9,091	9,068	8,954	8,936	9,003	9,084	9,127	9,111	9,062	9,040	9,010	8,972	
Female														
16 years and over	29,500	29,188	29,323	29,236	29,018	28,656	28,839	28,848	28,854	28,543	28,186	28,153	27,972	
16 to 19 years	2,789	2,669	2,701	2,731	2,767	2,610	2,670	2,620	2,590	2,544	2,384	2,451	2,477	
16 and 17 years	1,084	1,013	1,012	1,027	1,052	1,040	1,093	1,052	1,013	992	931	929	927	
18 and 19 years	1,681	1,638	1,676	1,687	1,700	1,569	1,595	1,596	1,573	1,577	1,474	1,523	1,534	
20 to 24 years	4,375	4,334	4,368	4,328	4,323	4,171	4,260	4,299	4,278	4,212	4,034	4,084	4,037	
25 years and over	22,344	22,165	22,242	22,151	21,905	21,886	21,905	21,922	21,984	21,810	21,765	21,686	21,460	
25 to 54 years	17,260	17,149	17,135	16,996	16,840	16,871	16,890	16,933	17,000	16,944	16,788	16,728	16,533	
55 years and over	5,017	4,998	5,088	5,068	5,018	4,989	5,047	5,033	5,002	4,911	4,976	4,921	4,874	

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

(In thousands)

Occupation group	1969											1968		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	
White-collar workers	37,436	37,099	36,975	36,802	36,920	36,722	36,458	36,346	36,179	36,125	35,869	35,990	35,859	
Professional and technical	10,882	10,730	10,677	10,889	10,811	10,756	10,759	10,714	10,521	10,648	10,477	10,550	10,329	
Managers, officials, and proprietors	8,086	8,102	7,958	7,915	7,908	8,044	8,003	7,855	7,773	7,855	7,813	7,892	7,995	
Clerical workers	13,751	13,575	13,594	13,282	13,433	13,279	13,120	13,152	13,268	13,055	12,940	12,828	12,899	
Sales workers	4,717	4,694	4,746	4,716	4,668	4,643	4,576	4,625	4,617	4,567	4,639	4,720	4,636	
Blue-collar workers	28,366	28,499	28,489	28,347	28,032	27,603	27,990	28,220	28,395	28,151	28,051	27,622	27,596	
Craftsmen and foremen	10,195	10,093	10,179	10,160	10,085	9,957	10,019	10,211	10,460	10,330	10,306	10,140	10,029	
Operatives	14,550	14,706	14,617	14,560	14,260	14,050	14,199	14,345	14,327	14,206	14,114	13,897	14,086	
Nonfarm laborers	3,621	3,700	3,693	3,627	3,687	3,596	3,772	3,664	3,608	3,615	3,631	3,585	3,481	
Service workers	9,514	9,505	9,447	9,448	9,372	9,353	9,673	9,703	9,605	9,418	9,453	9,445	9,382	
Farmers and farm laborers	2,992	3,170	3,282	3,235	3,438	3,522	3,381	3,436	3,591	3,411	3,421	3,350	3,149	

ESTABLISHMENT DATA EMPLOYMENT

B-2: Employees on nonagricultural payrolls, by industry

(In thousands)

SIC CODE	Industry	All employees					Production workers ¹				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
-	TOTAL	71,222	70,910	70,607	68,960	68,610	-	-	-	-	-
-	PRIVATE SECTOR	58,826	58,756	58,877	56,923	56,849	48,751	48,718	48,828	47,247	47,177
-	MINING	634	639	647	574	629	486	490	497	431	480
10	METAL MINING	-	94.5	95.5	88.0	90.0	-	76.3	77.2	70.7	72.1
101	Iron ores	-	26.3	26.7	24.4	25.6	-	21.5	21.9	19.9	21.0
102	Copper ores	-	38.1	38.5	34.6	34.9	-	30.4	30.7	27.4	27.5
11,12	COAL MINING	-	137.5	137.5	90.4	136.6	-	119.3	119.1	75.7	118.1
12	Bituminous coal and lignite mining	-	131.2	131.2	84.1	130.4	-	113.7	113.5	70.3	112.7
13	OIL AND GAS EXTRACTION	-	284.0	289.2	276.8	281.2	-	192.5	197.3	187.3	190.2
131,2	Crude petroleum and natural gas fields	-	144.0	147.6	146.2	149.7	-	74.4	77.2	76.3	78.7
138	Oil and gas field services	-	140.0	141.6	130.6	131.5	-	118.1	120.1	111.0	111.5
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	122.6	124.8	119.0	121.3	-	101.4	103.2	97.4	99.8
142	Crushed and broken stone	-	43.6	44.1	41.6	42.0	-	37.0	37.6	35.1	35.4
144	Sand and gravel	-	40.9	41.8	39.7	40.7	-	-	-	-	-
	CONTRACT CONSTRUCTION	3,610	3,656	3,707	3,503	3,519	3,071	3,119	3,162	2,985	3,000
	GENERAL BUILDING CONTRACTORS	-	1,062.5	1,095.5	1,047.1	1,046.8	-	911.6	939.8	896.9	895.0
16	HEAVY CONSTRUCTION CONTRACTORS	-	860.6	861.6	773.9	787.4	-	750.4	751.4	674.9	688.7
161	Highway and street construction	-	395.5	397.5	377.7	391.7	-	356.1	358.0	339.8	354.1
162	Heavy construction, n e c	-	465.1	464.1	396.2	395.7	-	394.3	393.4	335.1	334.6
17	SPECIAL TRADE CONTRACTORS	-	1,732.4	1,750.0	1,681.5	1,685.1	-	1,457.0	1,471.0	1,413.0	1,416.4
171	Plumbing, heating, air conditioning	-	401.5	402.7	404.1	403.4	-	324.2	325.1	328.3	327.6
172	Painting, paper hanging, decorating	-	138.8	146.2	141.6	143.7	-	123.8	131.0	126.1	128.1
173	Electrical work	-	288.2	290.0	273.7	271.4	-	234.0	234.9	220.9	217.7
174	Masonry, stonework, and plastering	-	239.9	245.5	243.9	245.3	-	218.3	223.2	221.6	223.3
176	Roofing and sheet metal work	-	126.1	127.1	118.9	117.2	-	105.1	105.7	98.0	96.4
	MANUFACTURING	20,376	20,426	20,435	20,019	20,045	14,952	15,003	14,971	14,731	14,758
19,24,25, 32-39	DURABLE GOODS	12,013	12,015	11,976	11,704	11,695	8,754	8,756	8,691	8,521	8,518
20-23, 26-31	NONDURABLE GOODS	8,363	8,411	8,459	8,315	8,350	6,198	6,247	6,280	6,210	6,240
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	311.5	316.1	323.4	334.2	347.8	171.2	174.8	179.1	184.5	195.9
192	Ammunition, except for small arms	232.0	234.0	240.1	247.0	261.0	122.0	123.5	127.4	128.3	140.0
1925	Complete guided missiles	-	134.7	138.0	153.6	155.2	-	43.1	44.3	51.1	51.7
1929	Ammunition, exc. for small arms, nec	-	99.3	102.1	93.4	105.8	-	80.4	83.1	77.2	88.3
24	LUMBER AND WOOD PRODUCTS	596.4	604.4	617.8	605.0	608.7	517.7	525.1	537.0	524.1	529.6
241	Logging camps & logging contractors	82.3	84.1	86.8	81.2	82.7	-	-	-	-	-
242	Sawmills and planing mills	228.6	231.4	237.1	233.4	235.3	208.0	210.6	215.7	212.0	214.3
2421	Sawmills and planing mills, general	-	194.2	198.9	195.6	197.4	-	177.1	181.2	177.8	180.1
243	Millwork, plywood & related products	160.4	162.4	166.5	169.0	168.6	134.5	136.4	140.0	141.5	142.5
2431	Millwork	-	71.0	72.7	73.5	73.8	-	57.9	59.2	59.8	60.2
2432	Veneer and plywood	-	71.3	73.0	76.2	75.4	-	64.2	65.8	68.1	68.6
244	Wooden containers	36.9	37.5	37.9	37.3	37.6	32.9	33.5	34.0	33.2	33.5
2441,2	Wooden boxes, shooks, and crates	-	28.8	29.6	28.9	29.4	-	25.7	26.6	25.7	26.1
249	Miscellaneous wood products	88.2	89.0	89.5	84.1	84.5	74.5	75.2	75.5	71.0	71.3

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

SIC Code	Industry	(In thousands)					Production workers ¹				
		All employees									
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES	496.0	494.7	497.9	485.3	482.1	412.3	411.5	414.5	402.0	398.4
251	Household furniture.....	349.6	347.2	350.0	343.5	340.3	298.0	296.3	299.3	293.1	289.7
2511	Wood household furniture.....	—	180.3	182.8	179.4	178.0	—	159.8	162.4	158.6	157.0
2512	Upholstered household furniture.....	—	90.8	90.6	88.7	87.8	—	76.1	75.9	74.3	73.5
2515	Mattresses and bedsprings.....	—	40.0	40.2	39.0	39.3	—	31.3	31.7	30.6	30.9
252	Office furniture.....	—	40.4	40.1	35.9	36.7	—	31.9	31.8	27.9	28.6
254	Partitions and fixtures.....	—	54.6	55.1	51.3	51.5	—	42.6	42.7	38.7	38.9
253,9	Other furniture and fixtures.....	52.3	52.5	52.7	54.6	53.6	40.8	40.7	40.7	42.3	41.2
32	STONE, CLAY, AND GLASS PRODUCTS ...	668.2	674.7	679.1	655.7	658.8	535.7	542.5	546.0	527.8	532.0
321	Flat glass.....	—	27.3	26.1	27.0	26.8	—	20.6	19.3	20.7	20.5
322	Glass and glassware, pressed or blown...	133.9	134.2	133.9	131.4	132.4	117.9	118.1	118.1	117.1	118.8
3221	Glass containers.....	—	76.4	77.1	73.7	74.5	—	68.7	69.6	68.5	69.6
3229	Pressed and blown glass, n e c.....	—	57.8	56.8	57.7	57.9	—	49.4	48.5	48.6	49.2
324	Cement, hydraulic.....	34.7	35.5	35.6	35.2	35.8	26.3	27.2	27.3	27.0	27.6
325	Structural clay products.....	62.7	64.2	66.2	64.5	64.8	51.5	52.8	54.7	53.5	53.8
3251	Brick and structural clay tile.....	—	29.1	30.3	29.3	29.2	—	25.5	26.5	25.7	25.6
326	Pottery and related products.....	—	46.0	45.5	44.2	43.9	—	39.0	38.5	37.7	37.2
327	Concrete, gypsum, and plaster products...	190.9	194.6	197.9	187.1	188.9	149.9	153.5	156.3	146.0	148.0
328,9	Other stone and nonmetallic mineral products	141.8	142.6	143.9	137.4	137.6	105.9	107.2	108.1	102.5	103.0
3291	Abrasive products.....	—	27.7	28.1	27.3	27.3	—	19.1	19.5	18.7	18.7
33	PRIMARY METAL INDUSTRIES	1,357.6	1,367.3	1,367.9	1,270.5	1,290.5	1,085.2	1,093.6	1,090.6	1,003.5	1,021.7
331	Blast furnace and basic steel products...	(*)	653.0	662.7	586.0	604.6	(*)	521.3	529.2	457.6	475.5
3312	Blast furnaces and steel mills.....	—	572.4	581.5	510.0	527.1	—	459.0	466.5	400.3	417.0
332	Iron and steel foundries.....	236.1	237.9	228.6	223.2	226.0	199.3	200.4	191.0	186.3	188.5
3321	Gray iron foundries.....	—	149.3	141.1	140.2	140.6	—	128.1	119.9	119.3	119.8
3322	Malleable iron foundries.....	—	24.2	24.1	22.9	23.3	—	20.2	20.1	19.2	19.0
3323	Steel foundries.....	—	64.4	63.4	60.1	62.1	—	52.1	51.0	47.8	49.7
333,4	Nonferrous metals.....	88.3	88.8	90.0	86.0	86.4	68.4	68.7	69.2	66.9	67.3
3334	Primary aluminum.....	—	28.1	28.7	26.8	26.8	—	23.0	23.2	22.2	22.2
335	Nonferrous rolling and drawing.....	219.5	219.9	218.8	210.8	212.3	166.3	166.6	164.6	158.4	159.5
3351	Copper rolling and drawing.....	—	45.1	45.1	44.1	44.1	—	33.9	33.7	33.2	33.2
3352	Aluminum rolling and drawing.....	—	70.5	70.7	70.1	69.8	—	52.6	52.5	52.6	52.4
3357	Nonferrous wire drawing and insulating...	—	79.8	78.4	75.9	75.8	—	62.6	61.0	58.6	58.1
336	Nonferrous foundries.....	91.0	91.9	92.1	89.9	86.3	75.6	76.3	76.4	75.1	71.2
3361	Aluminum castings.....	—	46.9	47.2	44.6	41.5	—	39.5	40.0	37.9	34.4
3362,9	Other nonferrous castings.....	—	45.0	44.9	45.3	44.8	—	36.8	36.4	37.2	36.8
339	Miscellaneous primary metal products....	75.5	75.8	75.7	74.6	74.9	60.0	60.3	60.2	59.2	59.7
3391	Iron and steel forgings.....	—	51.2	51.1	50.5	50.7	—	41.0	40.9	40.7	41.0
34	FABRICATED METAL PRODUCTS	1,472.5	1,468.8	1,461.9	1,421.8	1,404.9	1,133.6	1,131.0	1,122.4	1,100.7	1,085.1
341	Metal cans.....	67.4	69.9	71.1	67.8	68.8	56.8	58.9	60.1	58.2	59.1
342	Cutlery, hand tools, and hardware.....	174.9	173.2	171.3	169.8	166.0	137.0	135.7	133.7	133.0	129.6
3421,3,5	Cutlery and hand tools, incl. saws.....	—	70.2	70.2	66.0	64.8	—	54.3	54.3	51.6	50.6
3429	Hardware, n e c.....	—	103.0	101.1	103.8	101.2	—	81.4	79.4	81.4	79.0
343	Plumbing and heating, except electric....	85.2	84.8	85.3	82.8	82.0	63.2	63.1	63.5	61.7	61.0
3431,2	Sanitary ware & plumbers' brass goods..	—	37.6	37.9	36.5	36.5	—	29.8	30.2	29.0	29.0
3433	Heating equipment, except electric.....	—	47.2	47.4	46.3	45.5	—	33.3	33.3	32.7	32.0
344	Fabricated structural metal products.....	430.7	433.4	437.7	418.2	414.7	308.7	311.3	315.3	302.9	299.7
3441	Fabricated structural steel.....	—	115.3	116.4	111.7	111.7	—	84.9	85.8	82.1	82.3
3442	Metal doors, sash, and trim.....	—	72.5	73.7	69.7	68.7	—	53.1	54.4	51.1	50.1
3443	Fabricated plate work(boiler shops)....	—	112.2	111.8	108.6	105.2	—	76.5	75.8	76.7	73.0
3444	Sheet metal work.....	—	81.6	83.2	80.0	79.9	—	59.4	60.7	59.0	58.9
3446,9	Architectural and misc. metal work.....	—	51.8	52.6	48.2	49.2	—	37.4	38.6	34.0	35.4
345	Screw machine products, bolts, etc.....	116.4	116.0	114.7	110.6	109.6	91.8	91.5	89.9	87.2	86.7
3451	Screw machine products.....	—	52.0	52.0	50.9	50.5	—	43.7	43.7	43.1	42.9
3452	Bolts, nuts, rivets, and washers.....	—	64.0	62.7	59.7	59.1	—	47.8	46.2	44.1	43.8
346	Metal stampings.....	266.3	262.5	250.9	255.6	251.1	218.4	214.5	202.7	210.0	205.4
347	Metal services, n e c.....	98.6	97.6	98.5	94.4	92.4	81.8	81.1	81.9	78.7	76.9
348	Misc. fabricated wire products.....	71.0	70.2	70.3	68.7	66.3	56.9	56.1	56.2	55.7	53.5
349	Misc. fabricated metal products.....	162.0	161.2	162.1	153.9	154.0	119.0	118.8	119.1	113.3	113.2
3494,8	Valves, pipe, and pipe fittings.....	—	96.2	96.6	93.5	93.5	—	67.6	67.6	65.8	66.0

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

**ESTABLISHMENT DATA
EMPLOYMENT**

46

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Oct. 1969	Sept. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Oct. 1968	Sept. 1968		
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	2,012.7	2,013.2	1,999.3	1,947.8	1,950.2	1,374.6	1,374.3	1,354.8	1,326.3	1,328.4
351	Engines and turbines	115.7	115.1	112.6	110.0	109.7	79.2	78.5	76.4	75.2	75.1
3511	Steam engines and turbines	-	39.4	39.4	38.3	37.8	-	22.8	22.6	22.4	22.0
3519	Internal combustion engines, n e c	-	75.7	73.2	71.7	71.9	-	55.7	53.8	52.8	53.1
352	Farm machinery	-	126.0	125.1	134.0	137.2	-	90.5	86.3	94.7	97.7
353	Construction and related machinery	295.1	296.1	295.3	281.5	282.8	197.9	198.9	196.7	187.2	188.1
3531,2	Construction and mining machinery	-	155.8	155.7	151.3	151.8	-	108.9	107.6	104.6	104.9
3533	Oil field machinery	-	46.7	46.9	42.1	42.0	-	32.6	32.9	29.2	29.1
3535,6	Conveyors, hoists, cranes, monorails	-	43.7	44.2	41.6	42.5	-	27.2	27.3	25.5	26.4
3537	Industrial trucks and tractors	-	34.5	33.7	31.5	31.5	-	22.2	21.5	20.3	20.2
354	Metal working machinery	343.2	344.4	340.2	337.0	338.7	255.4	256.5	251.5	251.1	251.8
3541	Machine tools, metal cutting types	-	78.8	78.2	78.0	77.6	-	53.0	52.2	53.0	52.3
3544	Special dies, tools, jigs, & fixtures	-	125.7	122.7	123.1	122.1	-	103.2	100.1	100.9	99.8
3545	Machine tool accessories	-	60.7	60.5	60.0	61.1	-	44.1	43.6	43.5	44.3
3542,8	Misc. metal working machinery	-	79.2	78.8	75.9	77.9	-	56.2	55.6	53.7	55.4
355	Special industry machinery	200.5	200.3	200.2	196.9	196.5	132.4	132.2	132.3	132.3	132.4
3551	Food products machinery	-	43.7	44.1	42.7	43.0	-	27.9	28.1	27.6	28.0
3552	Textile machinery	-	41.7	41.7	41.1	40.5	-	31.1	31.5	31.3	30.7
3555	Printing trades machinery	-	31.4	31.0	30.8	30.6	-	19.9	19.7	20.6	20.6
356	General industrial machinery	285.0	286.2	282.3	273.7	273.6	188.8	189.9	186.3	177.0	176.5
3561	Pumps and compressors	-	76.3	72.9	77.0	77.1	-	44.2	40.7	42.4	42.7
3562	Ball and roller bearings	-	61.5	60.5	53.7	53.7	-	47.4	46.8	40.0	39.9
3564	Blowers and fans	-	32.5	32.5	31.4	30.9	-	20.5	20.4	19.8	19.2
3566	Power transmission equipment	-	54.9	55.4	52.0	52.3	-	39.4	39.9	37.9	37.8
357	Office and computing machines	260.4	256.2	254.9	250.3	248.0	139.3	135.3	132.4	135.2	134.1
3573	Electronic computing equipment	-	165.8	163.1	158.1	157.6	-	68.8	65.8	69.2	69.0
358	Service industry machines	144.8	144.4	144.2	134.8	134.5	102.9	102.4	102.2	94.7	94.5
3585	Refrigeration machinery	-	95.2	95.1	86.7	86.0	-	68.2	68.1	61.2	60.5
359	Misc. machinery, except electrical	244.1	244.5	244.5	229.6	229.2	190.1	190.1	190.7	178.9	178.2
36	ELECTRICAL EQUIPMENT AND SUPPLIES	2,097.2	2,081.6	2,074.2	1,999.4	1,991.9	1,407.2	1,393.4	1,381.6	1,338.6	1,334.0
361	Electric test and distributing equipment	219.1	220.1	219.5	203.8	204.6	149.1	149.7	149.4	138.0	139.2
3611	Electric measuring instruments	-	74.7	74.2	67.4	66.6	-	47.0	46.6	43.2	43.0
3612	Transformers	-	60.9	60.7	56.4	57.3	-	44.6	44.2	40.3	40.8
3613	Switchgear and switchboard apparatus	-	84.5	84.6	80.0	80.7	-	58.1	58.6	54.5	55.4
362	Electrical industrial apparatus	225.4	223.9	223.6	209.0	210.5	158.8	157.5	156.9	144.3	145.7
3621	Motors and generators	-	122.6	121.6	113.7	114.7	-	88.1	87.1	79.6	80.8
3622	Industrial controls	-	61.8	62.1	57.2	57.5	-	40.7	40.7	36.8	36.9
363	Household appliances	191.0	188.1	185.6	180.3	177.9	152.6	149.8	147.0	143.5	141.4
3632	Household refrigerators and freezers	-	60.8	59.4	56.1	55.6	-	50.2	48.4	45.6	45.2
3633	Household laundry equipment	-	28.8	27.5	26.3	26.2	-	22.9	21.5	21.0	21.1
3634	Electric housewares and fans	-	44.8	43.8	45.6	44.6	-	35.5	34.7	36.4	35.5
364	Electric lighting and wiring equipment	217.0	215.0	213.0	205.9	204.8	168.6	166.3	163.8	157.7	157.1
3641	Electric lamps	-	40.9	40.6	39.2	38.8	-	36.2	35.9	34.6	34.2
3642	Lighting fixtures	-	68.5	67.0	66.7	66.0	-	53.6	51.8	51.8	51.5
3643,4	Wiring devices	-	105.6	105.4	100.0	100.0	-	76.5	76.1	71.3	71.4
365	Radio and TV receiving equipment	162.6	159.6	158.8	161.5	160.1	121.3	119.6	119.1	123.9	122.4
366	Communication equipment	533.2	530.2	529.5	521.4	520.0	263.7	261.7	258.2	257.7	257.0
3661	Telephone and telegraph apparatus	-	145.5	144.1	131.4	129.4	-	97.4	95.4	86.4	85.6
3662	Radio and TV communication equipment	-	384.7	385.4	390.0	390.6	-	164.3	162.8	171.3	171.4
367	Electronic components and accessories	418.1	415.0	416.7	391.7	390.2	292.0	288.6	289.5	276.3	276.2
3671-3	Electron tubes	-	71.1	71.2	74.4	75.0	-	49.1	48.9	51.8	52.4
3674,9	Other electronic components	-	343.9	345.5	317.3	315.2	-	239.5	240.6	224.5	223.8
369	Misc. electrical equipment & supplies	130.8	129.7	127.5	125.8	123.8	101.1	100.2	97.7	97.2	95.0
3694	Engine electrical equipment	-	69.6	68.0	68.5	67.7	-	54.4	52.7	53.6	52.7
37	TRANSPORTATION EQUIPMENT	2,066.7	2,066.9	2,023.4	2,058.6	2,045.2	1,461.8	1,460.2	1,414.4	1,460.1	1,448.7
371	Motor vehicles and equipment	(*)	935.8	894.4	902.2	892.4	(*)	730.2	688.5	708.7	699.8
3711	Motor vehicles	-	404.7	382.1	385.8	381.3	-	301.7	279.2	291.4	287.8
3712	Passenger car bodies	-	68.2	62.1	68.6	67.4	-	57.0	50.9	56.6	55.5
3713	Truck and bus bodies	-	41.1	41.4	36.6	37.7	-	33.7	33.9	29.5	30.3
3714	Motor vehicle parts and accessories	-	392.3	377.7	383.8	379.3	-	315.6	300.7	310.5	306.2
3715	Truck trailers	-	29.5	31.1	27.4	26.7	-	22.2	23.8	20.7	20.0
372	Aircraft and parts	802.5	805.5	798.8	841.3	846.4	464.0	465.0	455.9	494.0	499.4
3721	Aircraft	-	481.6	480.2	492.2	494.6	-	271.1	268.2	280.5	284.1
3722	Aircraft engines and engine parts	-	197.2	193.4	208.2	210.1	-	110.4	106.1	117.5	119.1
3723,9	Other aircraft parts and equipment	-	126.7	125.2	140.9	141.7	-	83.5	81.2	96.0	96.2
373	Ship and boat building and repairing	187.1	184.1	184.7	182.1	176.5	152.6	149.9	151.0	149.0	144.0
3731	Ship building and repairing	-	142.4	143.7	141.6	138.4	-	115.9	117.9	115.8	113.0

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
<i>Durable Goods--Continued</i>											
TRANSPORTATION EQUIPMENT--Continued											
3732	Boat building and repairing	-	41.7	41.0	40.5	38.1	-	34.0	33.1	33.2	31.0
374	Railroad equipment	-	53.4	54.3	47.2	46.9	-	42.3	42.9	35.6	35.5
375,9	Other transportation equipment	-	88.1	91.2	85.8	83.0	-	72.8	76.1	72.8	70.0
38	INSTRUMENTS AND RELATED PRODUCTS	469.4	469.3	475.7	463.6	462.1	288.7	289.2	292.5	286.5	285.1
381	Engineering & scientific instruments	-	76.1	77.5	83.9	83.6	-	37.4	37.2	41.6	41.2
382	Mechanical measuring & control devices	112.7	112.9	114.0	109.8	109.2	71.2	71.5	72.0	70.0	69.3
3821	Mechanical measuring devices	-	69.0	69.3	66.9	66.8	-	41.0	40.9	40.0	39.7
3822	Automatic temperature controls	-	43.9	44.7	42.9	42.4	-	30.5	31.1	30.0	29.6
383,5	Optical and ophthalmic goods	51.4	51.3	51.4	50.6	50.7	36.3	36.2	36.5	36.0	36.3
385	Ophthalmic goods	-	32.7	32.7	31.8	31.9	-	24.8	25.0	24.0	24.4
384	Medical instruments and supplies	77.4	77.2	77.4	73.7	73.3	52.4	52.7	53.1	50.0	49.8
386	Photographic equipment and supplies	115.6	115.0	117.6	109.8	109.2	61.5	61.1	62.8	59.6	59.0
387	Watches, clocks, and watchcases	-	36.8	37.8	35.8	36.1	-	30.3	30.9	29.3	29.5
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	464.3	458.1	455.8	462.4	452.5	366.0	360.6	357.7	367.2	359.0
391	Toys and sporting goods	52.6	52.3	51.7	52.8	50.6	40.1	39.6	39.0	39.9	38.1
394	Games, toys, dolls, & play vehicles	-	137.4	134.2	139.4	134.3	-	114.5	111.2	117.2	112.8
3941-3	Sporting and athletic goods, n e c	-	84.4	82.1	87.2	83.5	-	71.2	69.0	74.4	71.3
3949	Pens, pencils, office, and art supplies	-	53.0	52.1	52.2	50.8	-	43.3	42.2	42.8	41.5
395	Costume jewelry and notions	-	34.7	34.6	35.0	35.1	-	25.5	25.1	25.1	25.2
396	Other manufacturing industries	-	62.7	62.7	63.7	62.5	-	51.9	51.9	53.0	51.8
393,8,9	Musical instruments and parts	172.5	171.0	172.6	171.5	170.0	130.7	129.1	130.5	132.0	131.1
393	-	-	24.1	24.9	24.9	24.8	-	19.0	19.8	19.5	19.5
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	1,881.7	1,925.2	1,932.0	1,866.0	1,910.2	1,287.2	1,328.7	1,329.6	1,279.5	1,318.4
201	Meat products	341.3	340.3	345.6	342.3	341.2	276.6	275.1	280.5	276.6	275.8
2011	Meat packing plants	-	182.0	184.7	186.2	186.4	-	141.6	144.3	145.2	145.4
2013	Sausages and other prepared meats	-	58.0	58.4	58.8	58.6	-	41.7	42.2	42.6	42.4
2015	Poultry dressing plants	-	100.3	102.5	97.3	96.2	-	91.8	94.0	88.8	88.0
202	Dairy products	249.1	253.4	259.8	255.3	260.7	116.9	119.4	123.7	120.4	124.3
2024	Ice cream and frozen desserts	-	28.1	30.1	26.6	28.2	-	14.5	15.9	13.6	14.7
2026	Fluid milk	-	177.8	180.8	181.3	183.7	-	68.2	69.5	69.7	71.3
203	Canned, cured, and frozen foods	-	399.2	385.0	329.7	387.7	-	352.6	338.2	284.4	340.3
2031,6	Canned, cured, and frozen sea foods	-	43.4	45.7	42.5	42.7	-	38.1	40.6	37.5	37.7
2032,3	Canned food, except sea foods	-	247.4	229.8	186.3	239.1	-	220.4	202.3	159.3	210.1
2037	Frozen fruits and vegetables	-	66.8	66.2	61.5	66.5	-	59.9	59.4	55.4	60.0
204	Grain mill products	138.2	139.6	142.1	134.7	135.6	98.4	99.9	101.8	95.7	96.1
2041	Flour and other grain mill products	-	31.6	31.8	30.9	30.9	-	23.5	23.5	22.3	22.2
2042	Prepared feeds for animals and fowls	-	65.8	67.8	63.8	64.7	-	44.0	45.8	42.4	43.2
205	Bakery products	268.7	268.8	279.4	280.0	280.9	154.3	153.4	164.3	164.7	165.2
2051	Bread, cake, and related products	-	234.4	235.2	235.6	235.9	-	127.4	128.5	128.0	128.2
2052	Cookies and crackers	-	34.4	44.2	44.4	45.0	-	26.0	35.8	36.7	37.0
206	Sugar	-	38.8	35.2	51.0	35.3	-	30.4	27.1	44.6	28.1
207	Confectionery and related products	91.9	88.4	86.7	88.1	85.4	76.4	73.1	71.3	73.4	70.8
2071	Confectionery products	-	71.9	70.0	71.9	69.1	-	60.7	58.7	61.3	58.6
208	Beverages	247.8	250.2	253.0	237.3	239.7	130.1	129.6	129.7	122.7	124.5
2082	Malt liquors	-	62.8	64.4	59.2	60.6	-	41.6	42.8	39.2	41.0
2086	Bottled and canned soft drinks	-	136.6	139.9	128.1	131.1	-	53.1	54.0	48.4	50.5
209	Misc. foods and kindred products	148.8	146.5	145.2	147.6	143.7	97.3	95.2	93.0	97.0	93.3
21	TOBACCO MANUFACTURES	91.6	94.0	90.0	96.8	99.0	78.1	80.5	76.7	83.9	86.3
211	Cigarettes	-	40.4	40.9	41.3	42.0	-	32.7	32.9	34.0	34.7
212	Cigars	-	19.4	19.3	20.6	20.5	-	17.7	17.7	19.2	19.1
22	TEXTILE MILL PRODUCTS	981.1	983.9	988.1	999.2	1,000.2	863.9	866.8	870.6	885.0	886.6
221	Weaving mills, cotton	224.5	225.0	221.2	231.6	231.5	203.9	204.4	200.5	211.0	210.9
222	Weaving mills, synthetics	101.1	101.2	102.1	102.3	101.9	90.3	90.1	91.4	92.0	91.9
223	Weaving and finishing mills, wool	41.9	42.6	43.8	43.8	44.4	35.8	36.4	37.5	37.6	38.1
224	Narrow fabric mills	31.6	31.6	31.7	31.7	31.6	28.0	28.1	28.2	28.2	28.2
225	Knitting mills	243.3	245.1	248.3	254.5	255.1	213.8	215.9	218.9	226.4	227.7
2251	Women's hosiery, except socks	-	65.8	66.0	66.2	65.8	-	59.8	59.7	60.4	60.0
2252	Hosiery, n e c	-	37.8	38.7	39.4	39.9	-	34.0	34.9	35.8	36.3
2253	Knit outerwear mills	-	70.5	71.7	79.7	80.2	-	60.5	61.7	69.8	70.8
2254	Knit underwear mills	-	33.9	34.3	33.8	33.5	-	29.8	30.2	30.0	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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
	<i>Nondurable Goods--Continued</i>										
	TEXTILE MILL PRODUCTS--Continued										
226	Textile finishing, except wool	84.3	83.9	84.7	81.9	82.2	71.6	71.0	71.8	69.4	69.6
227	Floor covering mills	-	55.0	55.0	51.9	51.9	-	44.2	44.2	42.0	41.6
228	Yarn and thread mills	121.0	121.4	122.8	121.0	120.9	111.8	112.2	113.4	111.9	111.9
229	Miscellaneous textile goods	78.0	78.1	78.5	80.5	80.7	64.2	64.5	64.7	66.5	66.7
23	APPAREL AND OTHER TEXTILE PRODUCTS...	1,429.7	1,427.9	1,433.3	1,434.5	1,429.7	1,256.1	1,255.0	1,259.4	1,266.5	1,261.8
231	Men's and boys' suits and coats	137.3	137.8	138.0	133.2	133.2	120.5	121.3	121.4	117.1	117.5
232	Men's and boys' furnishings	375.2	373.4	377.4	368.7	371.0	333.2	331.2	334.5	328.4	330.5
2321	Men's and boys' shirts and nightwear ..	-	121.8	123.1	121.6	122.9	-	109.0	110.3	109.0	110.3
2327	Men's and boys' separate trousers	-	80.0	80.9	80.0	80.3	-	72.9	73.7	73.4	73.8
2328	Men's and boys' work clothing	-	86.2	87.6	82.8	82.9	-	74.3	75.2	71.9	71.9
233	Women's and misses' outerwear	433.4	432.8	434.9	430.4	429.8	384.1	384.4	385.6	382.0	381.3
2331	Women's and misses' blouses and waists ..	-	50.7	51.4	52.3	52.2	-	45.3	46.0	46.9	46.7
2335	Women's and misses' dresses	-	203.2	203.3	204.4	203.8	-	182.9	182.6	183.3	182.4
2337	Women's and misses' suits and coats	-	94.9	96.7	92.4	95.5	-	84.5	85.8	82.3	85.7
2339	Women's and misses' outerwear, n e c	-	84.0	83.5	81.3	78.3	-	71.7	71.2	69.5	66.5
234	Women's and children's undergarments ..	125.6	125.9	125.7	130.5	128.8	109.3	109.6	109.4	114.8	113.4
2341	Women's and children's underwear	-	86.7	86.7	88.5	87.4	-	76.7	76.7	79.1	78.3
2342	Corsets and allied garments	-	39.2	39.0	42.0	41.4	-	32.9	32.7	35.7	35.1
235	Hats, caps, and millinery	-	19.9	20.6	22.4	22.9	-	17.9	18.5	20.1	20.5
236	Children's outerwear	79.0	78.8	79.5	80.8	80.2	70.0	69.7	70.6	72.3	71.6
2361	Children's dresses and blouses	-	33.4	33.5	34.7	34.3	-	30.0	30.2	31.5	31.1
237,8	Fur goods and miscellaneous apparel	-	80.2	80.3	84.2	82.7	-	69.2	69.3	73.5	71.6
239	Misc. fabricated textile products	178.5	179.1	176.9	184.3	181.1	151.0	151.7	150.1	158.3	155.4
2391,2	Housefurnishings	-	66.0	65.2	65.4	64.4	-	56.9	56.2	56.7	55.8
26	PAPER AND ALLIED PRODUCTS.....	722.2	721.9	726.8	700.4	700.2	559.9	560.1	564.0	544.3	544.1
261,2,6	Paper and pulp mills	225.0	226.1	230.2	217.0	217.9	175.3	176.4	179.7	169.4	169.8
263	Paperboard mills	73.6	73.7	73.3	73.0	73.6	58.6	58.8	58.1	58.2	58.7
264	Misc. converted paper products	188.1	188.4	189.2	182.1	182.0	136.8	137.0	137.7	133.2	133.3
2643	Bags, except textile bags	-	42.8	42.5	42.0	42.8	-	34.9	34.5	33.8	34.5
265	Paperboard containers and boxes	235.5	233.7	234.1	228.3	226.7	189.2	187.9	188.5	183.5	182.3
2651,2	Folding and setup paperboard boxes	-	74.1	73.7	71.6	71.3	-	61.8	61.2	59.9	59.7
2653	Corrugated and solid fiber boxes	-	107.2	107.3	104.6	103.7	-	83.1	83.5	80.8	80.2
2654	Sanitary food containers	-	32.7	33.1	31.9	31.7	-	26.5	27.1	25.9	25.7
27	PRINTING AND PUBLISHING.....	1,098.4	1,091.6	1,091.1	1,070.7	1,064.1	683.5	680.1	676.4	669.5	664.8
271	Newspapers	368.8	365.2	366.5	361.8	359.4	181.2	179.3	178.7	178.2	177.7
272	Periodicals	-	79.1	79.3	77.3	76.9	-	28.3	27.5	27.8	27.2
273	Books	-	97.0	97.7	94.2	93.1	-	53.8	54.3	53.5	51.7
275	Commercial printing	351.6	349.6	345.8	341.0	339.2	273.0	271.7	267.9	266.3	264.7
2751	Commercial printing, ex. lithographic ..	-	216.3	213.2	201.1	209.1	-	169.9	168.9	165.9	165.1
2752	Commercial printing, lithographic	-	121.2	120.5	119.5	118.7	-	92.6	91.8	91.5	90.8
278	Blankbooks and bookbinding	58.6	59.0	60.3	55.9	56.8	48.5	48.8	49.8	45.6	46.6
274,6,7,9	Other publishing & printing ind.	142.0	141.7	141.5	140.5	138.7	98.9	98.2	98.2	98.1	96.9
28	CHEMICALS AND ALLIED PRODUCTS.....	1,045.4	1,051.2	1,064.4	1,029.8	1,032.0	608.6	612.8	624.8	610.0	611.4
281	Industrial chemicals	312.8	315.8	317.0	312.3	313.9	171.9	173.5	174.0	172.0	172.4
2812	Alkalies and chlorines	-	25.8	25.8	25.8	25.9	-	18.0	17.9	17.8	17.8
2818	Industrial organic chemicals, n e c	-	124.3	124.7	124.7	126.1	-	55.4	55.6	56.1	56.6
2819	Industrial inorganic chemicals, n e c	-	98.0	98.3	95.3	95.6	-	56.9	57.0	55.4	55.5
282	Plastics materials and synthetics	226.8	226.4	227.9	217.2	218.3	148.0	148.0	149.2	143.9	145.1
2821	Plastics materials and resins	-	97.7	98.8	93.0	93.3	-	59.2	60.3	57.2	57.6
2823,4	Synthetic fibers	-	115.5	116.0	111.0	110.8	-	80.1	80.3	78.2	78.0
283	Drugs	144.0	143.9	147.7	137.5	137.4	69.6	69.5	73.5	70.1	69.6
2834	Pharmaceutical preparations	-	112.8	116.1	106.7	106.5	-	53.8	57.4	53.2	52.6
284	Soap, cleaners, and toilet goods	123.1	124.6	126.8	120.8	121.4	71.9	73.5	75.3	73.9	74.8
2841	Soap and other detergents	-	41.0	41.2	40.1	40.9	-	26.9	27.0	26.6	27.5
2844	Toilet preparations	-	52.2	53.4	50.9	50.7	-	31.7	32.9	32.2	32.1
285	Paints and allied products	70.6	72.2	74.0	70.2	70.5	39.4	39.8	41.6	38.3	38.7
287	Agricultural chemicals	52.2	51.6	51.4	53.6	53.1	31.4	30.8	30.5	32.7	32.0
2871,2	Fertilizers, complete & mixing only	-	35.0	34.2	37.1	36.2	-	22.7	21.8	25.1	24.3
286,9	Other chemical products	115.9	116.7	119.6	118.2	117.4	76.4	77.7	80.7	79.1	78.8
2892	Explosives	-	43.8	45.9	46.8	47.0	-	33.5	35.5	36.1	36.3
29	PETROLEUM AND COAL PRODUCTS.....	192.3	193.2	196.0	188.2	189.6	120.3	120.8	122.6	119.7	120.7
291	Petroleum refining	153.3	153.9	156.4	150.1	151.6	92.3	92.3	93.8	92.1	92.9
295,9	Other petroleum and coal products	39.0	39.3	39.6	38.1	38.0	28.0	28.5	28.8	27.6	27.8

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

		(In thousands)									
SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
<i>Nondurable Goods--Continued</i>											
30	RUBBER AND PLASTICS PRODUCTS, NEC	586.9	586.9	586.2	572.8	568.1	456.0	455.5	454.3	444.7	440.4
301	Tires and inner tubes	118.9	119.9	120.4	114.4	115.3	83.2	83.9	84.0	79.3	80.6
302,3,6	Other rubber products	182.3	183.6	183.1	186.5	185.0	143.0	144.2	143.7	146.4	145.0
302	Rubber footwear	-	25.6	25.7	27.9	27.8	-	21.6	21.7	23.3	23.3
307	Miscellaneous plastics products	285.7	283.4	282.7	271.9	267.8	229.8	227.4	226.6	219.0	214.8
31	LEATHER AND LEATHER PRODUCTS	333.6	335.5	351.0	356.7	356.9	284.7	286.7	301.1	306.8	305.6
311	Leather tanning and finishing	26.0	28.4	29.3	30.1	30.5	24.2	24.5	25.3	26.2	26.4
314	Footwear, except rubber	216.0	217.9	230.0	231.7	232.1	187.3	189.2	200.5	202.8	202.6
312,3,5-7,9	Other leather products	89.6	89.2	91.7	94.9	94.3	73.2	73.0	75.3	77.8	76.6
316	Luggage	-	22.4	22.2	22.9	22.8	-	18.0	17.8	17.5	17.0
317	Handbags and personal leather goods	-	36.1	37.8	40.3	40.1	-	30.3	32.0	34.3	34.0
TRANSPORTATION AND PUBLIC UTILITIES											
40	RAILROAD TRANSPORTATION	4,498	4,531	4,533	4,363	4,381	-	-	-	-	-
4011	Class I railroads ²	-	573.4	581.8	577.0	583.7	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSPORTATION											
41	TRANSIT	-	285.7	260.5	283.8	283.7	-	-	-	-	-
411	Local and suburban transportation	-	78.5	78.3	80.2	81.7	-	74.4	74.3	76.0	77.5
412	Taxicabs	-	109.0	108.3	109.1	109.1	-	-	-	-	-
413	Intercity highway transportation	-	44.6	44.9	42.9	43.9	-	40.7	41.0	39.1	40.4
42	TRUCKING AND WAREHOUSING	-	1,116.1	1,108.2	1,080.1	1,078.5	-	1,013.8	1,006.5	979.6	977.7
421,3	Trucking and trucking terminals	-	1,031.6	1,022.7	990.4	993.3	-	940.2	931.8	900.9	903.1
422	Public warehousing	-	84.5	85.5	89.7	85.2	-	73.6	74.7	78.7	74.6
45	TRANSPORTATION BY AIR	-	361.4	354.2	338.4	338.0	-	-	-	-	-
451,2	Air transportation	-	327.4	320.5	307.2	305.9	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	18.9	19.4	18.5	18.9	-	15.2	15.7	15.2	15.6
44,47	OTHER TRANSPORTATION AND SERVICES	-	353.5	357.1	326.7	341.3	-	-	-	-	-
44	WATER TRANSPORTATION	-	246.5	249.6	228.9	243.4	-	-	-	-	-
47	TRANSPORTATION SERVICES	-	107.0	107.5	97.8	97.9	-	-	-	-	-
48	COMMUNICATION	-	1,079.7	1,094.2	1,094.8	1,000.5	-	851.7	866.0	793.1	783.8
481	Telephone communication	-	896.7	909.8	837.2	828.5	-	717.8	730.9	664.4	655.3
482	Telegraph communication ³	-	32.1	32.6	33.0	32.9	-	22.3	22.6	23.0	22.9
483	Radio and television broadcasting	-	134.5	135.6	125.5	125.2	-	105.9	106.9	100.7	100.7
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	670.5	684.4	653.2	660.2	-	575.7	589.6	564.9	571.1
491	Electric companies and systems	-	278.6	282.7	267.8	269.5	-	237.7	241.7	228.7	230.3
492	Gas companies and systems	-	158.5	163.3	157.3	159.6	-	135.0	139.6	134.5	136.7
493	Combination companies and systems	-	185.0	189.2	181.7	183.6	-	160.5	165.0	160.9	162.9
494-7	Water, steam, & sanitary systems	-	48.4	49.2	46.4	47.5	-	42.5	43.3	40.8	41.2
-	WHOLESALE AND RETAIL TRADE	14,849	14,717	14,660	14,302	14,184	13,231	13,098	13,044	12,725	12,606
50	WHOLESALE TRADE	3,832	3,807	3,821	3,686	3,664	3,227	3,204	3,218	3,105	3,084
501	Motor vehicles & automotive equipment	-	310.6	311.4	292.9	292.8	-	256.6	257.7	242.7	242.1
502	Drugs, chemicals, and allied products	-	235.2	234.6	224.5	223.1	-	192.8	192.2	186.4	185.0
503	Dry goods and apparel	-	148.9	151.9	148.9	146.6	-	117.6	121.1	120.8	118.6
504	Groceries and related products	-	558.8	554.9	552.2	541.8	-	490.0	485.8	483.7	473.7
506	Electrical goods	-	310.0	313.5	294.4	296.2	-	259.0	261.9	241.0	243.3
507	Hardware; plumbing & heating equipment	-	172.4	174.1	166.2	165.5	-	146.4	147.9	140.5	140.0
508	Machinery, equipment, and supplies	-	747.3	747.8	710.1	710.6	-	634.4	635.4	601.6	601.8
509	Miscellaneous wholesalers	-	1,241.9	1,250.6	1,199.4	1,194.7	-	1,038.6	1,048.1	1,004.9	1,000.9
52-59	RETAIL TRADE	11,017	10,910	10,839	10,616	10,520	10,004	9,894	9,826	9,620	9,522
531	RETAIL GENERAL MERCHANDISE	-	2,252.1	2,209.0	2,210.0	2,132.0	-	2,068.6	2,027.4	2,032.7	1,956.5
533	Department stores	-	1,468.5	1,441.1	1,436.9	1,383.5	-	1,350.7	1,324.5	1,320.0	1,268.0
532	Mail order houses	-	127.8	123.4	134.4	123.7	-	118.9	114.3	125.8	115.1
533	Variety stores	-	330.9	319.2	323.9	313.6	-	305.2	294.1	304.1	294.1
54	FOOD STORES	-	1,687.9	1,654.9	1,650.3	1,620.9	-	1,571.9	1,538.6	1,525.8	1,496.9
541-3	Grocery, meat, and vegetable stores	-	1,521.4	1,491.3	1,485.1	1,457.8	-	1,417.2	1,386.7	1,373.9	1,347.0

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
WHOLESALE AND RETAIL TRADE (Continued)											
56	APPAREL AND ACCESSORY STORES....	-	684.6	672.0	690.7	679.4	-	613.2	602.7	620.0	609.1
561	Men's & boys' clothing & furnishings.....	-	118.9	118.0	116.5	114.8	-	105.0	105.1	103.7	101.8
562	Women's ready-to-wear stores.....	-	255.8	252.0	258.7	252.1	-	229.4	226.1	232.7	226.9
565	Family clothing stores.....	-	104.6	103.9	106.6	104.8	-	97.4	96.7	99.5	97.7
566	Shoe stores.....	-	133.4	129.7	136.5	138.1	-	117.8	114.6	119.7	121.3
57	FURNITURE AND HOME FURNISHINGS STORES	-	439.4	442.4	436.3	432.9	-	384.7	386.5	382.9	380.0
571	Furniture and home furnishings.....	-	281.6	283.1	279.2	277.6	-	245.2	246.6	244.4	243.3
58	EATING AND DRINKING PLACES.....	-	2,511.9	2,517.7	2,369.3	2,405.8	-	2,351.0	2,354.9	2,215.5	2,245.9
52,55,59	OTHER RETAIL TRADE.....	-	3,334.0	3,342.6	3,259.8	3,249.2	-	2,904.8	2,916.2	2,842.6	2,833.3
52	Building materials and farm equipment...	-	553.2	566.6	538.9	542.1	-	475.0	488.1	462.8	466.4
55	Automotive dealers & service stations...	-	1,605.6	1,609.6	1,556.1	1,562.3	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	773.3	773.8	756.0	751.4	-	655.4	656.5	639.8	636.6
553,9	Other automotive & accessory dealers...	-	224.0	228.7	216.3	217.2	-	193.5	197.9	186.3	186.7
554	Gasoline service stations.....	-	608.3	607.1	583.8	593.7	-	-	-	-	-
59	Miscellaneous retail stores.....	-	1,175.2	1,166.4	1,164.8	1,144.8	-	-	-	-	-
591	Drug stores and proprietary stores.....	-	428.1	425.8	434.3	427.3	-	382.2	379.3	391.6	384.9
594	Book and stationery stores.....	-	62.5	58.0	61.1	59.6	-	53.9	49.6	52.7	51.7
596	Farm and garden supply stores.....	-	106.9	106.7	104.7	103.5	-	-	-	-	-
598	Fuel and ice dealers.....	-	104.4	103.4	105.7	102.3	-	90.6	89.7	91.3	87.7
FINANCE, INSURANCE, AND REAL ESTATE⁴											
60	Banking.....	3,597	3,601	3,632	3,430	3,424	2,861	2,867	2,907	2,725	2,724
61	Credit agencies other than banks.....	-	998.9	1,010.0	929.1	925.5	-	828.8	840.4	771.3	768.5
612	Savings and loan associations.....	-	362.9	365.3	352.0	351.8	-	283.6	286.3	275.1	275.4
614	Personal credit institutions.....	-	105.5	106.2	100.5	100.2	-	84.0	85.0	80.2	80.0
62	Security, commodity brokers & services....	-	192.5	194.3	189.8	190.4	-	-	-	-	-
62	Insurance carriers.....	-	212.6	219.9	202.7	198.6	-	186.6	195.4	178.5	176.6
63	Life insurance.....	-	1,032.7	1,033.0	993.6	994.0	-	723.5	723.7	694.9	694.8
631	Accident and health insurance.....	-	535.9	530.2	518.0	518.2	-	317.1	311.2	303.0	301.9
632	Fire, marine, and casualty insurance.....	-	87.2	88.5	82.8	82.4	-	75.0	76.2	71.6	71.3
633	Insurance agents, brokers, and service....	-	363.7	367.9	348.4	348.9	-	292.9	297.2	283.1	284.6
64	Real estate.....	-	273.5	277.1	257.4	257.9	-	-	-	-	-
65	Subdividers and developers.....	-	639.1	653.3	617.5	618.1	-	-	-	-	-
655	Operative builders.....	-	85.0	91.4	78.9	79.7	-	-	-	-	-
656	Other finance, insurance, & real estate....	-	46.0	47.2	44.6	45.3	-	-	-	-	-
66,67		-	81.2	83.1	77.9	77.6	-	-	-	-	-
SERVICES											
70	Hotels and other lodging places.....	11,262	11,186	11,253	10,732	10,667	-	-	-	-	-
701	Hotels, tourist courts, and motels.....	716.3	743.5	825.9	701.1	736.8	-	-	-	-	-
72	Personal services.....	676.4	719.8	639.9	663.7	663.7	626.6	668.6	593.5	616.6	
721	Laundries and dry cleaning plants.....	1,024.4	1,021.0	1,023.0	1,030.4	1,024.9	-	-	-	-	-
722	Photographic studios.....	-	532.8	535.9	545.9	547.5	484.6	488.4	496.5	498.2	
73	Miscellaneous business services.....	-	43.0	39.9	42.8	40.4	37.6	34.8	38.3	35.8	
731	Advertising.....	-	1,514.7	1,512.1	1,425.9	1,416.9	-	-	-	-	
732	Credit reporting and collection.....	-	118.7	120.5	117.7	116.8	-	-	-	-	
734	Services to buildings.....	-	74.0	74.6	73.1	72.6	-	-	-	-	
76	Miscellaneous repair services.....	-	264.7	263.5	243.4	242.3	-	-	-	-	
76	Motion pictures.....	-	186.6	185.7	175.3	174.5	-	-	-	-	
78	Motion picture theaters and services.....	-	214.0	222.3	200.2	206.2	-	-	-	-	
781	Medical and other health services.....	-	50.8	54.2	56.0	55.1	33.8	35.0	35.3	34.4	
782,3	Hospitals.....	-	163.2	168.1	144.2	151.1	-	-	-	-	
80	Hospitals.....	2,914.6	2,895.4	2,891.0	2,699.5	2,675.9	-	-	-	-	
806	Legal services.....	-	1,785.1	1,783.6	1,685.1	1,673.1	-	-	-	-	
81	Educational services.....	-	224.2	229.1	210.6	209.2	-	-	-	-	
82	Elementary and secondary schools.....	1,162.6	1,064.6	951.1	1,120.9	1,024.2	-	-	-	-	
821	Colleges and universities.....	-	372.8	319.3	378.8	353.1	-	-	-	-	
822	Miscellaneous services.....	-	602.7	547.2	651.0	584.2	-	-	-	-	
89	Engineering & architectural services.....	-	619.8	629.9	578.9	581.0	-	-	-	-	
891	Nonprofit research agencies.....	-	301.7	307.6	288.3	289.6	-	-	-	-	
892		-	94.1	96.3	93.2	93.1	-	-	-	-	

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

**ESTABLISHMENT DATA
EMPLOYMENT**

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
	GOVERNMENT	12,396	12,154	11,730	12,037	11,761	-	-	-	-	-
91	FEDERAL GOVERNMENT ⁵	2,727	2,733	2,804	2,694	2,705	-	-	-	-	-
	Executive	-	2,697.3	2,767.2	2,658.9	2,670.2	-	-	-	-	-
	Department of Defense	-	1,111.6	1,142.9	1,094.1	1,097.0	-	-	-	-	-
	Post Office Department	-	726.5	741.0	711.5	712.8	-	-	-	-	-
	Other agencies	-	859.2	883.3	853.3	860.4	-	-	-	-	-
	Legislative	-	29.2	29.7	28.1	28.3	-	-	-	-	-
	Judicial	-	6.7	6.7	6.7	6.6	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	9,669	9,421	8,926	9,343	9,056	-	-	-	-	-
92	State government	-	2,470.9	2,422.5	2,526.8	2,423.4	-	-	-	-	-
	State education	-	961.9	882.7	1,037.0	902.1	-	-	-	-	-
	Other State government	-	1,509.0	1,539.8	1,489.8	1,521.3	-	-	-	-	-
93	Local government	-	6,949.6	6,503.3	6,815.8	6,632.8	-	-	-	-	-
	Local education	-	3,872.7	3,310.8	3,897.8	3,668.7	-	-	-	-	-
	Other local government	-	3,076.9	3,192.5	2,918.0	2,964.1	-	-	-	-	-

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
WOMEN EMPLOYEES**

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

SIC Code	Industry	July 1969		April 1969		July 1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
-	TOTAL	24,896	35	25,362	37	23,772	35
-	PRIVATE SECTOR	20,372	35	20,085	35	19,333	34
-	MINING	37	6	37	6	37	6
10	METAL MINING	2.9	3	2.7	3	2.8	3
11,12	COAL MINING	2.2	2	2.1	2	2.1	2
13	OIL AND GAS EXTRACTION	26.8	9	26.6	10	26.4	9
131,2	Crude petroleum and natural gas fields	18.9	13	18.7	13	19.1	12
138	Oil and gas field services	7.9	6	7.9	6	7.3	6
14	NONMETALLIC MINERALS, EXCEPT FUELS	5.4	4	5.3	5	5.3	4
142	Crushed and broken stone	2.0	5	1.9	5	1.9	5
144	Sand and gravel	1.6	4	1.6	4	1.6	4
	CONTRACT CONSTRUCTION	164	4	158	5	157	4
15	GENERAL BUILDING CONTRACTORS	41.9	4	41.2	4	40.7	4
16	HEAVY CONSTRUCTION CONTRACTORS	30.7	4	28.0	4	27.2	3
161	Highway and street construction	11.0	3	10.0	4	10.4	3
162	Heavy construction, n e c	19.7	4	18.0	5	16.8	4
17	SPECIAL TRADE CONTRACTORS	91.3	5	88.3	5	88.9	5
171	Plumbing, heating, air conditioning	27.3	7	26.9	7	26.6	7
172	Painting, paper hanging, decorating	7.5	5	6.7	6	7.5	5
173	Electrical work	14.8	5	14.0	5	13.7	5
174	Masonry, stonework, and plastering	8.2	3	8.4	4	8.6	4
176	Roofing and sheet metal work	7.0	6	7.1	6	6.9	6
	MANUFACTURING	5,591	28	5,590	28	5,396	27
19,24,25,32-39	DURABLE GOODS	2,431	20	2,435	21	2,307	20
20-23,26-31	NONDURABLE GOODS	3,160	38	3,155	39	3,089	38
	<i>Durable Goods</i>						
19	ORDNANCE AND ACCESSORIES	87.3	26	89.6	26	89.0	26
192	Ammunition, except for small arms	67.4	28	69.7	27	68.9	27
1925	Complete guided missiles	26.3	19	27.7	19	29.1	19
1929	Ammunition, exc. for small arms, n e c	41.1	39	42.0	39	39.8	39
24	LUMBER AND WOOD PRODUCTS	62.7	10	62.4	10	57.8	9
241	Logging camps, & logging contractors	4.0	5	3.3	5	3.2	4
242	Sawmills and planing mills	12.9	5	13.0	6	12.5	5
2421	Sawmills and planing mills, general	9.3	5	9.1	5	9.3	5
243	Millwork, plywood & related products	19.6	12	20.0	12	17.9	11
2431	Millwork	10.2	14	10.4	14	9.5	13
2432	Veneer and plywood	8.1	11	8.1	11	7.1	9
244	Wooden containers	7.2	19	6.7	18	6.7	17
2441,2	Wooden boxes, shooks, and crates	5.8	19	5.4	19	5.4	18
249	Miscellaneous wood products	19.0	22	19.4	23	17.5	21
25	FURNITURE AND FIXTURES	115.3	24	117.2	24	103.7	22
251	Household furniture	88.8	26	89.8	26	79.7	24
2511	Wood household furniture	41.8	24	42.0	23	36.8	21
2512	Upholstered household furniture	25.9	30	26.4	29	24.1	29
2515	Mattresses and bedsprings	11.4	29	11.2	29	10.6	27
252	Office furniture	6.0	16	6.0	16	5.5	15
254	Partitions and fixtures	5.7	11	6.0	11	5.5	11
253,9	Other furniture and fixtures	14.8	28	15.4	29	13.0	25
32	STONE, CLAY, AND GLASS PRODUCTS	109.0	16	106.8	16	104.5	16
321	Flat glass	1.7	7	1.6	6	1.6	6
322	Glass and glassware, pressed or blown	44.3	33	42.7	33	43.5	33
3221	Glass containers	28.1	36	26.3	36	27.1	36
3229	Pressed and blown glass n e c	16.2	29	16.4	29	16.4	29
324	Cement, hydraulic	1.5	4	1.3	4	1.3	4
325	Structural clay products	7.7	12	7.4	11	7.6	11
3251	Brick and structural clay tile	1.5	5	1.3	4	1.1	4
326	Pottery and related products	14.3	32	14.8	33	13.5	31
327	Concrete, gypsum, and plaster products	10.6	5	10.1	5	10.0	5
328,9	Other stone and nonmetallic mineral products	20.7	14	20.4	15	19.2	14
3291	Abrasive products	5.7	20	5.7	21	5.7	21

ESTABLISHMENT DATA
WOMEN EMPLOYEES

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

SIC Code	Industry	July 1969		April 1969		July 1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Durable Goods--Continued</i>							
33	PRIMARY METAL INDUSTRIES.....	95.5	7	92.2	7	90.0	7
331	Blast furnace and basic steel products	29.2	4	27.7	4	28.5	4
3312	Blast furnaces and steel mills.....	22.2	4	20.6	4	21.8	4
332	Iron and steel foundries	12.1	5	11.1	5	11.5	5
3321	Gray iron foundries	6.5	5	5.9	4	5.7	4
3322	Malleable iron foundries.....	1.3	5	1.2	5	1.2	5
3323	Steel foundries.....	4.3	7	4.0	6	4.6	7
333,4	Nonferrous metals	4.1	5	3.7	4	3.7	5
3334	Primary aluminum.....	.9	3	.8	3	.8	4
335	Nonferrous rolling and drawing	32.5	15	31.6	15	29.4	15
3351	Copper rolling and drawing.....	3.4	8	3.6	8	3.6	8
3352	Aluminum rolling and drawing.....	6.8	10	6.5	9	6.1	10
3357	Nonferrous wire drawing and insulating.....	18.5	24	17.9	24	16.5	23
336	Nonferrous foundries.....	12.1	13	12.5	14	11.6	13
3361	Aluminum castings.....	4.7	10	5.0	11	4.6	10
3362,9	Other nonferrous castings	7.4	17	7.5	17	7.0	16
339	Miscellaneous primary metal products.....	5.5	7	5.6	7	5.3	7
3391	Iron and steel forgings.....	3.2	6	3.0	6	3.1	6
34	FABRICATED METAL PRODUCTS.....	268.0	19	268.2	19	242.3	18
341	Metal cans	11.3	16	11.1	16	11.3	17
342	Cutlery, hand tools, and hardware	55.3	33	56.6	33	50.1	31
3421, 3,5	Cutlery and hand tools, incl. saws	18.0	26	17.7	26	15.3	24
3429	Hardware, n e c.....	37.3	38	38.9	38	34.8	36
343	Plumbing and heating, except electric	13.2	16	13.3	16	12.0	15
3431,2	Sanitary ware & plumbers' brass goods.....	6.6	18	6.8	18	6.0	17
3433	Heating equipment, except electric.....	6.6	14	6.5	14	6.0	13
344	Fabricated structural metal products	43.3	10	41.2	10	40.2	10
3441	Fabricated structural steel.....	5.8	5	5.7	5	5.8	5
3442	Metal doors, sash, and trim	15.4	21	14.3	21	13.5	20
3443	Fabricated plate work (boiler shops).....	8.1	7	7.7	7	7.6	7
3444	Sheet metal work	9.8	12	9.5	12	9.3	12
3446,9	Architectural and misc. metal work	4.2	8	4.0	8	4.0	8
345	Screw machine products, bolts, etc.....	24.6	22	24.5	21	23.0	21
3451	Screw machine products.....	12.4	24	12.2	23	11.6	23
3452	Bolts, nuts, rivets, and washers	12.2	20	12.3	20	11.4	20
346	Metal stampings.....	53.2	22	53.3	21	45.7	20
347	Metal services, n e c.....	19.1	20	19.4	20	16.7	18
348	Misc. fabricated wire products	17.2	25	18.1	26	15.7	24
349	Misc. fabricated metal products.....	30.8	19	30.7	19	27.6	18
3494,8	Valves, pipe, and pipe fittings	16.9	18	16.9	18	15.3	16
35	MACHINERY, EXCEPT ELECTRICAL.....	297.2	15	295.7	16	281.5	14
351	Engines and turbines	16.3	14	15.9	14	15.1	14
3511	Steam engines and turbines	4.5	11	4.3	11	4.3	12
3519	Internal combustion engines, n e c.....	11.8	16	11.6	15	10.8	15
352	Farm machinery	13.2	10	13.5	10	13.0	9
353	Construction and related machinery	26.4	9	26.0	9	25.6	9
3531,2	Construction and mining machinery	12.0	8	11.8	8	12.0	8
3533	Oil field machinery.....	4.2	9	4.1	9	3.6	9
3535,6	Conveyors, hoists, cranes, monorails	4.8	11	4.7	11	4.7	11
3537	Industrial trucks and tractors	3.1	9	3.1	10	3.0	10
354	Metal working machinery	38.8	11	39.5	11	39.7	12
3541	Machine tools, metal cutting types	7.5	10	7.3	9	7.5	9
3544	Special dies, tools, jigs & fixtures	8.7	7	9.4	7	10.0	8
3545	Machine tool accessories.....	11.7	19	11.6	19	11.6	19
3542,8	Misc. metal working machinery	10.9	14	11.2	14	10.6	14
355	Special industry machinery.....	23.8	12	23.8	12	22.6	11
3551	Food products machinery.....	5.3	12	5.2	12	5.3	12
3552	Textile machinery	5.2	12	5.4	13	4.5	11
3555	Printing trades machinery	4.1	13	4.1	13	3.9	13
356	General industrial machinery	47.4	17	47.3	17	45.5	16
3561	Pumps and compressors.....	10.3	13	10.3	13	10.3	14
3562	Ball and roller bearings.....	14.6	24	14.7	24	14.3	24
3564	Blowers and fans	6.4	20	6.3	20	5.4	17
3566	Power transmission equipment	7.4	13	7.5	14	7.0	14
357	Office and computing machines	70.9	28	69.1	27	66.3	27
3573	Electronic computing equipment	45.0	27	43.5	27	51.4	26
358	Service industry machines	24.1	16	24.4	17	22.0	16
3585	Refrigeration machinery.....	14.2	15	14.1	15	12.4	14
359	Misc. machinery, except electrical	36.3	15	36.2	15	31.7	14

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	July 1969		April 1969		July 1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Durable Goods--Continued</i>							
36	ELECTRICAL EQUIPMENT AND SUPPLIES	814.6	40	816.6	40	765.5	39
361	Electrical rest & distributing equipment	68.8	32	69.1	33	63.7	31
3611	Electric measuring instruments	30.9	43	30.0	43	27.4	42
3612	Transformers	14.8	25	14.9	25	13.4	23
3613	Switchgear and switchboard apparatus	23.1	28	24.2	29	22.9	28
362	Electrical industrial apparatus	75.7	34	73.5	34	67.6	32
3621	Motors and generators	41.8	34	39.7	33	37.2	33
3622	Industrial controls	24.1	39	24.0	40	21.7	37
363	Household appliances	45.3	24	45.9	25	39.8	23
3632	Household refrigerators and freezers	10.6	17	11.4	18	9.3	16
3633	Household laundry equipment	4.1	16	3.9	16	3.7	15
3634	Electric housewares and fans	21.0	43	21.0	48	18.4	46
364	Electric lighting and wiring equipment	88.5	43	90.6	44	82.8	42
3641	Electric lamps	26.4	65	26.1	65	25.0	65
3642	Lighting fixtures	21.4	34	22.3	34	20.4	32
3643,4	Wiring devices	40.7	40	42.2	41	37.4	39
365	Radio and TV receiving equipment	86.6	56	87.4	57	86.0	58
366	Communication equipment	183.2	35	180.7	35	176.1	34
3661	Telephone and telegraph apparatus	63.0	44	59.4	44	54.0	42
3662	Radio and TV communication equipment	120.2	31	121.3	31	122.1	31
367	Electronic components and accessories	228.4	55	231.3	57	214.8	56
3671-3	Electron tubes	33.9	47	34.3	48	36.6	49
3674,9	Other electronic components	194.5	57	197.0	59	178.2	58
369	Misc. electrical equipment & supplies	38.1	31	38.1	31	34.7	29
3694	Engine electrical equipment	20.4	31	20.2	30	18.5	28
37	TRANSPORTATION EQUIPMENT	218.1	11	219.7	11	221.9	11
371	Motor vehicles and equipment	72.2	9	71.8	8	70.3	8
3711	Motor vehicles	23.1	7	21.7	6	22.6	6
3712	Passenger car bodies	2.0	3	2.2	3	2.2	3
3713	Truck and bus bodies	2.8	7	2.6	7	2.4	6
3714	Motor vehicle parts and accessories	42.9	12	43.9	11	41.8	11
3715	Truck trailers	1.4	4	1.4	4	1.3	5
372	Aircraft and parts	121.0	15	123.3	15	129.4	15
3721	Aircraft	75.5	15	76.1	16	79.8	16
3722	Aircraft engines and engine parts	26.5	14	27.5	14	28.8	14
3723,9	Other aircraft parts and equipment	19.0	15	19.7	15	20.8	14
373	Ship and boat building and repairing	9.3	5	9.4	5	8.2	5
3731	Ship building and repairing	5.8	4	5.7	4	5.6	4
3732	Boat building and repairing	3.5	8	3.7	8	2.6	7
374	Railroad equipment	3.5	7	3.4	6	3.2	7
375,9	Other transportation equipment	12.1	13	11.8	13	10.8	13
38	INSTRUMENTS AND RELATED PRODUCTS	170.6	36	172.7	37	160.2	35
381	Engineering & scientific instruments	19.0	24	20.2	25	19.9	25
382	Mechanical measuring & control devices	42.1	37	42.2	37	38.2	35
3821	Mechanical measuring devices	21.6	31	21.2	31	19.6	29
3822	Automatic temperature controls	20.5	45	21.0	47	18.6	45
383,5	Optical and ophthalmic goods	20.4	40	20.8	41	20.4	40
385	Ophthalmic goods	15.0	47	15.4	48	14.9	47
384	Medical instruments and supplies	37.2	48	37.3	49	34.0	47
386	Photographic equipment and supplies	29.9	26	28.9	26	27.6	25
387	Watches, clocks, and watchcases	22.0	63	23.3	63	20.1	61
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	192.8	44	193.5	44	190.3	44
391	Jewelry, silverware, and plated ware	20.0	40	21.3	41	19.2	40
394	Toys and sporting goods	68.4	54	62.7	53	65.1	53
3941-3	Games, toys, dolls, & play vehicles	45.3	60	38.2	58	43.6	60
3949	Sporting and athletic goods, n e c	23.1	45	24.5	46	21.5	44
395	Pens, pencils, office and art supplies	16.6	51	17.4	52	17.9	52
396	Costume jewelry and notions	33.2	56	33.5	55	32.2	55
393,8,9	Other manufacturing industries	54.6	33	58.6	34	55.9	34
393	Musical instruments and parts	8.5	35	8.5	34	6.8	29
<i>Nondurable Goods</i>							
20	FOOD AND KINDRED PRODUCTS	459.7	25	424.1	25	451.4	25
201	Meat products	98.1	29	90.1	28	94.0	28
2011	Meat packing plants	25.9	14	25.4	14	26.4	14
2013	Sausages and other prepared meats	17.2	30	16.9	29	17.0	29
2015	Poultry dressing plants	55.0	55	47.8	55	50.6	54
202	Dairy products	42.5	16	40.3	16	42.9	16
2024	Ice cream and frozen desserts	7.0	23	6.2	23	6.8	22

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	July 1969		April 1969		July 1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	FOOD AND KINDRED PRODUCTS--Continued						
2026	Fluid milk	24.8	14	23.9	13	25.5	14
203	Canned, cured, and frozen foods	120.1	41	99.8	42	119.3	41
2031,6	Canned, cured, and frozen sea foods	27.1	58	24.8	60	29.0	61
2032,3	Canned food, except sea foods	54.5	34	35.0	32	55.3	34
2037	Frozen fruits and vegetables	23.9	44	28.3	49	21.3	41
204	Grain mill products	20.2	14	19.1	14	19.1	14
2041	Flour and other grain mill products	3.4	11	3.4	11	3.2	10
2042	Prepared feeds for animals and fowls	8.7	13	8.2	13	8.0	12
205	Bakery products	67.9	24	66.6	24	70.1	25
2051	Bread, cake, and related products	47.8	20	46.8	20	48.3	20
2052	Cookies and crackers	20.1	47	19.8	47	21.8	48
206	Sugar	3.0	9	3.0	9	2.6	8
207	Confectionery and related products	39.4	49	39.9	50	37.2	48
2071	Confectionery products	32.9	52	34.1	52	31.1	51
208	Beverages	31.7	13	28.5	12	29.0	12
2082	Malt liquors	4.0	7	3.7	6	3.7	6
2086	Bottled and canned soft drinks	13.0	9	12.4	10	12.6	9
209	Misc. foods and kindred products	36.8	26	36.8	26	37.2	26
21	TOBACCO MANUFACTURES	30.8	43	31.9	45	32.1	42
211	Cigarettes	14.5	35	13.8	35	15.0	35
212	Cigars	12.3	69	14.2	71	13.4	70
22	TEXTILE MILL PRODUCTS	447.8	46	454.5	46	448.3	45
221	Weaving mills, cotton	92.5	41	92.9	41	92.5	40
222	Weaving mills, synthetics	36.7	37	36.9	36	36.0	36
223	Weaving and finishing mills, wool	16.1	37	16.9	37	16.5	37
224	Narrow fabric mills	18.5	59	18.8	59	17.4	58
225	Knitting mills	166.1	68	169.5	69	170.7	68
2251	Women's hosiery, except socks	50.8	78	51.3	78	49.4	78
2252	Hosiery, n e c	27.7	73	27.3	73	28.9	73
2253	Knit outerwear mills	50.3	72	52.9	74	55.5	73
2254	Knit underwear mills	24.2	70	24.4	71	23.8	71
226	Textile finishing, except wool	21.2	26	21.5	26	20.7	25
227	Floor covering mills	18.3	35	18.1	34	16.5	34
228	Yarn and thread mills	56.9	47	57.3	47	56.0	47
229	Miscellaneous textile goods	21.5	28	22.6	28	22.0	28
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,102.2	80	1,136.1	81	1,085.7	80
231	Men's and boys' suits and coats	94.8	73	98.5	72	91.1	72
232	Men's and boys' furnishings	309.7	84	314.1	84	302.9	84
2321	Men's and boys' shirts and nightwear	105.7	88	105.1	88	106.5	88
2327	Men's and boys' separate trousers	65.4	82	67.4	82	64.3	82
2328	Men's and boys' work clothing	69.9	82	71.1	83	65.9	82
233	Women's and misses' outerwear	346.7	84	362.2	85	337.8	83
2331	Women's and misses' blouses and waists	44.2	88	45.6	89	45.1	88
2335	Women's and misses' dresses	162.2	86	181.7	87	158.5	85
2337	Women's and misses' suits and coats	70.5	76	57.7	75	68.7	74
2339	Women's and misses' outerwear, n e c	69.8	85	77.2	86	65.5	84
234	Women's and children's undergarments	104.5	86	109.7	87	105.1	86
2341	Women's and children's underwear	72.1	87	75.2	87	71.9	87
2342	Corsets and allied garments	32.4	85	34.5	85	33.2	85
235	Hats, caps, and millinery	14.2	71	13.8	70	16.0	66
236	Children's outerwear	68.5	86	68.7	87	69.2	86
2361	Children's dresses and blouses	31.1	89	31.0	90	31.5	89
237,8	Fur goods and miscellaneous apparel	56.6	73	56.4	74	56.8	72
239	Misc. fabricated textile products	107.2	64	112.7	65	106.8	65
2391,2	Housefurnishings	44.5	73	46.0	72	43.6	72
26	PAPER AND ALLIED PRODUCTS	152.4	21	151.9	22	147.9	21
261,2,6	Paper and pulp mills	24.8	11	23.7	11	24.7	11
263	Paperboard mills	5.9	8	5.8	8	5.8	8
264	Misc. converted paper products	65.7	35	66.0	36	63.9	35
2643	Bags, except textile bags	13.8	33	14.8	35	14.3	34
265	Paperboard containers and boxes	56.0	24	56.4	25	53.5	24
2651,2	Folding and setup paperboard boxes	24.7	35	24.4	35	23.4	34
2653	Corrugated and solid fiber boxes	15.2	14	15.5	15	14.6	14
2654	Sanitary food containers	10.4	32	11.0	33	10.2	32

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	July 1969		April 1969		July 1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Nondurable Goods--Continued</i>							
27	PRINTING AND PUBLISHING	347.3	32	343.0	32	331.9	31
271	Newspapers	94.2	26	91.3	25	88.5	25
272	Periodicals	37.1	47	37.1	48	36.1	47
273	Books	45.3	47	45.7	48	44.8	47
275	Commercial printing	92.3	27	93.6	27	88.8	26
2751	Commercial printing, ex. lithographic	56.0	27	56.7	27	54.0	26
2752	Commercial printing, lithographic	32.2	27	32.6	27	30.9	26
278	Blankbooks and bookbinding	29.8	50	28.9	50	27.9	49
274,6,7,9	Other publishing & printing ind.	48.6	34	46.4	33	45.8	33
28	CHEMICALS AND ALLIED PRODUCTS	226.2	21	215.9	21	210.7	20
281	Industrial chemicals	40.0	13	33.7	11	34.2	11
2812	Alkalies and chlorines	2.0	8	2.0	8	2.1	8
2818	Industrial organic chemicals, n e c	22.3	17	16.5	13	17.1	13
2819	Industrial inorganic chemicals, n e c	9.7	10	9.3	10	9.2	10
282	Plastics materials and synthetics	37.8	17	37.2	17	36.1	17
2821	Plastics materials and resins	9.2	9	9.0	9	8.6	9
2823,4	Synthetic fibers	27.6	24	27.2	24	26.4	24
283	Drugs	58.7	40	55.6	40	54.7	39
2834	Pharmaceutical preparations	49.1	43	46.6	43	45.3	42
284	Soap, cleaners, and toilet goods	47.8	38	47.0	39	44.6	38
2841	Soap and other detergents	8.9	22	9.0	23	9.2	23
2844	Toilet preparations	29.2	56	28.4	56	26.5	56
285	Paints and allied products	11.4	15	11.2	16	11.4	16
287	Agricultural chemicals	5.7	11	5.5	9	5.6	11
2871,2	Fertilizers, complete & mixing only	3.1	9	3.1	7	3.0	9
286,9	Other chemical products	24.8	21	25.7	21	24.1	20
2892	Explosives	11.2	24	11.7	25	11.1	23
29	PETROLEUM AND COAL PRODUCTS	17.7	9	17.5	9	17.3	9
291	Petroleum refining	13.5	9	13.4	9	13.3	9
295,9	Other petroleum and coal products	4.2	11	4.1	11	4.0	10
30	RUBBER AND PLASTICS PRODUCTS, NEC	181.8	32	184.4	32	169.3	31
301	Tires and inner tubes	13.0	11	12.9	11	12.9	11
302,3,6	Other rubber products	60.8	34	63.4	34	59.6	33
302	Rubber footwear	13.5	54	14.3	55	14.3	54
307	Miscellaneous plastics products	108.0	39	108.1	39	96.8	38
31	LEATHER AND LEATHER PRODUCTS	194.0	57	195.2	57	194.6	56
311	Leather tanning and finishing	3.9	13	3.9	13	3.9	13
314	Footwear, except rubber	141.1	63	141.6	63	141.2	62
312,3,5-7,9	Other leather products	49.0	56	49.7	56	49.5	57
316	Luggage	10.8	50	10.4	49	9.7	49
317	Handbags and personal leather goods	24.0	67	24.0	68	24.9	67
-	TRANSPORTATION AND PUBLIC UTILITIES	930	21	901	20	876	20
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	20.9	8	27.5	10	19.7	7
411	Local and suburban transportation	4.8	6	4.7	6	5.0	6
412	Taxicabs	5.1	5	5.2	5	5.1	5
413	Intercity highway transportation	4.6	10	4.2	10	4.2	9
42	TRUCKING AND WAREHOUSING	98.0	9	94.8	9	91.7	9
421,3	Trucking and trucking terminals	86.7	8	83.7	9	80.9	8
422	Public warehousing	11.3	13	11.1	14	10.8	13
45	TRANSPORTATION BY AIR	90.8	25	87.9	25	82.5	25
451,2	Air transportation	88.0	27	85.2	27	80.0	27
46	PIPE LINE TRANSPORTATION	1.6	8	1.6	9	1.6	8
44	WATER TRANSPORTATION	16.3	6	16.2	6	16.1	7
47	TRANSPORTATION SERVICES	22.9	22	22.1	22	20.8	21
48	COMMUNICATION	544.9	50	519.4	50	510.0	51
481	Telephone communication	500.1	55	475.6	55	468.5	57
483	Radio and television broadcasting	31.3	24	30.3	24	28.3	23
49	ELECTRIC, GAS, AND SANITARY SERVICES	102.7	15	99.6	15	100.9	15
491	Electric companies and systems	42.4	15	40.8	15	41.3	15
492	Gas companies and systems	27.5	17	26.4	17	26.7	16

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	July 1969		April 1969		July 1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	ELECTRIC, GAS, AND SANITARY SERVICES--Cont'd						
493	Combination companies and systems	26.4	14	26.2	15	26.7	16
494-7	Water, steam, & sanitary systems	6.4	13	6.2	13	6.4	13
	WHOLESALE AND RETAIL TRADE	5,767	39	5,662	39	5,452	39
	WHOLESALE TRADE	873	23	842	23	817	22
501	Motor vehicles & automotive equipment	58.7	19	56.1	19	53.5	18
502	Drugs, chemicals, and allied products	80.1	34	79.9	35	74.0	33
503	Dry goods and apparel	68.6	46	67.0	46	65.4	44
504	Groceries and related products	126.5	22	111.2	21	115.5	21
506	Electrical goods	75.7	24	72.8	24	68.5	23
507	Hardware; plumbing & heating equipment	38.6	22	37.4	22	36.2	22
508	Machinery, equipment, and supplies	137.0	18	133.6	18	127.2	18
509	Miscellaneous wholesalers	273.5	22	268.5	22	260.8	22
	RETAIL TRADE	4,894	45	4,820	45	4,635	44
	RETAIL GENERAL MERCHANDISE	1,513.6	68	1,505.4	69	1,420.1	69
531	Department stores	996.0	69	987.4	69	925.7	69
532	Mail order houses	70.8	59	72.3	61	69.7	59
533	Variety stores	248.0	78	249.8	78	233.8	78
54	FOOD STORES	561.8	35	580.0	35	544.1	34
541-3	Grocery, meat, and vegetables stores	486.8	32	483.0	32	453.7	32
56	APPAREL AND ACCESSORY STORES	446.9	67	462.6	66	435.3	66
561	Men's & boys' clothing & furnishings	48.2	41	48.8	41	45.7	40
562	Women's ready-to-wear stores	222.8	88	229.4	89	218.6	88
565	Family clothing stores	72.7	70	75.2	71	70.9	69
566	Shoe stores	49.9	39	52.7	38	48.9	37
57	FURNITURE AND HOME FURNISHINGS STORES	132.9	30	132.0	30	127.3	30
571	Furniture and home furnishings	87.0	31	86.0	31	82.7	30
58	EATING AND DRINKING PLACES	1,419.0	57	1,350.9	56	1,338.9	56
52,55,59	OTHER RETAIL TRADE	799.7	24	789.3	24	769.1	24
52	Building materials and farm equipment	90.2	16	86.3	16	86.5	16
55	Automotive dealers & service stations	187.7	12	180.1	11	178.0	11
551,2	Motor vehicle dealers	86.7	11	84.7	11	81.5	11
553,9	Other automotive & accessory dealers	31.9	14	29.7	14	29.7	14
59	Miscellaneous retail stores	521.8	45	522.9	45	504.6	44
591	Drug stores and proprietary stores	256.9	60	258.6	60	249.3	59
594	Book and stationery stores	25.4	43	26.5	44	25.2	44
596	Farm and garden supply stores	21.1	20	22.1	20	17.7	17
598	Fuel and ice dealers	17.8	17	18.4	17	17.2	17
	FINANCE, INSURANCE, AND REAL ESTATE	1,871	52	1,801	51	1,741	51
60	Banking	633.0	63	603.4	63	580.4	62
61	Credit agencies other than banks	202.1	55	196.3	55	193.5	55
612	Savings and loan associations	70.2	66	67.2	65	66.2	65
614	Personal credit institutions	94.7	49	93.0	49	92.6	49
62	Security, commodity brokers & services	79.7	36	77.0	35	67.8	35
63	Insurance carriers	529.6	52	512.0	51	498.2	50
631	Life insurance	234.8	45	226.6	43	218.0	43
632	Accident and health insurance	63.2	72	61.5	72	60.0	72
633	Fire, marine, and casualty insurance	204.9	56	198.4	56	195.2	56
64	Insurance agents, brokers, and service	158.9	58	152.1	57	148.0	57
65	Real estate	225.6	34	219.4	35	215.1	34
655	Subdividers and developers	16.8	18	16.0	20	16.0	19
656	Operative builders	7.1	15	6.6	15	5.9	13
66,67	Other finance, insurance, & real estate	41.6	50	40.5	51	38.3	49
	SERVICES	6,012	53	5,936	54	5,674	53
	Hotels and other lodging places:						
701	Hotels, tourist courts, and motels	366.7	51	328.8	50	355.6	50
72	Personal services	632.4	61	631.0	62	638.9	62
721	Laundries and dry cleaning plants	359.0	66	353.1	66	367.2	66
722	Photographic studios	21.5	55	23.0	57	20.9	55

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	July 1969		April 1969		July 1968	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	<i>Nondurable Goods--Continued</i>						
	SERVICES - Continued						
73	Miscellaneous business services	511.8	34	494.6	34	469.5	33
731	Advertising	50.6	42	50.0	42	50.0	42
732	Credit reporting and collection	54.5	73	53.1	73	52.8	73
734	Services to buildings	79.0	30	77.1	30	72.3	30
76	Miscellaneous repair services	27.6	15	27.3	15	25.1	14
78	Motion pictures	74.5	34	69.7	34	71.4	34
781	Motion picture filming & distributing	15.0	28	14.7	31	15.0	27
782,3	Motion picture theaters and services	59.5	35	55.0	35	56.4	36
80	Medical and other health services	2,330.5	81	2,270.2	81	2,142.4	80
806	Hospitals	1,446.9	81	1,418.0	81	1,357.8	81
81	Legal services	141.8	62	137.5	64	133.6	62
82	Educational services	438.1	45	559.8	48	414.1	45
821	Elementary and secondary schools	178.0	56	237.4	61	166.1	54
822	Colleges and universities	220.1	39	277.2	41	210.0	39
89	Miscellaneous services	143.3	23	140.1	23	130.3	22
891	Engineering & architectural services	45.5	15	43.4	15	42.2	14
892	Nonprofit research agencies	29.0	30	28.5	30	28.3	30
-	GOVERNMENT	4,524	38	5,277	43	4,439	39
91	FEDERAL GOVERNMENT	744	26	727	26	745	26
92,93	STATE AND LOCAL GOVERNMENT	3,780	42	4,550	48	3,694	43
92	State government	986.7	40	1,054.3	41	956.9	40
	State education	351.5	39	433.2	40	329.4	40
	Other State government	635.2	41	621.1	42	627.5	41
--	Local government	2,793.4	43	3,496.0	50	2,737.4	44
	Local education	1,778.1	53	2,541.2	63	1,797.6	56
	Other local government	1,015.3	32	954.8	32	939.8	31

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	65.2	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	78.1	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: 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.....	133.7	81.7	118.9	121.5	110.0	134.3	130.3	135.8	141.0	160.5	155.9	125.4	167.9
1969: August....	134.2	81.9	118.1	122.5	110.0	134.6	130.4	136.1	141.5	161.3	156.0	124.3	168.4
1969: September..	134.2	81.9	118.3	121.7	110.0	134.9	130.8	136.4	141.9	161.8	156.6	124.2	169.3
1969: October..	134.6	82.2	118.0	121.6	109.8	135.6	131.4	137.1	142.3	163.2	156.8	123.8	169.8

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	1969											1968	
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
TOTAL	70,673	70,486	70,500	70,247	70,300	70,013	69,789	69,710	69,487	69,199	68,875	68,664	68,427
MINING	633	631	631	629	622	622	624	626	628	626	623	622	573
CONTRACT CONSTRUCTION	3,406	3,414	3,410	3,434	3,466	3,407	3,363	3,374	3,366	3,338	3,330	3,313	3,305
MANUFACTURING	20,190	20,201	20,334	20,164	20,198	20,118	20,111	20,122	20,061	19,999	19,958	19,897	19,840
DURABLE GOODS	11,953	11,965	12,081	11,912	11,931	11,874	11,868	11,881	11,839	11,819	11,744	11,700	11,649
Ordnance and accessories	310	315	325	332	337	342	343	346	346	349	351	347	333
Lumber and wood products	591	594	598	600	607	610	604	608	607	606	603	600	600
Furniture and fixtures	491	491	493	491	496	496	496	494	494	490	485	484	480
Stone, clay, and glass products	661	660	659	658	662	656	658	664	666	664	658	652	649
Primary metal industries	1,382	1,380	1,361	1,348	1,347	1,333	1,326	1,332	1,330	1,321	1,313	1,300	1,294
Fabricated metal products	1,461	1,464	1,465	1,456	1,456	1,453	1,450	1,451	1,444	1,437	1,426	1,420	1,411
Machinery, except electrical	2,031	2,023	2,005	2,007	2,010	1,999	1,999	1,993	1,997	1,981	1,971	1,974	1,966
Electrical equipment	2,078	2,073	2,076	2,070	2,063	2,058	2,046	2,036	2,026	2,013	1,996	1,988	1,982
Transportation equipment	2,040	2,057	2,183	2,032	2,035	2,009	2,029	2,042	2,020	2,045	2,031	2,031	2,034
Instruments and related products	469	469	473	471	473	474	472	470	468	466	465	465	463
Miscellaneous manufacturing	439	439	443	447	445	444	445	445	441	447	445	439	437
NONDURABLE GOODS	8,237	8,236	8,253	8,252	8,267	8,244	8,243	8,241	8,222	8,180	8,214	8,197	8,191
Food and kindred products	1,797	1,796	1,797	1,787	1,789	1,793	1,795	1,793	1,801	1,792	1,789	1,781	1,782
Tobacco manufactures	78	80	83	81	81	82	81	83	82	84	81	82	83
Textile mill products	976	978	979	988	990	987	991	995	999	1,000	998	997	994
Apparel and other textile products	1,411	1,412	1,414	1,423	1,429	1,426	1,425	1,417	1,409	1,424	1,412	1,412	1,416
Paper and allied products	721	718	718	716	717	714	710	714	713	709	706	704	700
Printing and publishing	1,097	1,093	1,089	1,084	1,083	1,075	1,078	1,078	1,077	1,076	1,074	1,072	1,070
Chemicals and allied products	1,050	1,050	1,052	1,054	1,055	1,046	1,044	1,045	1,044	1,040	1,040	1,038	1,034
Petroleum and coal products	191	189	190	191	191	190	190	187	170	128	189	188	187
Rubber and plastics products, nec	582	584	586	585	584	581	579	579	577	573	571	567	568
Leather and leather products	334	336	345	343	348	350	350	350	350	354	354	356	357
TRANSPORTATION AND PUBLIC UTILITIES	4,476	4,482	4,484	4,483	4,467	4,444	4,439	4,399	4,373	4,353	4,360	4,352	4,341
WHOLESALE AND RETAIL TRADE	14,811	14,731	14,702	14,671	14,665	14,609	14,533	14,508	14,468	14,412	14,271	14,291	14,265
WHOLESALE TRADE	3,805	3,788	3,776	3,773	3,774	3,758	3,737	3,726	3,714	3,701	3,678	3,669	3,660
RETAIL TRADE	11,006	10,943	10,926	10,898	10,891	10,851	10,796	10,782	10,754	10,711	10,593	10,622	10,605
FINANCE, INSURANCE, AND REAL ESTATE	3,601	3,590	3,581	3,568	3,557	3,541	3,531	3,515	3,502	3,490	3,463	3,453	3,433
SERVICES	11,251	11,153	11,120	11,067	11,066	11,065	11,044	11,034	10,967	10,900	10,838	10,787	10,721
Hotels and other lodging places	738	721	704	706	724	730	741	745	733	733	729	724	722
Personal services	1,021	1,025	1,026	1,030	1,026	1,025	1,024	1,026	1,027	1,028	1,032	1,031	1,027
Medical and other health services	2,918	2,898	2,874	2,861	2,850	2,831	2,813	2,795	2,778	2,762	2,737	2,721	2,702
Educational services	1,120	1,103	1,094	1,099	1,102	1,120	1,119	1,117	1,112	1,090	1,096	1,090	1,080
GOVERNMENT	12,305	12,284	12,238	12,231	12,259	12,207	12,144	12,132	12,122	12,081	12,032	11,949	11,949
FEDERAL	2,741	2,749	2,752	2,777	2,790	2,754	2,758	2,759	2,767	2,760	2,724	2,709	2,708
STATE AND LOCAL	9,564	9,535	9,486	9,454	9,469	9,453	9,386	9,373	9,355	9,321	9,308	9,240	9,241

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		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
TOTAL	18,118	18,138	18,267	18,142	18,203	18,092	18,054	18,101	18,063	17,993	17,928	17,859	17,762
MINING	485	484	483	481	473	474	476	477	480	477	475	474	430
CONTRACT CONSTRUCTION	2,867	2,875	2,862	2,889	2,919	2,878	2,839	2,853	2,852	2,832	2,818	2,791	2,787
MANUFACTURING	14,766	14,779	14,922	14,772	14,811	14,740	14,739	14,771	14,731	14,684	14,635	14,594	14,545
DURABLE GOODS	8,695	8,703	8,823	8,668	8,687	8,630	8,634	8,654	8,628	8,606	8,536	8,505	8,462
Ordnance and accessories	170	174	181	187	188	192	193	197	195	196	195	195	183
Lumber and wood products	513	515	518	520	528	530	525	528	527	528	524	520	519
Furniture and fixtures	407	408	410	408	411	412	413	410	410	407	402	400	397
Stone, clay, and glass products	529	529	527	526	532	526	529	535	537	534	530	524	522
Primary metal industries	1,111	1,107	1,087	1,077	1,076	1,062	1,057	1,063	1,058	1,051	1,044	1,031	1,027
Fabricated metal products	1,121	1,124	1,128	1,122	1,122	1,121	1,118	1,121	1,115	1,109	1,100	1,095	1,089
Machinery, except electrical	1,390	1,383	1,366	1,369	1,377	1,366	1,370	1,363	1,370	1,359	1,346	1,354	1,341
Electrical equipment and supplies	1,389	1,382	1,387	1,388	1,379	1,381	1,369	1,364	1,355	1,344	1,330	1,324	1,321
Transportation equipment	1,436	1,450	1,582	1,430	1,434	1,399	1,420	1,432	1,426	1,439	1,427	1,430	1,434
Instruments and related products	288	289	292	291	292	294	292	292	289	288	287	287	286
Miscellaneous manufacturing industries	341	342	345	350	348	347	348	349	346	351	351	345	343
NONDURABLE GOODS	6,071	6,076	6,099	6,104	6,124	6,110	6,105	6,117	6,103	6,078	6,099	6,089	6,083
Food and kindred products	1,201	1,202	1,204	1,197	1,201	1,206	1,205	1,208	1,215	1,205	1,202	1,194	1,194
Tobacco manufactures	65	67	70	68	69	69	68	69	69	71	69	70	70
Textile mill products	859	862	863	873	873	871	875	880	883	885	883	883	880
Apparel and other textile products	1,239	1,240	1,242	1,248	1,255	1,255	1,252	1,246	1,238	1,254	1,243	1,245	1,249
Paper and allied products	559	556	557	555	556	554	549	555	555	550	549	546	543
Printing and publishing	681	679	676	675	674	669	672	673	672	673	671	670	668
Chemicals and allied products	612	613	619	620	623	617	617	620	620	617	617	616	613
Petroleum and coal products	119	118	118	119	119	118	118	116	101	73	119	119	119
Rubber and plastics products, nec	451	452	454	455	455	451	449	449	448	444	441	439	440
Leather and leather products	285	287	296	294	299	300	300	301	302	306	305	307	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		
		Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
1	ALABAMA	993.6	987.7	970.9	8.0	8.0	8.0	58.1	59.0	54.3	316.4	316.7	308.7
2	Birmingham	254.9	255.8	248.8	5.6	5.5	5.5	16.0	16.3	15.6	70.9	71.4	67.7
3	Huntsville	76.2	76.7	76.4	(1)	(1)	(1)	3.2	3.4	3.2	12.0	11.9	12.0
4	Mobile	104.7	104.1	103.3	(1)	(1)	(1)	6.7	6.8	6.7	24.9	25.2	23.9
5	Montgomery	68.2	69.0	66.2	(1)	(1)	(1)	5.3	5.6	5.0	10.6	10.6	10.0
6	Tuscaloosa	36.8	35.7	35.6	(1)	(1)	(1)	2.7	2.6	2.5	10.2	10.3	10.0
7	ALASKA	91.8	96.4	87.3	3.7	3.7	2.6	10.2	10.0	8.6	6.8	11.3	8.5
8	ARIZONA ²	516.6	513.2	480.1	18.4	18.6	17.2	34.0	33.8	28.9	94.7	94.3	86.9
9	Phoenix ²	307.9	303.7	283.7	.2	.2	.1	18.9	18.8	16.4	75.5	75.1	69.2
10	Tucson ²	98.0	97.4	90.0	5.5	5.4	5.1	9.6	9.6	7.3	8.5	8.5	7.4
11	ARKANSAS	535.5	539.2	517.5	4.8	4.9	4.9	37.2	37.9	33.9	165.8	168.1	160.2
12	Fayetteville	25.6	25.2	24.7	(1)	(1)	(1)	1.9	1.9	1.9	7.9	8.1	7.3
13	Fort Smith	43.4	42.5	43.0	.5	.5	.5	1.8	1.7	2.5	16.2	15.6	15.3
14	Little Rock-North Little Rock	121.2	121.5	118.1	(1)	(1)	(1)	9.1	9.1	9.1	27.5	27.9	25.3
15	Pine Bluff	25.0	24.8	24.5	(1)	(1)	(1)	1.3	1.4	1.6	5.9	5.9	5.8
16	CALIFORNIA	6,993.6	6,934.1	6,749.6	32.4	32.8	32.5	311.3	278.6	300.7	1,694.5	1,694.5	1,682.4
17	Anaheim-Santa Ana-Garden Grove ²	406.9	401.3	384.7	2.0	2.1	2.1	21.9	17.1	20.2	129.5	128.7	129.9
18	Bakersfield	91.5	91.3	89.1	7.3	7.4	7.2	5.9	5.3	5.6	8.6	8.4	8.3
19	Fresno	120.5	118.4	116.6	.7	.7	.7	5.4	5.3	5.1	21.0	20.8	19.5
20	Los Angeles-Long Beach	2,877.6	2,855.6	2,815.4	11.4	11.4	11.3	102.8	81.9	102.8	875.3	879.2	877.1
21	Modesto-Turlock	60.5	59.2	59.1	.1	.1	.1	3.3	3.5	3.1	20.4	18.8	20.5
22	Oxnard-Ventura ²	91.0	90.4	87.3	1.9	2.0	1.9	4.1	3.8	3.4	15.6	14.9	15.6
23	Sacramento	263.0	260.3	257.9	.3	.2	.3	11.7	11.5	11.8	27.8	27.5	28.4
24	Salinas-Monterey	63.3	63.1	61.4	.4	.4	.4	2.8	2.8	2.7	7.9	7.7	7.5
25	San Bernardino-Riverside-Ontario ²	287.2	282.5	271.0	2.2	2.2	2.2	14.0	12.0	13.2	54.7	54.7	51.9
26	San Diego ²	377.3	376.1	351.1	.5	.5	.5	21.2	20.3	18.2	69.6	69.8	66.0
27	San Francisco-Oakland	1,272.2	1,264.8	1,229.0	1.8	1.7	1.7	65.6	65.1	62.8	215.7	215.2	214.5
28	San Jose	378.6	379.5	365.0	.1	.1	.1	19.5	19.6	18.3	135.4	136.3	134.4
29	Santa Barbara ²	80.1	78.2	76.9	1.0	1.0	1.0	4.5	4.1	4.0	10.5	10.4	10.0
30	Santa Rosa	49.7	50.1	47.0	.3	.3	.2	2.9	2.8	2.6	7.4	8.0	8.2
31	Stockton	95.6	93.5	92.3	.1	.1	.1	3.5	3.7	3.6	23.7	22.0	21.3
32	Vallejo-Napa	67.3	67.0	67.3	.2	.2	.2	2.7	2.7	2.8	7.5	7.6	8.4
33	COLORADO	(*)	714.9	694.7	(*)	13.1	13.4	(*)	38.5	37.9	(*)	114.9	109.3
34	Denver	(*)	454.1	439.6	(*)	4.2	4.2	(*)	26.6	25.2	(*)	82.7	78.3
35	CONNECTICUT	1,173.4	1,161.6	1,170.7	(3)	(3)	(3)	57.5	57.5	56.6	465.3	460.8	477.2
36	Bridgeport	150.1	150.7	151.1	(3)	(3)	(3)	6.1	6.2	6.3	74.3	74.8	77.7
37	Hartford	315.4	312.3	313.2	(3)	(3)	(3)	15.9	15.6	15.3	106.2	103.7	111.3
38	New Britain	46.7	46.2	46.9	(3)	(3)	(3)	2.1	2.1	2.5	24.5	24.4	25.2
39	New Haven	151.1	149.3	152.9	(3)	(3)	(3)	7.9	8.1	8.0	42.3	41.2	46.5
40	Stamford	79.5	79.7	76.8	(3)	(3)	(3)	4.1	4.3	4.2	27.4	27.5	26.6
41	Waterbury	80.1	79.4	78.7	(3)	(3)	(3)	3.9	4.0	3.8	39.5	39.1	40.9
42	DELAWARE	210.5	213.0	206.7	(1)	(1)	(1)	15.3	15.1	16.2	74.8	75.8	74.2
43	Wilmington	183.7	185.8	183.8	(1)	(1)	(1)	12.0	11.8	12.6	70.4	70.7	70.1
44	DISTRICT OF COLUMBIA ⁴	(*)	(*)	669.5	(*)	(*)	(1)	(*)	(*)	20.3	(*)	(*)	20.4
45	Washington SMSA	(*)	(*)	1,076.7	(*)	(*)	(1)	(*)	(*)	65.1	(*)	(*)	43.8
46	FLORIDA	1,997.1	1,969.5	1,923.6	8.4	8.4	8.3	169.9	169.5	148.3	304.1	305.0	304.9
47	Fort Lauderdale-Hollywood	150.8	151.0	136.9	(1)	(1)	(1)	21.7	21.6	18.0	19.8	20.0	18.4
48	Jacksonville	187.5	185.8	183.3	(1)	(1)	(1)	11.2	11.2	11.1	24.6	24.9	23.6
49	Miami	461.2	455.3	440.2	(1)	(1)	(1)	28.7	28.7	28.6	73.0	71.6	70.9
50	Orlando	130.3	128.1	121.4	(1)	(1)	(1)	12.5	12.3	11.0	20.9	21.2	21.3
51	Pensacola	66.9	66.0	64.5	(1)	(1)	(1)	5.5	5.6	5.2	14.3	14.3	14.0
52	Tampa-St. Petersburg	288.2	282.6	276.2	(1)	(1)	(1)	22.0	21.9	20.8	52.9	52.4	50.6
53	West Palm Beach	99.5	97.4	90.4	(1)	(1)	(1)	10.1	10.0	8.6	19.3	19.1	17.1
54	GEORGIA	1,501.6	1,507.7	1,451.5	7.0	7.0	7.0	81.4	84.6	80.1	470.2	476.8	456.3
55	Atlanta	588.4	591.8	561.6	(1)	(1)	(1)	36.2	37.9	37.2	127.8	131.6	120.2

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	
55.0	55.3	54.7	185.3	183.7	182.8	40.9	41.0	40.2	130.4	131.1	127.1	199.5	192.9	195.1	1
19.4	19.7	18.7	57.4	57.3	57.5	17.2	17.3	16.9	34.9	35.0	33.9	33.5	33.3	33.0	2
1.7	1.7	1.7	11.4	11.4	11.2	1.8	1.8	1.9	16.9	17.3	17.7	29.2	29.2	28.7	3
9.9	9.6	10.0	25.0	25.0	24.8	4.7	4.8	4.6	16.8	16.7	15.8	16.7	16.0	17.5	4
4.5	4.5	4.5	15.8	15.8	15.2	4.5	4.4	4.1	10.1	10.3	10.1	17.4	17.8	17.3	5
1.5	1.6	1.5	5.8	5.7	5.8	1.2	1.2	1.1	3.2	3.2	3.3	12.2	11.1	11.4	6
9.0	8.6	8.7	14.3	14.2	13.4	2.7	2.7	2.6	11.3	11.5	10.0	33.8	34.4	32.9	7
28.5	28.8	27.2	116.7	115.4	107.4	27.3	27.1	24.9	84.6	85.4	77.6	112.4	109.8	110.0	8
16.5	16.5	15.6	74.5	73.5	67.7	20.3	20.1	18.1	48.9	48.2	44.8	53.1	51.3	51.8	9
5.6	5.6	5.4	21.3	20.9	19.6	4.1	4.1	3.8	17.9	17.7	16.7	25.5	25.6	24.7	10
31.0	30.7	30.6	105.0	105.0	103.1	21.1	21.4	20.3	73.2	72.7	69.7	97.4	98.5	94.8	11
2.0	1.9	1.9	4.4	4.3	4.5	.6	.6	.6	3.0	3.1	3.0	5.8	5.3	5.5	12
2.6	2.6	2.6	8.7	8.8	8.7	1.4	1.4	1.4	6.5	6.6	6.3	5.7	5.3	5.7	13
9.6	9.5	9.1	25.3	25.4	25.7	8.7	8.7	8.4	17.8	17.9	17.5	23.2	23.0	23.0	14
3.2	3.2	3.1	4.5	4.6	4.6	.9	.9	.8	3.2	3.3	3.1	6.0	5.5	5.5	15
472.6	473.5	455.6	1,513.0	1,506.3	1,446.8	366.0	367.0	348.8	1,214.7	1,219.3	1,157.8	1,389.1	1,362.1	1,325.0	16
13.3	13.0	12.0	93.5	93.3	84.8	19.3	19.2	17.7	66.3	67.2	60.8	61.1	60.7	57.2	17
6.4	6.5	6.2	20.2	20.6	19.8	3.4	3.5	3.2	14.1	14.0	13.4	25.6	25.6	25.4	18
8.1	8.3	8.5	32.4	32.9	31.8	5.3	5.4	5.2	21.1	21.1	20.0	26.5	23.9	25.8	19
178.7	179.1	172.4	625.8	623.8	603.4	161.8	162.3	156.0	523.7	527.7	507.1	398.1	390.2	385.3	20
3.1	2.9	3.0	11.8	11.8	11.8	1.5	1.5	1.3	9.8	9.9	9.2	10.5	10.7	10.1	21
4.2	4.2	3.7	19.4	19.7	18.5	3.1	3.1	3.0	14.5	14.4	13.1	28.2	28.3	28.1	22
18.5	18.5	18.7	53.9	52.7	52.7	10.3	10.3	10.1	36.6	36.4	35.5	103.9	103.2	100.4	23
4.1	4.1	4.1	16.9	16.7	16.8	2.4	2.4	2.4	12.2	12.3	11.3	16.6	16.7	16.2	24
17.5	17.7	17.3	64.1	63.6	60.1	9.8	9.8	9.4	52.5	51.6	48.9	72.4	70.9	68.0	25
19.8	20.5	18.8	82.7	81.9	75.3	17.5	17.5	15.9	70.6	72.0	66.0	95.4	93.6	90.4	26
137.8	138.0	132.7	266.7	264.6	256.9	97.1	97.7	91.8	215.5	213.7	204.8	272.0	268.8	263.8	27
15.9	15.9	15.4	68.2	67.7	63.8	12.9	13.0	12.4	72.1	72.4	69.1	54.5	54.5	51.5	28
3.6	3.6	3.6	16.8	17.1	16.7	3.1	3.1	2.8	19.7	19.7	19.0	20.9	19.2	19.8	29
2.9	2.9	2.7	12.3	12.4	11.1	3.2	3.2	3.1	8.5	8.6	7.9	12.2	11.9	11.2	30
7.0	7.0	7.6	20.0	19.6	19.7	3.0	3.0	2.9	14.3	14.0	13.3	24.1	24.2	23.8	31
3.7	3.7	3.6	11.8	11.7	11.3	1.7	1.7	1.7	9.4	9.7	9.1	30.3	29.7	30.2	32
(*)	52.4	50.1	(*)	170.7	164.0	(*)	37.0	35.6	(*)	125.3	118.6	(*)	163.0	165.8	33
(*)	35.9	34.8	(*)	115.8	111.1	(*)	28.3	27.0	(*)	83.4	79.0	(*)	77.2	80.0	34
52.8	50.8	51.4	212.0	210.1	208.7	69.1	69.5	69.5	169.7	170.6	168.0	146.9	142.4	139.3	35
6.3	6.2	6.1	26.6	26.6	25.9	4.5	4.5	4.4	19.3	19.3	18.1	13.0	13.1	12.8	36
11.5	11.1	11.3	57.5	58.1	56.3	40.7	41.3	40.5	45.6	45.4	40.1	38.0	37.1	38.4	37
1.8	1.8	1.7	7.5	7.3	6.9	1.2	1.1	1.1	5.4	5.3	5.2	4.3	4.2	4.4	38
13.4	13.4	13.8	30.0	29.6	29.3	8.0	8.3	7.6	31.1	31.2	30.0	18.3	17.6	17.8	39
3.0	2.9	2.9	17.2	17.1	16.2	4.0	4.1	3.9	16.3	16.9	15.8	7.6	7.0	7.2	40
3.2	3.1	3.0	13.5	13.0	11.4	2.0	2.0	1.9	10.0	10.1	9.8	8.1	8.1	8.0	41
10.8	10.7	11.2	42.4	42.8	40.3	8.6	8.8	8.4	28.4	30.5	27.9	30.2	29.3	28.5	42
9.5	9.4	10.6	34.4	34.9	34.1	7.7	7.8	7.5	24.2	26.2	24.7	25.5	25.0	24.2	43
(*)	(*)	30.8	(*)	(*)	84.6	(*)	(*)	31.5	(*)	(*)	127.1	(*)	(*)	354.8	44
(*)	(*)	59.3	(*)	(*)	210.3	(*)	(*)	61.6	(*)	(*)	224.2	(*)	(*)	412.4	45
147.1	146.4	138.0	508.7	508.7	494.0	120.3	121.1	112.0	348.5	354.3	340.9	390.1	356.1	377.2	46
7.0	7.1	6.8	39.8	39.9	37.4	10.2	10.0	8.9	28.6	29.1	25.9	23.7	23.3	21.5	47
19.4	19.4	19.3	52.2	52.1	51.0	17.8	17.9	16.6	28.1	27.8	27.8	34.2	32.5	33.9	48
52.0	51.9	49.8	123.5	124.3	116.4	29.7	29.9	28.6	98.1	98.4	92.5	56.2	50.5	53.4	49
8.1	8.1	7.2	36.9	36.6	33.4	9.0	9.0	8.1	21.7	21.3	20.4	21.2	19.6	20.0	50
3.4	3.5	3.4	14.2	14.0	13.3	2.5	2.5	2.4	8.7	8.4	8.1	18.3	17.7	18.1	51
20.1	19.8	18.9	82.7	82.4	79.9	16.1	16.1	15.6	51.2	50.2	47.0	43.2	39.8	43.4	52
4.8	4.8	4.3	25.7	25.2	23.3	6.3	6.3	5.8	17.3	17.2	16.1	16.0	14.8	15.2	53
106.8	106.1	100.5	313.2	311.6	301.3	71.6	72.1	68.7	171.5	171.6	168.9	279.9	277.9	268.7	54
59.6	59.0	55.6	156.2	154.5	148.3	40.5	40.7	39.0	83.7	83.8	81.4	84.4	84.3	79.9	55

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
	GEORGIA (continued)												
1	Augusta	89.2	89.2	87.3	(1)	(1)	(1)	6.9	7.1	6.7	31.0	31.0	30.7
2	Columbus	69.1	68.9	68.9	(1)	(1)	(1)	4.2	4.1	4.3	18.9	18.8	19.3
3	Macon	78.3	78.9	75.8	(1)	(1)	(1)	4.9	4.9	3.7	15.7	16.0	15.5
4	Savannah	67.2	67.7	64.4	(1)	(1)	(1)	4.0	4.0	3.8	17.9	18.1	17.1
5	HAWAII	272.0	279.8	255.2	(1)	(1)	(1)	21.8	21.9	19.4	23.7	29.8	22.0
6	Honolulu	230.8	237.2	215.8	(1)	(1)	(1)	19.2	19.2	16.8	16.7	21.7	15.3
7	IDAHO	205.4	204.3	202.5	3.5	3.5	3.7	11.4	11.5	11.6	40.4	39.7	41.0
8	Boise	38.9	39.1	37.7	(1)	(1)	(1)	2.6	2.6	2.3	4.4	4.5	4.4
9	ILLINOIS	(*)	4,416.2	4,310.2	(*)	25.0	24.8	(*)	222.6	208.9	(*)	1,408.3	1,392.5
10	Chicago ⁵	(*)	3,066.0	2,975.2	(*)	5.1	5.3	(*)	139.2	133.2	(*)	980.8	972.7
11	Chicago-Northwestern Indiana	(*)	(*)	3,187.0	(*)	(*)	5.4	(*)	(*)	147.2	(*)	(*)	1,073.1
12	Davenport-Rock Island-Moline	(*)	132.6	135.6	(*)	(3)	(3)	(*)	5.9	7.7	(*)	43.8	46.9
13	Peoria	(*)	130.5	128.9	(*)	(3)	(3)	(*)	9.4	8.6	(*)	47.1	48.0
14	Rockford	(*)	113.5	111.2	(*)	(3)	(3)	(*)	5.6	5.3	(*)	58.1	58.4
15	INDIANA	1,880.6	1,870.6	1,837.7	7.7	7.8	7.7	102.1	105.3	101.0	746.8	743.0	723.6
16	Evansville	87.4	88.4	86.9	1.6	1.7	1.7	4.5	4.5	4.5	33.5	33.9	33.3
17	Fort Wayne	118.9	118.9	113.1	(1)	(1)	(1)	5.9	6.3	5.3	46.1	46.4	44.1
18	Gary-Hammond-East Chicago ⁵	222.0	221.6	211.8	(1)	(1)	(1)	14.2	14.5	14.0	108.1	109.5	100.4
19	Indianapolis	426.2	425.6	421.1	(1)	(1)	(1)	20.9	21.4	19.9	138.8	138.2	138.4
20	Muncie	47.7	46.1	45.7	(1)	(1)	(1)	2.2	2.5	2.1	19.6	19.1	18.6
21	South Bend	95.1	95.1	97.2	(1)	(1)	(1)	4.1	4.3	4.1	35.0	35.1	36.8
22	Terre Haute	54.9	52.8	52.7	.9	.8	.8	2.8	2.8	2.3	14.9	14.9	14.2
23	IOWA	884.6	877.6	869.5	3.8	3.9	3.8	44.8	46.7	45.4	224.1	222.0	222.2
24	Cedar Rapids	68.0	67.6	66.3	(1)	(1)	(1)	2.9	3.2	3.1	28.2	28.5	26.9
25	Des Moines	127.7	127.1	125.3	(1)	(1)	(1)	6.4	6.8	6.3	25.9	25.5	26.1
26	Dubuque	33.9	31.0	32.0	(1)	(1)	(1)	1.6	1.7	1.5	13.8	11.8	13.3
27	Sioux City	42.8	42.8	41.7	(1)	(1)	(1)	2.4	2.4	2.1	10.3	10.3	9.8
28	Waterloo	50.6	49.0	50.2	(1)	(1)	(1)	3.2	3.2	2.7	19.4	18.8	20.4
29	KANSAS	693.6	677.3	687.1	11.2	11.5	11.2	41.7	43.5	38.0	142.1	138.3	146.5
30	Topeka	61.3	61.4	58.7	.1	.1	.1	4.1	4.1	3.6	8.9	9.3	8.7
31	Wichita	146.5	139.9	148.2	2.4	2.4	2.6	7.8	8.0	7.0	49.0	43.8	52.6
32	KENTUCKY	900.0	894.1	881.1	28.1	28.1	27.2	60.2	61.8	58.7	245.5	243.6	244.7
33	Lexington	78.2	77.5	75.3	(1)	(1)	(1)	6.5	6.7	5.2	16.8	16.5	17.3
34	Louisville	334.3	334.1	317.9	(1)	(1)	(1)	19.1	19.7	17.4	121.9	121.8	117.9
35	LOUISIANA	1,066.9	1,060.7	1,054.5	53.2	53.4	52.6	90.7	90.5	95.0	181.3	181.5	180.7
36	Baton Rouge	101.8	101.6	103.2	.7	.7	.7	13.2	12.9	16.9	18.1	18.1	18.0
37	Lake Charles	(*)	40.5	40.1	(*)	1.2	1.1	(*)	5.7	5.0	(*)	9.0	8.6
38	Monroe	38.7	38.2	38.1	.4	.4	.4	4.3	4.4	4.4	6.8	6.8	6.6
39	New Orleans	377.5	373.0	372.2	15.2	15.0	14.1	26.7	26.7	25.4	55.9	56.3	57.6
40	Shreveport	94.3	93.9	92.2	4.0	4.1	4.3	7.2	6.7	7.0	17.5	17.6	16.4
41	MAINE	330.6	335.2	329.9	(1)	(1)	(1)	16.4	17.2	17.4	115.9	118.8	118.7
42	Lewiston-Auburn	28.3	28.7	29.0	(1)	(1)	(1)	1.4	1.5	1.5	13.0	13.5	14.1
43	Portland	64.2	65.7	63.6	(1)	(1)	(1)	3.5	3.6	3.6	15.5	16.0	15.4
44	MARYLAND	1,299.5	1,288.1	1,246.3	1.8	1.8	1.8	89.4	90.6	87.2	286.7	285.6	282.5
45	Baltimore	809.7	801.5	781.7	.3	.3	.3	47.0	47.6	45.2	209.7	206.3	206.2
46	MASSACHUSETTS	2,260.7	2,271.2	2,224.6	(1)	(1)	(1)	101.4	102.9	103.1	680.9	687.7	687.8
47	Boston	1,288.0	1,288.5	1,268.1	(1)	(1)	(1)	53.6	55.0	58.5	293.4	294.8	294.7
48	Brockton	50.3	49.7	49.3	-	-	-	2.1	2.1	2.1	17.1	17.2	17.1
49	Fall River	47.8	48.0	47.1	(1)	(1)	(1)	(1)	(1)	(1)	23.2	23.3	22.8
50	Lawrence-Haverhill	80.8	81.8	80.9	(1)	(1)	(1)	2.1	2.1	2.1	38.2	38.9	40.3
51	Lowell	52.8	52.5	51.5	(1)	(1)	(1)	2.3	2.4	2.5	20.5	20.5	19.8
52	New Bedford	55.7	56.6	55.4	(1)	(1)	(1)	2.0	2.0	1.9	26.9	27.6	27.1
53	Springfield-Chicopee-Holyoke	195.4	196.6	194.7	(1)	(1)	(1)	8.7	8.9	8.4	71.4	72.7	73.4
54	Worcester	130.1	131.2	128.4	(1)	(1)	(1)	5.6	5.7	5.9	47.7	48.9	48.0

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--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	
4.3	4.2	3.9	14.9	15.0	14.7	3.2	3.2	3.0	8.8	9.0	8.8	20.1	19.7	19.5	1
3.4	3.4	3.2	13.3	13.3	13.0	3.7	3.7	3.5	8.5	8.5	8.6	17.1	17.1	17.0	2
3.5	3.5	3.3	14.1	14.2	13.8	4.1	4.1	3.7	8.4	8.5	8.4	27.6	27.7	27.4	3
7.2	7.3	6.9	14.7	14.9	13.6	3.1	3.0	2.9	8.5	8.7	8.4	11.8	11.7	11.7	4
23.1	23.2	20.9	62.6	62.8	59.6	16.0	16.1	14.9	53.6	53.5	49.4	71.2	72.5	69.0	5
19.5	19.6	17.5	53.7	53.8	51.0	14.8	15.0	13.8	44.3	44.1	40.9	62.6	63.8	60.5	6
14.1	14.2	14.3	49.0	48.6	47.8	7.7	7.7	7.4	31.4	31.9	30.2	47.9	47.2	46.5	7
3.2	3.2	3.2	10.9	10.8	10.5	2.7	2.7	2.5	6.0	6.1	5.8	9.1	9.2	9.0	8
(*)	296.4	280.0	(*)	940.6	931.0	(*)	232.5	223.9	(*)	684.6	658.5	(*)	606.2	590.6	9
(*)	217.2	201.3	(*)	672.5	662.3	(*)	182.2	175.9	(*)	509.2	488.1	(*)	359.9	336.6	10
(*)	(*)	214.2	(*)	(*)	697.9	(*)	(*)	181.7	(*)	(*)	509.7	(*)	(*)	357.8	11
(*)	7.4	7.1	(*)	30.0	29.3	(*)	5.3	5.1	(*)	18.6	17.5	(*)	21.7	21.9	12
(*)	7.5	7.0	(*)	28.1	27.9	(*)	5.1	5.1	(*)	19.0	18.2	(*)	14.5	14.1	13
(*)	3.6	3.2	(*)	21.1	20.6	(*)	3.1	3.0	(*)	13.6	12.9	(*)	8.4	7.9	14
99.8	99.9	97.2	358.9	357.9	349.8	74.0	75.0	72.2	207.3	207.8	201.5	283.9	274.0	284.6	15
5.2	5.2	5.2	19.1	19.2	19.0	3.3	3.3	3.3	12.3	12.9	12.0	7.9	7.7	7.9	16
8.1	8.2	7.9	26.3	26.0	24.7	6.2	6.2	6.0	15.2	15.0	14.4	11.1	10.8	10.7	17
13.5	13.6	12.9	36.3	36.2	35.6	5.8	5.9	5.8	22.1	21.0	21.6	22.0	20.9	21.5	18
28.4	28.5	27.4	92.7	92.5	92.2	28.9	29.4	28.6	51.3	51.3	50.6	65.2	64.3	64.0	19
2.5	2.4	2.3	8.7	8.7	8.3	1.4	1.4	1.4	5.2	5.2	5.0	8.1	6.8	8.0	20
4.8	4.9	4.8	20.2	20.3	20.3	4.8	4.8	4.8	16.0	16.0	16.1	10.2	9.7	10.3	21
4.2	4.2	4.2	13.1	13.1	12.7	1.8	1.8	1.8	6.4	6.4	6.3	10.8	8.8	10.4	22
51.5	51.9	51.0	210.5	207.9	205.4	40.6	41.3	39.3	142.3	141.1	139.3	166.9	162.8	163.1	23
3.3	3.3	3.2	13.0	13.0	13.1	3.2	3.3	3.1	10.2	9.5	10.0	7.2	6.8	6.9	24
9.7	9.6	9.2	31.5	31.5	31.7	14.7	14.8	13.8	21.7	21.0	21.0	17.8	18.0	17.2	25
1.8	1.8	1.7	7.1	7.0	6.2	.9	.9	.9	6.2	5.5	6.2	2.5	2.3	2.3	26
3.3	3.4	3.3	11.7	11.6	11.7	2.1	2.1	1.9	7.7	7.7	7.7	5.4	5.4	5.2	27
2.5	2.5	2.5	10.1	10.0	9.7	1.4	1.4	1.3	7.2	7.2	7.1	6.9	5.9	6.5	28
52.5	52.8	52.3	156.2	155.7	152.7	29.5	30.0	28.5	99.1	98.2	97.8	161.3	147.3	160.1	29
7.4	7.4	7.2	13.2	13.2	12.6	3.7	3.7	3.6	9.7	9.5	9.2	14.3	14.2	14.0	30
7.6	7.6	7.7	31.1	31.1	31.3	6.5	6.6	6.3	23.3	23.4	22.8	19.0	17.2	18.1	31
61.7	61.9	60.5	183.1	184.0	175.8	34.3	34.7	34.0	125.5	124.9	121.0	161.6	155.2	159.2	32
4.4	4.3	3.9	14.7	14.6	15.1	3.7	3.8	3.4	12.2	12.3	11.1	19.9	19.2	19.3	33
22.4	22.7	22.1	69.1	68.8	64.6	16.7	16.8	16.2	45.4	45.3	43.5	39.7	39.0	36.4	34
97.9	97.5	94.7	230.7	230.8	225.7	47.9	47.9	46.6	150.7	152.9	149.2	214.5	206.2	210.0	35
5.4	5.4	5.1	21.4	21.4	21.0	5.2	5.2	5.1	13.8	13.9	13.1	24.2	24.0	23.2	36
(*)	3.2	3.3	(*)	8.3	8.2	(*)	1.5	1.4	(*)	5.4	5.5	(*)	6.2	7.0	37
2.4	2.4	2.2	9.5	9.5	9.7	2.6	2.6	2.3	5.2	5.1	5.1	7.5	7.0	7.4	38
48.3	47.7	48.4	88.7	88.6	87.8	22.0	22.1	21.6	67.3	64.1	65.2	53.5	52.4	52.1	39
9.5	9.5	9.2	23.3	23.6	23.1	4.5	4.4	4.3	13.7	13.8	13.5	14.7	14.3	14.5	40
17.8	18.0	17.4	63.2	64.4	62.2	11.8	12.0	11.5	41.5	43.7	41.4	64.0	61.1	61.3	41
.9	.9	1.0	5.9	5.8	5.7	.9	.9	.8	4.2	4.3	4.1	2.0	1.8	1.8	42
5.3	5.3	5.2	17.1	17.4	16.7	5.2	5.4	4.9	10.4	11.0	10.6	7.2	7.0	7.2	43
79.8	79.5	78.2	296.2	293.9	280.4	68.8	69.3	64.9	234.0	234.4	220.2	242.8	233.0	231.1	44
57.7	57.4	56.1	168.4	166.8	162.6	43.5	43.7	41.5	133.1	132.8	127.2	150.0	146.6	142.6	45
117.5	116.0	112.1	476.9	473.1	469.1	126.2	127.5	120.9	462.9	462.8	443.2	294.9	301.2	288.4	46
74.7	74.2	71.1	287.8	283.8	284.8	91.5	92.3	88.2	313.7	310.5	302.1	173.3	177.9	168.7	47
3.3	3.2	3.2	12.4	12.1	12.1	1.4	1.4	1.3	6.3	6.2	5.9	7.7	7.5	7.6	48
1.8	1.9	1.7	9.2	9.2	9.3	(1)	(1)	(1)	9.3	9.4	9.0	4.3	4.2	4.3	49
2.4	2.4	2.3	14.9	14.6	14.4	2.4	2.4	2.3	10.0	10.4	9.7	10.8	11.0	9.8	50
2.0	1.9	1.9	10.8	10.6	10.4	1.5	1.4	1.4	8.9	8.9	8.8	6.8	6.8	6.7	51
2.6	2.7	2.6	9.9	9.8	9.7	(1)	(1)	(1)	9.6	9.8	9.5	4.7	4.7	4.6	52
8.3	8.2	8.4	39.1	38.6	38.5	9.1	9.2	9.0	34.4	34.1	33.1	24.4	24.9	23.9	53
6.6	6.6	6.4	25.5	25.2	24.9	6.9	6.9	6.5	21.8	21.8	21.4	16.0	16.1	15.3	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
1	MICHIGAN	3,080.0	3,026.5	3,030.8	13.3	13.3	13.4	121.5	123.8	125.5	1,190.5	1,155.8	1,164.5
2	Ann Arbor	104.5	101.8	100.9	(1)	(1)	(1)	3.5	3.6	3.1	38.4	37.2	37.5
3	Battle Creek	60.4	60.2	60.1	(1)	(1)	(1)	2.4	2.4	2.3	27.1	27.2	27.5
4	Bay City	30.8	30.6	30.6	(1)	(1)	(1)	1.5	1.4	1.5	12.2	12.3	12.1
5	Detroit	1,544.8	1,508.2	1,501.1	1.1	1.1	.9	60.8	62.1	61.6	612.7	586.7	593.7
6	Flint	163.4	160.9	164.0	(1)	(1)	(1)	7.2	7.2	6.9	88.2	84.8	88.8
7	Grand Rapids	191.9	190.1	187.5	(1)	(1)	(1)	10.3	10.5	10.1	77.8	76.6	77.4
8	Jackson	47.6	47.5	46.0	(1)	(1)	(1)	2.5	2.5	2.1	19.8	19.8	18.8
9	Kalamazoo	74.2	71.7	71.5	(1)	(1)	(1)	3.6	3.6	3.6	30.3	30.2	30.1
10	Lansing	132.5	130.8	123.0	(1)	(1)	(1)	6.5	6.6	6.3	42.7	41.8	39.1
11	Muskegon-Muskegon Heights	52.5	52.8	51.8	(1)	(1)	(1)	1.9	2.1	2.0	28.3	28.3	27.6
12	Saginaw	74.9	74.0	72.4	(1)	(1)	(1)	4.3	4.4	3.5	33.5	33.1	33.1
13	MINNESOTA	1,320.1	1,310.0	1,280.3	16.3	16.7	16.3	75.2	76.6	73.5	333.1	331.2	326.6
14	Duluth-Superior	57.5	57.8	56.9	(1)	(1)	(1)	3.1	3.1	3.1	10.2	10.3	10.0
15	Minneapolis-St. Paul	776.2	772.5	761.3	(1)	(1)	(1)	42.0	42.7	41.6	216.9	217.1	214.3
16	MISSISSIPPI	571.3	564.2	561.1	6.2	6.3	6.3	37.4	36.1	33.9	179.1	179.7	178.5
17	Jackson	90.1	88.3	86.9	.8	.8	.8	7.0	7.2	6.0	14.2	14.4	13.9
18	MISSOURI	1,656.2	1,642.1	1,639.2	9.2	9.3	8.9	76.1	73.2	75.8	455.5	461.9	462.8
19	Kansas City	514.5	507.6	502.8	.6	.6	.6	26.1	23.9	29.3	133.6	133.1	131.5
20	St. Joseph	32.8	32.9	31.1	(3)	(3)	(3)	2.2	2.2	1.7	10.2	10.4	9.3
21	St. Louis	909.0	899.4	900.4	2.3	2.4	2.4	46.6	36.3	44.9	291.7	295.8	295.4
22	Springfield	54.9	54.1	53.1	.1	.1	.1	3.0	2.8	2.6	16.2	16.0	16.1
23	MONTANA	205.2	208.5	203.5	6.1	6.2	5.7	13.0	13.2	13.2	24.5	24.8	24.7
24	Billings	27.9	28.5	27.7	(1)	(1)	(1)	1.4	1.6	1.7	3.2	3.2	3.0
25	Great Falls	25.1	25.3	24.6	(1)	(1)	(1)	2.0	2.1	2.0	3.4	3.4	3.5
26	NEBRASKA	476.8	473.5	464.0	2.0	2.0	1.8	26.7	28.0	25.7	87.3	89.3	83.5
27	Lincoln	71.4	70.4	67.5	-	-	-	3.9	4.1	3.9	10.9	11.4	10.3
28	Omaha	202.8	201.0	195.5	(3)	(3)	(3)	12.6	12.7	11.0	39.3	38.7	36.9
29	NEVADA ²	196.0	197.4	183.3	4.0	4.1	3.8	11.5	11.7	9.7	8.0	7.9	7.3
30	Las Vegas ²	108.2	108.5	98.3	.2	.2	.2	7.0	7.1	5.1	4.0	4.0	3.9
31	Reno ²	52.7	53.2	50.3	.2	.2	.2	3.0	3.1	2.6	2.7	2.7	2.4
32	NEW HAMPSHIRE	256.9	268.3	252.3	.4	.4	.3	13.5	14.0	13.2	97.4	99.1	99.3
33	Manchester	48.3	48.6	49.0	(1)	(1)	(1)	2.8	2.9	2.8	16.5	16.9	17.8
34	NEW JERSEY	2,565.5	2,581.7	2,521.5	3.2	3.3	3.2	119.7	120.3	123.1	893.6	899.0	897.8
35	Atlantic City	67.3	72.8	67.3	-	-	-	3.7	3.7	3.4	11.5	11.8	11.2
36	Camden ⁶	243.3	242.1	237.5	.1	.1	.1	14.0	14.1	13.4	75.1	75.9	78.5
37	Jersey City ⁷	266.3	266.6	266.2	-	-	-	8.4	8.4	7.4	112.2	111.6	114.8
38	Newark ⁷	792.4	794.5	775.6	.5	.5	.5	33.5	34.1	33.2	259.0	260.3	257.5
39	Paterson-Clifton-Passaic ⁷	479.2	480.0	476.5	.4	.4	.3	22.3	22.3	22.9	185.8	187.5	189.1
40	Perth Amboy ⁷	255.9	255.9	245.9	.8	.8	.8	13.2	13.6	12.4	110.6	111.6	109.9
41	Trenton	131.8	131.0	128.3	(1)	(1)	(1)	3.3	3.2	4.0	42.5	42.5	41.5
42	NEW MEXICO	286.9	288.5	280.8	17.5	17.6	16.6	18.0	18.4	18.5	20.4	20.4	18.7
43	Albuquerque	105.9	105.1	100.5	(1)	(1)	(1)	7.7	7.6	6.6	8.9	8.8	7.8
44	NEW YORK	(*)	7,207.4	7,065.3	(*)	8.8	8.7	(*)	286.3	284.6	(*)	1,896.1	1,911.1
45	Albany-Schenectady-Troy	272.4	274.3	269.6	(1)	(1)	(1)	13.4	13.5	13.9	63.8	64.1	64.6
46	Binghamton	103.7	103.7	104.4	(1)	(1)	(1)	4.1	4.0	5.6	44.7	45.3	44.4
47	Buffalo	509.1	504.5	499.4	(1)	(1)	(1)	24.3	24.4	24.5	179.2	179.1	177.6
48	Elmira	37.8	38.0	40.2	(1)	(1)	(1)	2.0	2.0	2.1	14.5	14.7	17.2
49	Monroe County ⁸	305.8	306.3	301.6	(1)	(1)	(1)	14.8	14.8	15.9	135.9	137.4	134.6
50	Nassau and Suffolk Counties ⁹	716.5	713.7	676.2	(1)	(1)	(1)	41.7	43.3	41.4	162.7	162.7	163.0
51	New York-Northeastern New Jersey	(*)	6,686.6	6,537.3	(*)	4.9	4.7	(*)	251.2	249.8	(*)	1,776.5	1,790.0
52	New York SMSA ⁷	(*)	4,888.7	4,773.1	(*)	3.2	3.1	(*)	172.9	173.9	(*)	1,104.6	1,118.7
53	New York City ⁹	(*)	3,811.7	3,745.0	(*)	2.5	2.4	(*)	106.0	108.3	(*)	847.7	862.3
54	Rochester	349.5	349.4	346.2	(1)	(1)	(1)	17.0	17.0	18.7	150.9	151.7	150.3
55	Rockland County ⁹	57.3	59.3	55.5	(1)	(1)	(1)	3.6	3.7	3.8	14.2	15.7	15.2
56	Syracuse	230.7	230.3	225.9	(1)	(1)	(1)	14.0	14.6	13.0	68.3	68.4	67.3
57	Utica-Rome	117.3	116.1	116.0	(1)	(1)	(1)	4.2	4.3	4.6	43.7	42.4	43.5
58	Westchester County ⁹	301.9	304.4	296.3	(1)	(1)	(1)	20.4	19.9	20.3	78.7	78.4	78.3

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			
Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	
152.9	153.4	150.4	585.8	579.3	577.4	115.5	116.2	111.1	397.0	398.7	401.9	503.4	485.9	486.7	1
2.7	2.7	2.7	13.3	12.6	12.1	2.2	2.2	2.1	10.3	10.5	9.4	34.0	32.9	34.0	2
2.6	2.6	2.5	9.3	9.2	9.0	3.3	3.3	3.3	7.8	7.7	7.6	8.0	7.8	7.9	3
1.6	1.6	1.7	7.0	6.9	7.0	.8	.8	.7	3.8	3.7	3.8	4.0	3.8	3.8	4
80.6	80.8	79.3	293.5	288.5	284.7	66.9	67.6	64.3	215.7	214.8	213.1	213.4	206.5	203.3	5
5.6	5.8	5.4	22.7	23.9	25.1	4.3	4.3	4.0	16.4	16.3	15.7	18.9	18.7	18.2	6
10.4	10.3	10.2	42.5	42.0	40.1	7.3	7.4	7.2	26.2	26.3	25.8	17.3	17.0	16.8	7
4.3	4.3	4.3	8.5	8.4	8.3	1.4	1.4	1.4	5.0	5.0	5.0	6.2	6.1	6.2	8
2.5	2.5	2.5	13.3	13.1	12.6	2.2	2.2	2.2	9.0	9.0	8.6	13.4	11.1	12.0	9
3.5	3.5	3.4	20.8	20.9	20.5	5.1	5.1	5.2	15.5	15.6	14.6	38.5	37.3	33.9	10
2.7	2.8	2.7	8.2	8.1	7.9	1.3	1.3	1.2	5.2	5.3	5.3	5.0	4.8	5.1	11
4.6	4.6	4.4	13.3	13.2	13.1	2.7	2.7	2.5	8.7	8.7	8.5	7.7	7.3	7.3	12
89.8	88.2	86.6	312.4	309.5	301.8	62.4	62.6	59.8	206.8	204.8	200.3	224.1	220.6	215.4	13
7.5	7.6	8.0	13.6	13.7	13.4	2.0	2.0	2.0	11.3	11.3	11.0	9.9	9.9	9.5	14
57.9	57.2	56.3	183.5	181.5	180.8	45.0	45.1	43.6	132.0	130.8	128.5	99.0	98.1	96.1	15
29.4	29.5	28.8	101.5	102.9	101.6	19.7	19.7	19.5	62.6	64.2	62.5	135.3	125.9	130.1	16
5.5	5.5	5.5	20.2	20.2	19.5	6.7	6.7	6.6	15.5	14.4	15.0	20.2	19.2	19.6	17
126.6	126.2	124.8	361.2	362.5	360.6	87.6	89.1	85.6	256.6	253.5	252.6	283.4	266.4	268.1	18
50.9	51.0	50.4	123.9	123.0	120.0	32.5	32.9	31.1	77.4	76.9	74.0	69.5	66.2	65.9	19
2.1	2.2	2.1	7.9	7.8	7.7	1.3	1.4	1.3	4.5	4.8	4.7	4.6	4.1	4.3	20
69.7	69.5	68.0	185.6	186.2	182.7	46.5	47.0	45.3	149.5	145.1	142.9	117.1	117.1	118.8	21
4.2	4.2	4.3	13.0	12.9	12.2	2.3	2.3	2.2	8.8	8.7	8.2	7.3	7.1	7.4	22
18.1	18.3	18.1	48.1	49.2	47.3	7.8	7.8	7.7	31.7	32.7	31.2	55.9	56.3	55.6	23
2.9	2.9	2.8	8.8	9.0	8.7	1.5	1.5	1.4	5.4	5.5	5.4	4.7	4.8	4.7	24
2.0	2.0	2.0	6.6	6.5	6.3	1.4	1.4	1.3	4.7	4.8	4.5	5.0	5.1	5.0	25
36.9	37.5	36.6	117.0	116.6	114.7	28.6	28.5	27.4	78.0	76.8	76.9	100.2	94.7	97.4	26
5.0	5.0	4.8	15.2	15.1	14.6	5.5	5.5	5.2	11.3	10.7	10.9	19.6	18.5	17.8	27
21.4	21.7	21.0	50.2	50.4	49.2	16.5	16.4	15.8	34.4	34.2	33.0	28.3	26.9	28.5	28
13.8	13.7	12.6	36.4	36.8	35.3	7.4	7.3	6.9	78.6	80.5	73.2	36.3	35.4	34.5	29
7.1	7.0	6.1	19.6	19.7	18.6	3.6	3.6	3.4	50.9	51.5	46.0	15.8	15.4	15.0	30
4.7	4.7	4.5	11.5	11.6	11.1	3.0	3.0	2.8	18.3	18.7	17.8	9.3	9.2	8.9	31
10.9	11.0	10.3	49.0	49.7	45.5	10.4	10.5	10.0	42.8	52.4	42.4	32.5	31.2	31.3	32
3.2	3.1	3.1	11.4	11.4	10.9	2.8	2.8	2.8	7.9	7.8	7.7	3.7	3.7	3.9	33
173.7	173.4	169.4	517.7	522.1	496.3	115.1	116.0	110.9	393.1	399.5	380.6	349.4	348.1	340.2	34
3.7	3.6	3.4	17.3	20.8	18.3	2.9	2.9	2.9	17.2	19.0	17.8	11.0	11.0	10.3	35
11.4	11.6	11.5	55.7	55.1	50.1	8.4	8.4	8.2	33.9	34.2	32.8	44.7	42.7	42.9	36
37.3	37.3	37.2	41.0	40.6	40.1	8.9	9.0	8.7	29.2	29.5	29.1	29.3	30.2	28.9	37
61.0	60.9	58.0	153.3	152.5	148.6	55.5	55.6	53.6	129.1	130.3	125.7	100.5	100.3	98.5	38
25.3	24.9	24.6	111.0	110.0	108.9	17.4	17.6	16.5	69.7	69.8	68.4	47.3	47.5	45.8	39
13.4	13.0	11.2	47.3	46.7	44.8	5.2	5.2	5.1	26.8	26.9	25.8	38.6	38.1	35.9	40
7.0	6.8	6.6	20.1	19.9	19.9	4.6	4.6	4.3	26.1	25.5	25.0	28.2	28.5	27.0	41
20.2	19.7	20.3	60.4	60.6	59.2	11.5	11.6	11.5	54.5	56.3	52.1	84.4	83.9	83.9	42
6.5	6.4	6.5	25.6	25.5	25.0	6.4	6.4	5.9	25.9	25.5	24.8	24.9	24.9	23.9	43
(*)	506.3	496.2	(*)	1,423.2	1,409.3	(*)	600.0	569.4	(*)	1,338.6	1,297.4	(*)	1,148.1	1,088.6	44
15.1	15.1	14.8	53.6	54.2	52.3	10.5	10.7	10.5	45.7	46.8	45.1	70.3	69.9	68.5	45
4.8	4.8	4.8	16.8	17.0	17.1	3.2	3.2	3.1	11.7	12.1	11.4	18.3	17.3	18.0	46
33.1	32.2	32.7	103.4	102.8	99.8	18.9	19.1	18.6	73.9	74.1	72.3	76.4	72.8	73.9	47
1.6	1.7	1.6	7.6	7.6	7.6	1.0	1.0	.9	5.9	6.0	5.8	5.3	5.0	5.1	48
11.5	11.8	11.6	54.0	53.5	52.6	10.8	11.0	10.5	46.5	46.0	44.6	32.3	31.8	32.0	49
31.9	30.1	28.9	182.4	182.4	170.6	29.3	29.6	28.0	130.4	134.6	122.3	138.0	131.0	122.1	50
(*)	519.8	507.1	(*)	1,348.0	1,328.8	(*)	601.4	571.6	(*)	1,229.2	1,198.0	(*)	955.6	887.3	51
(*)	383.4	376.1	(*)	997.9	986.4	(*)	514.2	487.7	(*)	973.6	949.0	(*)	739.0	678.2	52
(*)	333.5	326.5	(*)	739.6	742.9	(*)	469.3	444.9	(*)	760.7	753.6	(*)	552.4	504.2	53
13.5	13.9	13.4	61.4	60.9	60.3	11.8	12.0	11.3	51.3	51.0	49.1	43.5	42.9	43.0	54
3.1	3.0	3.0	9.7	9.9	9.5	1.8	1.9	1.8	10.1	10.6	9.2	14.7	14.5	13.0	55
14.7	15.0	14.6	49.4	49.1	47.9	11.4	11.6	10.9	37.8	37.3	36.5	35.1	34.3	35.8	56
5.3	5.3	5.2	19.7	19.7	19.1	4.6	4.7	4.4	13.9	14.1	13.9	26.0	25.6	25.4	57
18.0	17.4	17.7	65.5	66.1	63.4	13.2	13.4	13.1	64.4	68.1	64.5	41.7	41.0	39.0	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
1	NORTH CAROLINA	1,699.0	1,688.9	1,670.8	3.5	3.5	3.6	94.3	97.6	92.5	703.2	703.7	702.6
2	Asheville	-	-	-	-	-	-	-	-	-	18.9	19.0	19.1
3	Charlotte	173.9	173.6	168.4	(1)	(1)	(1)	13.2	13.6	12.1	40.4	40.4	41.0
4	Greensboro-Winston-Salem-High Point	254.4	252.1	249.0	(1)	(1)	(1)	13.2	13.8	12.4	112.3	112.9	112.5
5	Raleigh	-	-	-	-	-	-	-	-	-	14.4	14.4	13.7
6	NORTH DAKOTA	158.9	156.9	156.9	1.9	1.9	2.0	10.1	10.7	9.5	8.8	8.8	9.5
7	Fargo-Moorhead	39.7	39.0	38.9	(1)	(1)	(1)	3.2	3.3	3.2	3.2	2.9	3.1
8	OHIO	3,960.0	3,911.3	3,802.3	20.7	20.3	20.0	201.2	202.1	187.0	1,487.0	1,470.4	1,445.7
9	Akron	249.9	243.3	240.0	.2	.2	.2	9.9	10.2	9.4	102.5	97.4	100.7
10	Canton	139.3	137.0	125.3	.3	.3	.3	6.2	6.3	6.2	63.4	62.4	53.0
11	Cincinnati	509.6	504.5	495.4	.4	.4	.4	24.9	25.0	23.8	175.8	174.9	174.1
12	Cleveland	877.3	871.2	847.6	1.5	1.5	1.6	41.8	42.2	39.0	313.5	313.0	312.3
13	Columbus	372.9	370.3	355.3	.8	.8	.8	22.1	22.4	20.6	92.9	92.3	88.9
14	Dayton	335.4	331.6	322.1	.5	.5	.5	13.6	13.9	13.1	134.2	133.2	129.0
15	Toledo	246.7	239.8	234.9	.3	.3	.3	12.5	12.3	11.2	88.2	85.3	84.7
16	Youngstown-Warren	200.2	199.5	190.1	.4	.4	.4	9.6	9.8	8.9	93.6	93.8	88.6
17	OKLAHOMA	750.3	749.9	733.0	39.2	40.2	41.0	35.6	37.0	36.9	129.7	129.9	122.4
18	Oklahoma City	246.3	245.2	237.9	6.7	6.8	6.9	12.6	13.1	12.4	35.6	35.5	32.1
19	Tulsa	179.3	179.3	175.9	13.0	13.1	13.4	9.2	9.5	8.9	43.6	44.2	42.7
20	OREGON	721.8	718.4	701.0	1.9	1.7	2.1	36.1	37.5	35.0	188.9	191.7	185.3
21	Eugene	68.8	69.0	68.0	(1)	(1)	(1)	3.5	3.8	3.9	19.5	20.1	20.2
22	Portland	387.2	384.6	368.5	(1)	(1)	(1)	21.5	21.8	20.2	94.6	96.1	89.5
23	Salem	60.0	59.0	57.4	(1)	(1)	(1)	2.8	2.7	2.8	16.2	16.6	16.2
24	PENNSYLVANIA	4,349.2	4,356.3	4,287.5	39.5	39.8	39.5	210.5	215.1	211.2	1,569.2	1,581.0	1,560.5
25	Allentown-Bethlehem-Easton	214.7	214.9	213.3	.5	.5	.5	8.7	7.5	9.3	106.8	107.9	106.3
26	Altoona	47.7	48.1	47.1	(1)	(1)	(1)	2.0	2.0	1.9	15.4	15.8	15.4
27	Erie	97.6	97.1	94.5	(1)	(1)	(1)	5.3	5.6	4.3	43.7	43.6	42.5
28	Harrisburg	170.9	172.7	167.0	(1)	(1)	(1)	10.2	10.5	8.9	38.6	39.5	39.0
29	Johnstown	80.0	80.8	77.6	4.9	4.9	5.1	4.0	4.2	3.7	26.2	26.3	24.6
30	Lancaster	118.4	119.0	115.3	(1)	(1)	(1)	6.3	6.6	6.1	57.0	57.8	55.6
31	Philadelphia	1,778.4	1,778.0	1,761.3	1.3	1.3	1.4	89.1	91.1	89.5	566.2	569.8	574.9
32	Pittsburgh	877.0	871.3	853.5	9.3	9.3	8.8	44.9	45.7	44.6	294.4	296.7	285.3
33	Reading	121.8	123.3	119.9	(1)	(1)	(1)	5.1	5.4	4.6	58.2	59.7	58.7
34	Scranton	87.0	87.2	85.8	.5	.5	.5	2.8	2.9	2.8	35.6	36.0	35.3
35	Wilkes-Barre-Hazleton	122.1	124.2	119.1	2.3	2.3	2.3	6.3	6.5	5.9	54.0	55.0	53.1
36	York	129.8	129.9	126.5	(1)	(1)	(1)	7.6	7.9	7.3	63.3	63.7	61.4
37	RHODE ISLAND	344.8	345.7	347.2	(1)	(1)	(1)	13.7	14.0	16.6	125.7	127.0	125.9
38	Providence-Pawtucket-Warwick	356.3	356.6	359.5	(1)	(1)	(1)	13.6	13.9	16.6	143.6	144.6	144.5
39	SOUTH CAROLINA	790.4	787.2	774.8	1.5	1.5	1.5	47.8	50.0	47.9	332.0	334.3	326.1
40	Charleston	85.7	86.2	84.6	(1)	(1)	(1)	4.8	5.1	5.6	16.2	16.4	15.1
41	Columbia	102.9	102.2	100.1	(1)	(1)	(1)	7.9	8.0	7.5	19.7	19.9	19.1
42	Greenville	121.5	120.6	120.3	(1)	(1)	(1)	9.8	9.9	10.5	56.2	56.2	55.2
43	SOUTH DAKOTA	172.0	172.9	170.2	2.3	2.3	2.3	8.4	9.6	8.3	15.5	16.0	15.8
44	Sioux Falls	33.3	34.4	33.5	(1)	(1)	(1)	2.0	2.3	1.8	6.0	6.3	6.2
45	TENNESSEE	1,307.9	1,311.2	1,290.1	7.4	7.5	7.3	71.8	72.7	69.4	468.9	472.4	461.4
46	Chattanooga	122.3	121.9	118.4	.2	.3	.2	4.8	5.0	5.8	51.9	52.4	47.4
47	Knoxville	149.0	148.8	146.9	1.7	1.7	1.9	7.7	7.6	7.5	49.6	49.7	48.4
48	Memphis	267.8	268.2	261.1	.2	.2	.2	14.8	15.1	14.7	60.5	61.6	60.2
49	Nashville	216.8	216.7	213.5	(1)	(1)	(1)	13.3	13.4	13.8	61.7	62.2	61.2
50	TEXAS	3,610.0	3,613.2	3,455.7	105.9	107.6	104.7	231.6	233.9	225.1	737.7	744.4	716.0
51	Amarillo	-	-	-	-	-	-	-	-	-	6.3	6.2	5.4
52	Austin	-	-	-	-	-	-	-	-	-	10.9	11.0	9.8
53	Beaumont-Port Arthur-Orange	-	-	-	-	-	-	-	-	-	36.9	37.3	34.9
54	Corpus Christi	-	-	-	-	-	-	-	-	-	(*)	11.6	10.2

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			
Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	
91.2	91.0	87.5	301.8	301.8	296.1	67.1	67.6	63.5	199.5	204.0	193.8	238.4	219.7	231.2	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
19.0	18.9	18.3	44.2	44.3	43.2	12.0	12.0	11.1	25.0	25.3	23.7	20.1	19.1	19.0	3
14.9	14.7	14.3	44.2	44.2	43.5	11.8	11.9	11.7	28.7	29.0	27.4	29.3	25.6	27.2	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
12.5	12.8	12.7	43.7	43.8	42.9	6.8	6.8	6.8	29.1	28.6	28.5	46.1	43.6	45.2	6
3.2	3.2	3.2	12.4	12.3	12.1	2.3	2.2	2.2	7.7	7.5	7.4	7.8	7.6	7.5	7
230.5	229.5	219.5	767.0	759.4	738.1	155.2	155.9	149.3	555.3	546.7	525.6	543.1	526.9	517.1	8
15.1	14.9	15.0	49.1	49.0	47.0	7.0	7.0	6.5	32.8	32.1	31.0	33.2	32.4	30.3	9
7.4	7.3	6.8	25.7	25.6	24.6	4.8	4.8	4.5	18.3	18.0	17.6	13.2	12.4	12.4	10
36.4	36.3	35.1	106.7	106.0	102.7	25.4	25.6	25.3	74.2	73.5	71.0	65.8	62.9	63.0	11
54.0	53.8	51.6	182.8	181.3	175.4	41.8	42.0	40.3	133.4	131.0	127.4	108.4	106.4	100.0	12
20.9	20.9	20.0	77.6	77.2	73.9	24.8	24.8	23.0	59.8	58.7	56.5	73.8	73.2	71.6	13
12.8	12.8	12.2	60.0	58.2	56.9	9.4	9.5	8.9	46.4	45.9	44.2	58.4	57.6	57.4	14
18.3	18.3	17.4	50.5	50.1	49.4	8.0	8.0	7.5	37.8	36.9	35.8	31.1	28.6	28.6	15
10.4	10.4	9.7	35.7	35.6	34.4	5.6	5.5	5.2	26.4	26.0	24.8	18.4	18.0	18.1	16
53.0	53.5	52.3	163.8	164.9	162.1	35.7	35.9	34.5	110.0	110.0	105.9	183.3	178.5	177.9	17
16.5	16.5	15.8	54.2	54.1	53.0	15.6	15.6	14.7	36.4	36.6	35.7	68.7	67.0	67.3	18
16.9	16.9	16.4	40.4	40.3	39.8	9.0	9.0	8.7	29.1	29.3	28.0	18.1	17.0	18.0	19
50.7	50.6	49.8	160.9	160.3	156.0	34.6	34.6	32.8	109.0	108.2	105.5	139.7	133.8	134.5	20
4.1	4.1	4.1	13.5	13.4	12.8	2.9	2.9	2.8	9.9	9.8	9.0	15.4	14.9	15.2	21
32.0	31.9	30.5	92.4	92.0	89.2	23.5	23.5	22.4	64.6	63.8	60.3	58.6	55.5	56.4	22
2.0	1.9	1.8	10.9	10.6	10.2	3.1	3.2	3.0	7.7	7.4	6.8	17.3	16.6	16.6	23
276.1	275.1	271.3	809.2	807.1	794.7	184.3	185.8	179.9	663.3	667.9	647.6	597.1	584.5	582.8	24
11.9	11.9	11.7	34.8	35.0	34.6	6.6	6.7	6.4	25.7	26.2	25.5	19.7	19.2	19.0	25
7.8	7.8	7.9	8.5	8.6	8.1	1.2	1.2	1.2	7.0	6.9	6.8	5.8	5.8	5.8	26
5.5	5.6	5.5	16.8	16.6	16.5	3.4	3.5	3.1	12.6	12.6	12.4	10.3	9.6	10.2	27
13.2	13.1	12.6	32.5	32.8	31.5	8.1	8.2	8.0	24.7	24.9	24.1	43.6	43.7	42.9	28
5.3	5.2	5.2	13.3	13.5	13.5	2.1	2.1	2.0	12.1	12.8	11.6	12.1	11.8	11.9	29
5.5	5.5	5.5	21.1	20.9	20.4	2.7	2.8	2.6	16.0	16.4	15.6	9.8	9.0	9.5	30
112.6	111.8	109.3	358.6	351.7	352.4	98.0	99.4	95.8	297.3	298.9	288.8	255.3	254.0	249.2	31
59.0	58.2	58.7	166.4	167.3	165.6	37.7	38.2	36.5	157.4	156.2	152.9	107.9	99.7	101.1	32
6.6	6.5	6.4	18.7	18.9	18.1	4.8	4.9	4.5	16.3	16.2	16.1	12.1	11.7	11.5	33
5.4	5.4	5.2	17.5	17.4	16.6	2.5	2.5	2.6	13.2	13.0	13.5	9.5	9.5	9.3	34
6.7	6.6	6.6	19.7	19.9	19.7	4.2	4.3	3.8	14.3	14.7	13.3	14.6	14.9	14.4	35
5.9	5.5	5.6	22.2	22.1	22.6	2.8	2.9	2.7	14.7	15.0	14.0	13.3	12.8	12.9	36
16.1	16.0	15.4	67.4	67.0	66.8	15.0	15.1	14.9	54.6	54.0	55.5	52.3	52.6	52.1	37
15.5	15.4	14.8	67.5	67.0	67.3	15.0	15.1	14.9	53.1	52.4	53.7	48.0	48.2	47.7	38
34.4	34.7	33.4	130.2	131.0	128.1	27.6	27.8	26.4	76.9	77.5	76.7	140.0	130.4	134.7	39
4.9	5.1	5.4	16.4	16.6	16.3	3.3	3.3	3.3	9.8	9.6	9.6	30.3	30.1	29.3	40
6.7	6.7	6.3	20.8	20.9	20.6	6.1	6.1	5.8	13.2	13.3	13.0	28.5	27.3	27.8	41
4.6	4.6	4.4	19.9	19.8	20.0	4.6	4.6	4.4	11.7	11.8	11.8	14.7	13.7	14.0	42
10.5	10.5	10.4	46.1	46.9	45.6	7.3	7.4	7.2	31.6	31.5	30.5	50.3	48.7	50.1	43
3.0	3.0	3.1	9.5	9.7	9.7	2.1	2.2	2.1	6.3	6.4	6.2	4.5	4.4	4.4	44
65.3	65.0	64.3	246.9	246.3	246.0	53.3	53.6	52.7	173.8	173.7	170.0	220.5	220.0	219.0	45
6.3	6.3	6.4	21.8	21.8	22.1	7.2	7.2	6.9	14.7	14.7	14.6	15.4	14.2	15.0	46
6.7	6.7	6.5	31.6	31.3	30.9	4.8	4.9	4.8	19.7	19.7	19.2	27.2	27.2	27.7	47
20.2	20.2	19.5	66.9	67.3	66.5	13.9	14.1	13.7	44.2	44.0	41.0	47.1	45.7	45.3	48
13.1	13.1	12.6	46.6	46.8	47.0	13.8	13.8	12.9	35.0	35.0	34.4	33.3	32.4	31.6	49
268.1	267.4	251.2	848.8	847.8	810.3	186.1	188.7	174.7	572.3	576.4	535.1	659.5	647.0	638.6	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		
		Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
1	TEXAS (continued)												
2	Dallas	625.7	620.8	590.7	8.2	8.3	8.2	34.6	35.5	32.2	175.3	177.3	161.5
3	El Paso	-	-	-	-	-	-	-	-	-	23.7	23.7	21.5
4	Fort Worth	-	-	-	-	-	-	-	-	-	92.2	90.7	91.3
5	Galveston-Texas City	-	-	-	-	-	-	-	-	-	11.2	11.3	10.8
6	Houston	745.1	738.2	708.4	29.4	29.3	27.7	72.9	71.4	68.8	142.9	144.2	137.6
7	Lubbock	-	-	-	-	-	-	-	-	-	7.0	7.0	6.4
8	San Antonio	250.9	250.3	248.9	1.5	1.5	1.5	15.7	15.7	15.7	31.2	31.2	30.1
9	Waco	-	-	-	-	-	-	-	-	-	13.1	13.1	13.7
	Wichita Falls	-	-	-	-	-	-	-	-	-	4.4	4.5	4.0
10	UTAH	355.8	352.7	347.8	12.7	12.9	12.5	16.2	16.3	16.6	57.2	55.9	55.4
11	Salt Lake City	188.1	185.0	182.9	7.6	7.6	7.4	9.1	9.0	9.0	29.6	29.4	29.8
12	VERMONT	147.3	152.8	143.0	1.0	1.1	1.1	11.2	11.4	9.9	44.1	44.8	44.6
13	Burlington ¹⁰	37.6	38.2	36.0	-	-	-	-	-	-	10.9	11.2	10.8
14	Springfield ¹⁰	13.5	13.8	13.7	-	-	-	-	-	-	6.7	6.8	6.9
15	VIRGINIA ⁴	1,434.9	1,426.2	1,404.6	14.5	14.4	14.0	98.7	104.1	97.5	367.4	365.2	369.1
16	Lynchburg	50.4	50.1	49.4	(1)	(1)	(1)	2.7	2.8	2.8	23.5	23.3	23.0
17	Newport News-Hampton	96.4	96.6	94.0	(1)	(1)	(1)	5.4	5.4	5.0	26.9	27.0	27.6
18	Norfolk-Portsmouth	195.3	195.0	193.3	(1)	(1)	(1)	13.4	13.6	13.6	20.8	20.5	20.1
19	Northern Virginia ¹¹	243.7	243.9	236.2	.4	.4	.4	20.0	21.1	20.9	9.3	9.5	9.3
20	Richmond	228.7	227.6	224.1	.2	.2	.2	16.0	16.5	15.6	51.5	52.1	52.4
21	Roanoke	80.1	80.3	77.6	.1	.1	.1	5.2	5.5	5.1	19.1	19.2	18.7
22	WASHINGTON	1,142.8	1,129.9	1,129.0	1.6	1.5	1.6	63.1	63.6	64.2	284.1	286.2	297.9
23	Seattle-Everett	568.6	564.3	567.9	(1)	(1)	(1)	33.1	33.2	33.3	160.2	162.8	173.8
24	Spokane	88.4	87.5	87.3	(1)	(1)	(1)	5.2	5.2	4.7	13.2	13.5	13.5
25	Tacoma	111.5	110.3	109.0	(1)	(1)	(1)	6.5	6.9	6.7	21.2	21.7	21.5
26	WEST VIRGINIA	516.0	514.0	514.1	47.3	47.5	47.1	27.0	27.2	28.5	133.7	133.5	134.0
27	Charleston	81.5	82.2	83.7	3.6	3.6	3.5	4.0	4.1	4.5	17.5	18.1	19.4
28	Huntington-Ashland	81.9	80.9	80.8	.7	.7	.7	4.4	4.4	4.8	26.7	26.2	25.3
29	Wheeling	59.8	59.6	57.8	4.6	4.4	4.0	6.2	6.2	5.0	15.5	15.5	15.9
30	WISCONSIN	1,538.3	1,533.1	1,495.3	2.7	2.9	2.6	74.2	75.1	72.2	526.2	531.1	518.3
31	Green Bay	54.0	53.2	52.4	(1)	(1)	(1)	2.7	2.6	2.7	17.7	17.6	17.3
32	Kenosha	33.7	31.9	33.4	(1)	(1)	(1)	1.1	1.2	1.5	15.4	14.0	15.3
33	La Crosse	30.2	29.6	29.4	(1)	(1)	(1)	1.5	1.4	1.4	8.8	9.0	8.5
34	Madison	118.3	115.7	114.2	(1)	(1)	(1)	7.6	7.7	7.2	16.6	16.9	15.0
35	Milwaukee	570.0	568.6	558.6	(1)	(1)	(1)	23.9	23.9	22.9	212.5	213.9	212.7
36	Racine	55.8	56.0	53.0	(1)	(1)	(1)	2.0	2.1	1.9	26.1	26.1	23.8
37	WYOMING	112.1	115.1	107.3	12.0	12.3	10.8	7.7	8.5	7.8	7.1	7.1	6.6
38	Casper	20.6	20.9	18.8	4.8	4.8	3.2	1.2	1.3	1.6	1.4	1.4	1.3
39	Cheyenne	18.7	18.5	18.5	(1)	(1)	(1)	1.2	1.2	1.4	1.0	1.0	.9

¹ Combined with services.

² Series revised to 1969 benchmark; not strictly comparable with previously published data.

³ Combined with construction.

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

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

⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

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

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

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

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

* Not available.

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			
Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	
49.8	49.6	47.8	160.3	160.4	152.8	48.7	49.1	46.2	85.9	84.7	82.6	62.9	55.9	59.5	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
67.3	68.0	63.0	181.2	180.6	173.3	37.8	38.0	35.5	128.5	129.7	121.4	85.1	77.0	81.1	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.4	11.4	10.7	62.0	62.1	61.5	15.2	15.3	15.2	43.1	43.7	43.5	70.8	69.4	70.7	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.7	23.8	23.8	80.4	79.6	76.8	14.5	14.5	13.7	53.9	54.5	51.6	97.2	95.2	97.5	10
15.8	15.7	15.2	50.3	49.9	47.7	10.5	10.5	10.3	30.2	29.5	29.8	35.0	33.3	33.7	11
8.0	8.1	7.6	27.2	27.8	26.3	5.2	5.3	5.0	26.3	30.8	25.1	24.4	23.8	23.5	12
1.8	1.9	1.7	7.6	7.5	7.4	-	-	-	7.1	7.6	6.3	-	-	-	13
.9	.9	.8	2.0	2.0	1.9	-	-	-	1.6	1.8	1.6	-	-	-	14
97.1	97.0	95.9	290.2	289.3	281.6	65.7	66.1	62.2	207.5	207.8	200.5	293.8	282.3	283.8	15
2.5	2.5	2.4	8.3	8.3	7.9	1.9	1.9	1.9	5.8	5.8	6.0	5.7	5.5	5.4	16
4.4	4.5	4.4	16.1	16.2	14.8	2.9	2.9	2.7	11.8	11.6	10.8	28.9	29.0	28.7	17
16.3	16.5	16.5	46.0	46.2	45.2	8.8	8.8	8.6	28.2	28.5	27.7	61.8	60.9	61.6	18
19.7	20.1	19.1	56.1	56.4	53.7	14.1	14.4	13.2	43.9	43.9	42.1	80.2	78.1	77.5	19
18.5	18.5	18.0	51.8	51.0	49.5	17.9	18.0	17.3	32.6	32.6	31.8	40.2	38.7	39.3	20
10.6	10.3	10.5	19.0	19.1	17.8	3.9	3.9	3.8	12.4	12.4	12.2	9.8	9.8	9.4	21
75.3	75.1	73.9	253.4	250.1	244.2	59.0	59.5	56.7	171.0	170.3	164.0	235.3	223.6	226.5	22
41.3	40.8	40.2	126.6	125.9	121.8	36.5	36.5	34.8	84.0	83.9	79.2	86.9	81.2	84.8	23
7.6	7.7	7.6	23.2	23.1	23.0	5.0	5.0	4.9	18.1	17.6	17.8	16.1	15.4	15.8	24
6.8	6.9	6.7	25.9	25.0	24.3	6.1	6.1	5.8	18.5	18.0	17.7	26.5	25.7	26.3	25
41.8	42.2	40.6	91.8	91.9	91.0	15.2	15.3	14.8	63.0	63.0	63.0	96.0	93.3	95.1	26
9.0	9.0	8.5	18.4	18.7	18.6	4.0	4.0	3.8	11.6	11.6	11.4	13.3	13.1	14.0	27
8.1	8.1	8.1	17.0	17.0	17.1	2.7	2.8	2.7	10.2	10.1	10.1	12.0	11.7	12.1	28
3.5	3.5	3.4	12.6	12.7	12.3	2.2	2.1	2.1	8.6	8.5	8.8	6.6	6.6	6.4	29
81.7	80.1	78.6	323.0	321.6	309.7	59.9	60.6	56.8	219.9	221.3	210.9	250.5	240.4	246.2	30
4.4	4.4	4.5	13.2	13.1	12.6	1.3	1.3	1.3	8.1	7.9	7.9	6.5	6.4	6.2	31
1.4	1.2	1.4	6.0	6.0	5.9	.7	.7	.7	4.7	4.6	4.6	4.3	4.0	4.0	32
2.3	2.3	2.2	6.9	6.6	6.8	.6	.6	.6	5.9	5.8	5.6	4.2	3.9	4.2	33
4.9	4.9	4.9	23.1	22.7	22.1	6.5	6.5	6.1	16.8	16.5	15.8	42.9	40.6	43.2	34
31.8	31.3	30.4	118.9	118.2	115.1	28.0	28.3	26.8	83.7	83.5	81.4	71.2	69.5	69.4	35
2.3	2.2	2.3	9.5	9.5	9.5	1.5	1.5	1.3	7.6	7.8	7.5	6.7	6.8	6.8	36
11.3	11.7	10.7	24.9	26.0	23.6	3.7	3.7	3.4	17.3	18.5	15.6	28.1	27.3	28.8	37
1.4	1.6	1.4	4.7	4.8	4.4	.9	.9	.8	2.5	2.6	2.6	3.7	3.5	3.5	38
2.6	2.6	2.6	4.0	3.9	4.0	1.0	1.0	1.0	3.5	3.5	3.1	5.4	5.3	5.5	39

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
	TOTAL PRIVATE	\$116.94	\$117.80	\$116.51	\$110.29	\$110.49	\$3.11	\$3.10	\$3.05	\$2.91	\$2.90
	MINING	157.18	157.18	156.88	138.86	146.45	3.63	3.63	3.59	3.33	3.39
10	METAL MINING	-	160.70	159.41	151.99	153.30	-	3.72	3.69	3.47	3.50
101	Iron ores	-	162.39	156.33	145.08	152.76	-	3.83	3.74	3.60	3.62
102	Copper ores	-	169.09	170.38	164.64	164.83	-	3.70	3.72	3.43	3.47
11,12	COAL MINING	163.94	166.46	166.46	110.78	152.31	-	4.14	4.11	3.73	3.77
12	Bituminous coal and lignite mining ..	165.97	168.91	168.91	109.91	154.28	-	4.17	4.14	3.79	3.80
13	OIL AND GAS EXTRACTION	-	150.77	151.06	141.81	140.28	-	3.45	3.41	3.26	3.27
131,2	Crude petroleum and natural gas fields.	-	147.02	145.20	136.21	140.35	-	3.63	3.55	3.38	3.44
138	Oil and gas field services	-	153.43	154.51	145.78	139.86	-	3.35	3.33	3.19	3.15
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	158.26	154.25	145.07	145.39	-	3.36	3.31	3.14	3.12
142	Crushed and broken stone	-	165.80	160.71	145.62	147.68	-	3.37	3.30	3.04	3.02
	CONTRACT CONSTRUCTION	189.20	192.57	187.77	173.57	173.76	4.94	4.90	4.79	4.52	4.49
15	GENERAL BUILDING CONTRACTORS ..	-	174.37	172.50	160.88	159.71	-	4.70	4.60	4.36	4.34
16	HEAVY CONSTRUCTION CONTRACTORS ..	-	207.37	200.21	178.51	181.41	-	4.66	4.54	4.22	4.18
161	Highway and street construction	-	202.05	193.98	177.94	182.34	-	4.48	4.33	4.10	4.07
162	Heavy construction, nec	-	212.52	205.72	179.24	180.59	-	4.83	4.74	4.34	4.31
17	SPECIAL TRADE CONTRACTORS	-	196.46	191.27	179.73	178.60	-	5.17	5.06	4.78	4.75
171	Plumbing, heating, air conditioning...	-	207.23	201.89	191.88	190.32	-	5.30	5.19	4.92	4.88
172	Painting, paper hanging, decorating...	-	180.44	175.21	164.16	164.89	-	4.89	4.84	4.56	4.53
173	Electrical work	-	230.85	227.92	210.27	206.56	-	5.70	5.60	5.27	5.19
174	Masonry, stonework, and plastering...	-	179.21	175.58	164.37	163.55	-	5.02	4.96	4.63	4.62
176	Roofing and sheetmetal work	-	164.22	158.95	148.97	146.30	-	4.60	4.44	4.22	4.18
	MANUFACTURING	131.87	132.84	129.51	125.77	125.25	3.24	3.24	3.19	3.06	3.04
19,24,25, 32-39	DURABLE GOODS	142.42	143.45	139.33	135.43	135.01	3.44	3.44	3.39	3.24	3.23
20-23,26-31	NONDURABLE GOODS	117.41	118.00	116.51	111.88	112.03	2.95	2.95	2.92	2.79	2.78
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	141.64	141.29	139.09	140.10	137.85	3.48	3.48	3.46	3.32	3.29
192	Ammunition, except for small arms ..	137.14	136.80	135.83	138.69	135.20	3.42	3.42	3.43	3.31	3.25
1925	Complete guided missiles	-	171.37	171.74	160.09	155.21	-	4.09	4.06	3.83	3.74
1929	Ammunition, exc. for small arms, nec	-	117.87	116.51	124.32	123.85	-	3.03	3.05	2.96	2.97
24	LUMBER AND WOOD PRODUCTS	111.72	113.65	111.76	107.68	109.03	2.80	2.82	2.78	2.62	2.64
242	Sawmills and planing mills	108.54	109.48	107.07	104.33	105.00	2.70	2.71	2.67	2.52	2.53
2421	Sawmills and planing mills, general.	-	112.96	110.40	107.38	108.32	-	2.81	2.76	2.60	2.61
243	Millwork, plywood & related products.	118.10	119.29	117.89	115.09	116.90	2.96	2.96	2.94	2.78	2.79
2431	Millwork	-	115.54	114.07	110.15	111.78	-	2.94	2.91	2.74	2.76
2432	Veneer and plywood	-	120.13	118.84	118.00	121.24	-	2.93	2.92	2.77	2.80
244	Wooden containers	90.94	91.96	91.43	89.87	89.55	2.32	2.34	2.28	2.23	2.25
2441,2	Wooden boxes, shooks, and crates ..	-	91.14	91.13	87.67	88.00	-	2.29	2.25	2.17	2.20
249	Miscellaneous wood products	100.44	101.18	101.19	95.17	94.48	2.48	2.48	2.45	2.31	2.31
25	FURNITURE AND FIXTURES	109.21	109.08	107.71	104.58	104.33	2.69	2.68	2.64	2.52	2.52
251	Household furniture	103.02	102.21	101.09	99.36	98.47	2.55	2.53	2.49	2.40	2.39
2511	Wood household furniture	-	98.06	97.53	93.86	92.99	-	2.38	2.35	2.24	2.23
2512	Upholstered household furniture	-	106.23	105.59	106.81	104.34	-	2.71	2.68	2.58	2.57
2515	Mattresses and bedspreads	-	110.25	108.50	105.32	106.78	-	2.77	2.74	2.62	2.63
252	Office furniture	-	127.25	124.74	120.70	123.84	-	2.98	2.97	2.82	2.86
254	Partitions and fixtures	-	138.11	137.19	125.87	128.33	-	3.32	3.29	3.07	3.07
253,9	Other furniture and fixtures	114.57	116.69	111.76	112.59	110.12	2.85	2.86	2.78	2.70	2.66
32	STONE, CLAY, AND GLASS PRODUCTS ..	137.57	138.13	136.75	129.93	129.93	3.26	3.25	3.21	3.05	3.05
321	Flat glass	-	172.19	176.69	169.89	167.52	-	4.09	4.09	3.87	3.86
322	Glass and glassware, pressed or blown	134.31	132.44	131.38	127.51	126.28	3.30	3.27	3.26	3.11	3.08
3221	Glass containers	-	136.89	136.55	132.43	132.34	-	3.38	3.38	3.23	3.22
3229	Pressed and blown glass, nec	-	126.67	124.22	120.83	117.50	-	3.12	3.09	2.94	2.88
324	Cement, hydraulic	161.44	162.51	156.42	148.45	148.10	3.89	3.86	3.76	3.56	3.56
325	Structural clay products	111.38	111.93	110.70	106.55	106.45	2.73	2.73	2.70	2.58	2.59
3251	Brick and structural clay tile	-	106.91	107.26	102.24	102.72	-	2.57	2.56	2.44	2.44
326	Pottery and related products	-	116.03	115.09	110.25	109.42	-	2.93	2.87	2.77	2.77
327	Concrete, gypsum, and plaster products	146.30	148.62	147.80	138.46	141.52	3.31	3.31	3.27	3.07	3.09
328,9	Other stone and nonmetallic mineral products	136.27	136.50	134.92	128.74	127.91	3.26	3.25	3.22	3.08	3.06
3291	Abrasive products	-	130.48	129.42	124.43	122.14	-	3.32	3.31	3.15	3.10

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
-	TOTAL PRIVATE	37.6	38.0	38.2	37.9	38.1	-	-	-	-	-
-	MINING	43.3	43.3	43.7	41.7	43.2	-	-	-	-	-
10	METAL MINING	-	43.2	43.2	43.8	43.8	-	-	-	-	-
101	Iron ores	-	42.4	41.8	40.3	42.2	-	-	-	-	-
102	Copper ores	-	45.7	45.8	48.0	47.5	-	-	-	-	-
11,12	COAL MINING	-	39.6	40.5	29.7	40.4	-	-	-	-	-
12	Bituminous coal and lignite mining	-	39.8	40.8	29.0	40.6	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	43.7	44.3	43.5	42.9	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	40.5	40.9	40.3	40.8	-	-	-	-	-
138	Oil and gas field services	-	45.8	46.4	45.7	44.4	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	47.1	46.6	46.2	46.6	-	-	-	-	-
142	Crushed and broken stone	-	49.2	48.7	47.9	48.9	-	-	-	-	-
-	CONTRACT CONSTRUCTION	38.3	39.3	39.2	38.4	38.7	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	-	37.1	37.5	36.9	36.8	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	-	44.5	44.1	42.3	43.4	-	-	-	-	-
161	Highway and street construction	-	45.1	44.8	43.4	44.8	-	-	-	-	-
162	Heavy construction, n e c	-	44.0	43.4	41.3	41.9	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	38.0	37.8	37.6	37.6	-	-	-	-	-
171	Plumbing, heating, air conditioning	-	39.1	38.9	39.0	39.0	-	-	-	-	-
172	Painting, paper hanging, decorating	-	36.9	36.2	36.0	36.4	-	-	-	-	-
173	Electrical work	-	40.5	40.7	39.9	39.8	-	-	-	-	-
174	Masonry, stonework, and plastering	-	35.7	35.4	35.5	35.4	-	-	-	-	-
176	Roofing and sheet metal work	-	35.7	35.8	35.3	35.0	-	-	-	-	-
-	MANUFACTURING	40.7	41.0	40.6	41.1	41.2	3.6	3.9	3.7	3.9	4.0
19,24,25,32-39	DURABLE GOODS	41.4	41.7	41.1	41.8	41.8	3.8	4.1	3.8	4.2	4.2
20-23,26-31	NONDURABLE GOODS	39.8	40.0	39.9	40.1	40.3	3.3	3.7	3.5	3.5	3.8
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	40.7	40.6	40.2	42.2	41.9	-	2.5	2.6	3.6	4.3
192	Ammunition, except for small arms	40.1	40.0	39.6	41.9	41.6	-	2.1	2.2	3.5	4.4
1925	Complete guided missiles	-	41.9	42.3	41.8	41.5	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec	-	38.9	38.2	42.0	41.7	-	-	-	-	-
24	LUMBER AND WOOD PRODUCTS	39.9	40.3	40.2	41.1	41.3	-	3.9	3.8	4.3	4.5
242	Sawmills and planing mills	40.2	40.4	40.1	41.4	41.5	-	4.2	3.9	4.5	4.6
2421	Sawmills and planing mills, general	-	40.2	40.0	41.3	41.5	-	-	-	-	-
243	Millwork, plywood & related products	39.9	40.3	40.1	41.4	41.9	-	3.5	3.4	4.4	4.7
2431	Millwork	-	39.3	39.2	40.2	40.5	-	-	-	-	-
2432	Veneer and plywood	-	41.0	40.7	42.6	43.3	-	-	-	-	-
244	Wooden containers	39.2	39.3	40.1	40.3	39.8	-	3.2	3.7	3.2	3.4
2441,2	Wooden boxes, shooks, and crates	-	39.8	40.5	40.4	40.0	-	-	-	-	-
249	Miscellaneous wood products	40.5	40.8	41.3	41.2	40.9	-	3.8	4.0	3.9	3.9
25	FURNITURE AND FIXTURES	40.6	40.7	40.8	41.5	41.4	-	3.6	3.4	4.0	4.1
251	Household furniture	40.4	40.4	40.6	41.4	41.2	-	3.4	3.3	3.9	3.9
2511	Wood household furniture	-	41.2	41.5	41.9	41.7	-	-	-	-	-
2512	Upholstered household furniture	-	39.2	39.4	41.4	40.6	-	-	-	-	-
2515	Mattresses and bedsprings	-	39.8	39.6	40.2	40.6	-	-	-	-	-
252	Office furniture	-	42.7	42.0	42.8	43.3	-	4.7	4.6	4.8	5.2
254	Partitions and fixtures	-	41.6	41.7	41.0	41.8	-	4.0	4.0	3.8	4.5
253,9	Other furniture and fixtures	40.2	40.8	40.2	41.7	41.4	-	3.9	3.3	4.6	4.2
32	STONE, CLAY, AND GLASS PRODUCTS	42.2	42.5	42.6	42.6	42.6	-	5.2	5.2	5.1	5.3
321	Flat glass	-	42.1	43.2	43.9	43.4	-	4.3	5.0	6.2	6.2
322	Glass and glassware, pressed or blown	40.7	40.5	40.3	41.0	41.0	-	4.6	4.4	4.5	4.7
3221	Glass containers	-	40.5	40.4	41.0	41.1	-	-	-	-	-
3229	Pressed and blown glass, n e c	-	40.6	40.2	41.1	40.8	-	-	-	-	-
324	Cement, hydraulic	41.5	42.1	41.6	41.7	41.6	-	3.4	3.2	2.6	2.9
325	Structural clay products	40.8	41.0	41.0	41.3	41.1	-	4.1	4.1	4.1	4.1
3251	Brick and structural clay tile	-	41.6	41.9	41.9	42.1	-	-	-	-	-
326	Pottery and related products	-	39.6	40.1	39.8	39.5	-	3.0	2.9	2.7	2.7
327	Concrete, gypsum and plaster products	44.2	44.9	45.2	45.1	45.8	-	7.3	7.5	7.4	8.0
328,9	Other stone and nonmetallic mineral products	41.8	42.0	41.9	41.8	41.8	-	4.6	4.5	4.3	4.2
3291	Abrasive products	-	39.3	39.1	39.5	39.4	-	-	-	-	-

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	\$160.55	\$162.93	\$160.51	\$147.24	\$148.68	\$3.85	\$3.87	\$3.84	\$3.60	\$3.60
331	Blast furnace and basic steel products ..	(*)	173.47	170.57	148.22	150.51	(*)	4.15	4.11	3.82	3.82
3312	Blast furnaces and steel mills	-	176.39	172.63	149.77	152.49	-	4.23	4.18	3.89	3.90
332	Iron and steel foundries	152.70	152.64	149.94	145.52	145.68	3.61	3.60	3.57	3.40	3.38
3321	Gray iron foundries	-	153.79	151.43	148.34	148.58	-	3.61	3.58	3.41	3.40
** 3322	Malleable iron foundries	-	155.17	156.19	142.80	145.31	-	3.73	3.71	3.50	3.51
3323	Steel foundries	-	148.97	143.31	139.44	140.25	-	3.53	3.47	3.32	3.30
333,4	Nonferrous metals	155.61	156.28	153.49	146.63	147.66	3.67	3.66	3.62	3.45	3.45
3334	Primary aluminum	-	165.59	167.23	161.54	161.97	-	3.99	4.02	3.81	3.82
335	Nonferrous rolling and drawing	150.30	152.80	152.44	148.09	147.47	3.57	3.57	3.57	3.42	3.39
3351	Copper rolling and drawing	-	157.91	156.60	150.42	149.11	-	3.63	3.60	3.45	3.42
3352	Aluminum rolling and drawing	-	153.55	154.82	151.03	149.73	-	3.63	3.66	3.48	3.45
3357	Nonferrous wire drawing and insulating	-	150.93	149.88	145.34	147.07	-	3.51	3.51	3.38	3.35
336	Nonferrous foundries	140.15	140.69	135.53	134.37	131.97	3.41	3.39	3.33	3.23	3.18
3361	Aluminum castings	-	141.86	138.04	139.86	135.43	-	3.46	3.40	3.33	3.24
3362,9	Other nonferrous castings	-	139.35	132.93	128.64	129.27	-	3.31	3.25	3.13	3.13
339	Miscellaneous primary metal products ...	168.84	172.13	165.98	168.59	164.35	4.02	4.05	3.99	3.82	3.84
3391	Iron and steel forgings	-	180.20	171.81	167.16	172.06	-	4.23	4.16	3.98	4.02
34	FABRICATED METAL PRODUCTS	141.36	142.38	138.86	136.53	136.43	3.39	3.39	3.33	3.22	3.21
341	Metal cans	165.17	172.77	179.14	165.39	172.21	3.85	3.90	3.92	3.70	3.76
342	Cutlery, hand tools, and hardware	132.34	132.99	128.21	129.69	129.27	3.22	3.22	3.15	3.11	3.10
3421,3,5	Cutlery and hand tools, incl. saws	-	130.29	125.55	124.56	124.27	-	3.17	3.10	2.98	2.98
3429	Hardware, n e c	-	134.23	130.47	132.61	132.19	-	3.25	3.19	3.18	3.17
343	Plumbing and heating, except electric ...	127.35	126.86	125.64	125.25	124.31	3.16	3.14	3.11	3.04	3.01
3431,2	Sanitary ware & plumbers' brass goods.	-	128.96	125.42	127.72	125.86	-	3.20	3.12	3.10	3.04
3433	Heating equipment, except electric	-	125.55	125.76	122.89	123.19	-	3.10	3.09	2.99	2.99
344	Fabricated structural metal products	139.18	139.44	136.29	131.67	131.57	3.37	3.36	3.30	3.15	3.14
3441	Fabricated structural steel	-	142.20	138.53	133.04	132.51	-	3.41	3.33	3.16	3.14
3442	Metal doors, sash, and trim	-	116.29	114.29	113.02	112.06	-	2.90	2.85	2.73	2.76
3443	Fabricated plate work (boiler shops) ..	-	148.97	146.51	140.19	141.10	-	3.53	3.48	3.33	3.32
3444	Sheet metal work	-	146.14	143.91	135.71	134.55	-	3.53	3.51	3.27	3.25
3446,9	Architectural and misc. metal work ...	-	135.29	133.12	130.31	131.94	-	3.26	3.20	3.11	3.09
345	Screw machine products, bolts, etc.	148.95	149.21	145.34	140.39	140.28	3.44	3.43	3.38	3.22	3.21
3451	Screw machine products	-	140.44	137.01	133.30	134.23	-	3.32	3.27	3.10	3.10
3452	Bolts, nuts, rivets, and washers	-	156.64	153.12	147.63	145.97	-	3.52	3.48	3.34	3.31
346	Metal stampings	156.77	160.21	152.70	155.76	154.61	3.68	3.70	3.61	3.54	3.53
347	Metal services, n e c	122.40	123.90	120.36	117.26	117.42	3.00	3.00	2.95	2.86	2.85
348	Misc. fabricated wire products	125.45	125.56	123.02	121.35	119.11	3.09	3.07	3.03	2.91	2.87
349	Misc. fabricated metal products	136.95	137.19	133.58	130.83	131.04	3.30	3.29	3.25	3.13	3.12
3494,8	Valves, pipe, and pipe fittings	-	139.95	136.70	133.46	134.20	-	3.34	3.31	3.17	3.18
35	MACHINERY, EXCEPT ELECTRICAL	155.13	155.00	149.94	145.09	143.40	3.65	3.63	3.57	3.43	3.39
351	Engines and turbines	157.96	161.11	156.36	156.04	153.09	3.91	3.92	3.88	3.76	3.68
3511	Steam engines and turbines	-	166.76	162.33	165.45	159.09	-	3.98	3.94	3.93	3.77
3519	Internal combustion engines, n e c	-	158.71	154.01	152.03	150.33	-	3.89	3.86	3.69	3.64
352	Farm machinery	-	144.54	139.84	140.59	133.93	-	3.56	3.47	3.48	3.34
353	Construction and related machinery	151.92	152.93	146.78	144.67	141.20	3.60	3.59	3.52	3.42	3.37
3531,2	Construction and mining machinery	-	155.30	150.23	148.26	145.53	-	3.68	3.62	3.53	3.49
3533	Oil field machinery	-	145.82	141.76	139.97	136.74	-	3.36	3.32	3.24	3.18
3535,6	Conveyors, hoists, cranes, monorails ..	-	156.31	146.23	143.05	139.83	-	3.61	3.49	3.35	3.29
3537	Industrial trucks and tractors	-	144.08	137.86	132.93	130.41	-	3.39	3.33	3.15	3.15
354	Metal working machinery	175.87	175.78	169.56	158.11	158.34	3.97	3.95	3.88	3.66	3.64
3541	Machine tools, metal cutting types	-	172.82	164.92	156.02	155.88	-	3.91	3.80	3.62	3.60
3544	Special dies, tools, jigs & fixtures ..	-	196.42	186.40	173.21	174.33	-	4.27	4.17	3.91	3.90
3545	Machine tool accessories	-	153.97	150.78	142.04	141.54	-	3.64	3.59	3.39	3.37
3542,8	Misc. metal working machinery	-	159.36	157.54	145.01	146.29	-	3.63	3.63	3.42	3.41
355	Special industry machinery	146.97	147.99	141.28	138.67	138.03	3.41	3.41	3.34	3.24	3.21
3551	Food products machinery	-	151.59	145.60	138.69	140.48	-	3.55	3.50	3.31	3.29
3552	Textile machinery	-	126.85	119.85	119.26	117.43	-	2.95	2.84	2.78	2.75
3555	Printing trades machinery	-	155.66	147.85	153.28	150.93	-	3.62	3.58	3.54	3.51
356	General industrial machinery	153.61	153.43	150.30	144.16	143.31	3.64	3.61	3.57	3.40	3.38
3561	Pumps and compressors	-	149.18	144.63	142.10	139.83	-	3.51	3.46	3.32	3.29
3562	Ball and roller bearings	-	158.10	157.56	149.72	148.78	-	3.72	3.69	3.49	3.46
3564	Blowers and fans	-	142.76	142.52	133.46	135.01	-	3.32	3.33	3.17	3.23
3566	Power transmission equipment	-	152.44	147.70	142.55	140.53	-	3.57	3.50	3.37	3.33
357	Office and computing machines	153.82	151.84	145.66	143.90	142.12	3.68	3.65	3.57	3.41	3.40
3573	Electronic computing equipment	-	154.03	150.95	147.56	144.82	-	3.65	3.62	3.40	3.36
358	Service industry machines	136.37	134.56	132.11	126.58	127.00	3.31	3.29	3.23	3.11	3.09
3585	Refrigeration machinery	-	135.86	132.93	126.67	127.20	-	3.33	3.25	3.12	3.11
359	Misc. machinery, except electrical	151.20	151.12	146.97	141.47	140.18	3.50	3.49	3.45	3.29	3.26

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
<i>Durable Goods--Continued</i>											
33	PRIMARY METAL INDUSTRIES	41.7	42.1	41.8	40.9	41.3	-	4.5	4.2	3.6	3.7
331	Blast furnace and basic steel products	(*)	41.8	41.5	38.8	39.4	-	3.8	3.5	1.7	1.8
3312	Blast furnaces and steel mills	-	41.7	41.3	38.5	39.1	-	-	-	-	-
332	Iron and steel foundries	42.3	42.4	42.0	42.8	43.1	-	5.4	5.0	5.7	5.8
3321	Gray iron foundries	-	42.6	42.3	43.5	43.7	-	-	-	-	-
** 3322	Malleable iron foundries	-	41.6	42.1	40.8	41.4	-	-	-	-	-
3323	Steel foundries	-	42.2	41.3	42.0	42.5	-	-	-	-	-
333,4	Nonferrous metals	42.4	42.7	42.4	42.5	42.8	-	5.0	4.8	4.5	4.5
3334	Primary aluminum	-	41.5	41.6	42.4	42.4	-	-	-	-	-
335	Nonferrous rolling and drawing	42.1	42.8	42.7	43.3	43.5	-	5.1	5.0	5.4	5.3
3351	Copper rolling and drawing	-	43.5	43.5	43.6	43.6	-	-	-	-	-
3352	Aluminum rolling and drawing	-	42.3	42.3	43.4	43.4	-	-	-	-	-
3357	Nonferrous wire drawing and insulating	-	43.0	42.7	43.0	43.9	-	-	-	-	-
336	Nonferrous foundries	41.1	41.5	40.7	41.6	41.5	-	4.5	3.7	4.6	4.5
3361	Aluminum castings	-	41.0	40.6	42.0	41.8	-	-	-	-	-
3362,9	Other nonferrous castings	-	42.1	40.9	41.1	41.3	-	-	-	-	-
339	Miscellaneous primary metal products	42.0	42.5	41.6	42.3	42.8	-	5.6	5.1	5.2	5.5
3391	Iron and steel forgings	-	42.6	41.3	42.0	42.8	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	41.7	42.0	41.7	42.4	42.5	-	4.6	4.2	4.9	5.0
341	Metal cans	42.9	44.3	45.7	44.7	45.8	-	5.9	6.7	5.9	7.4
342	Cutlery, hand tools, and hardware	41.1	41.3	40.7	41.7	41.7	-	3.4	3.0	4.0	3.8
3421,3,5	Cutlery and hand tools, incl. saws	-	41.1	40.5	41.8	41.7	-	-	-	-	-
3429	Hardware, n e c	-	41.3	40.9	41.7	41.7	-	-	-	-	-
343	Plumbing and heating, except electric	40.3	40.4	40.4	41.2	41.3	-	3.2	3.2	3.6	3.7
3431,2	Sanitary ware & plumbers' brass goods	-	40.3	40.2	41.2	41.4	-	-	-	-	-
3433	Heating equipment, except electric	-	40.5	40.7	41.1	41.2	-	-	-	-	-
344	Fabricated structural metal products	41.3	41.5	41.3	41.8	41.9	-	4.2	4.0	4.3	4.4
3441	Fabricated structural steel	-	41.7	41.6	42.1	42.2	-	-	-	-	-
3442	Metal doors, sash, and trim	-	40.1	40.1	41.4	40.6	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	42.2	42.1	42.1	42.5	-	-	-	-	-
3444	Sheet metal work	-	41.4	41.0	41.5	41.4	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	41.5	41.6	41.9	42.7	-	-	-	-	-
345	Screw machine products, bolts, etc.	43.3	43.5	43.0	43.6	43.7	-	5.9	5.5	5.4	5.7
3451	Screw machine products	-	42.3	41.9	43.0	43.3	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	44.5	44.0	44.2	44.1	-	-	-	-	-
346	Metal stampings	42.6	43.3	42.3	44.0	43.8	-	5.8	4.8	7.0	6.5
347	Metal services, n e c	40.8	41.3	40.8	41.0	41.2	-	4.5	4.2	4.5	4.6
348	Misc. fabricated wire products	40.6	40.9	40.6	41.7	41.5	-	4.1	3.9	4.2	4.2
349	Misc. fabricated metal products	41.5	41.7	41.1	41.8	42.0	-	4.0	3.9	4.0	4.3
3494,8	Valves, pipe, and pipe fittings	-	41.9	41.3	42.1	42.2	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	42.5	42.7	42.0	42.3	42.3	-	4.7	4.3	4.2	4.2
351	Engines and turbines	40.4	41.1	40.3	41.5	41.6	-	4.5	3.9	4.5	4.2
3511	Steam engines and turbines	-	41.9	41.2	42.1	42.2	-	-	-	-	-
3519	Internal combustion engines, n e c	-	40.8	39.9	41.2	41.3	-	-	-	-	-
352	Farm machinery	-	40.6	40.3	40.4	40.1	-	2.5	2.6	2.9	2.4
353	Construction and related machinery	42.2	42.6	41.7	42.3	41.9	-	4.6	3.9	3.9	3.9
3531,2	Construction and mining machinery	-	42.2	41.5	42.0	41.7	-	-	-	-	-
3533	Oil field machinery	-	43.4	42.7	43.2	43.0	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	43.3	41.9	42.7	42.5	-	-	-	-	-
3537	Industrial trucks and tractors	-	42.5	41.4	42.2	41.4	-	-	-	-	-
354	Metal working machinery	44.3	44.5	43.7	43.2	43.5	-	6.2	5.6	4.9	5.1
3541	Machine tools, metal cutting types	-	44.2	43.4	43.1	43.3	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	46.0	44.7	44.3	44.7	-	-	-	-	-
3545	Machine tool accessories	-	42.3	42.0	41.9	42.0	-	-	-	-	-
3542,8	Misc. metal working machinery	-	43.9	43.4	42.4	42.9	-	-	-	-	-
355	Special industry machinery	43.1	43.4	42.3	42.8	43.0	-	5.1	4.5	4.5	4.8
3551	Food products machinery	-	42.7	41.6	41.9	42.7	-	-	-	-	-
3552	Textile machinery	-	43.0	42.2	42.9	42.7	-	-	-	-	-
3555	Printing trades machinery	-	43.0	41.3	43.3	43.0	-	-	-	-	-
356	General industrial machinery	42.2	42.5	42.1	42.4	42.4	-	4.7	4.4	4.2	4.2
3561	Pumps and compressors	-	42.5	41.8	42.8	42.5	-	-	-	-	-
3562	Ball and roller bearings	-	42.5	42.7	42.9	43.0	-	-	-	-	-
3564	Blowers and fans	-	43.0	42.8	42.1	41.8	-	-	-	-	-
3566	Power transmission equipment	-	42.7	42.2	42.3	42.2	-	-	-	-	-
357	Office and computing machines	41.8	41.6	40.8	42.2	41.8	-	3.8	2.6	3.4	3.2
3573	Electronic computing equipment	-	42.2	41.7	43.4	43.1	-	-	-	-	-
358	Service industry machines	41.2	40.9	40.9	40.7	41.1	-	2.9	3.3	3.1	3.2
3585	Refrigeration machinery	-	40.8	40.9	40.6	40.9	-	-	-	-	-
359	Misc. machinery, except electrical	43.2	43.3	42.6	43.0	43.0	-	5.4	5.2	5.3	5.4

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES...	\$127.17	\$127.70	\$124.53	\$120.99	\$120.66	\$3.14	\$3.13	\$3.09	\$2.98	\$2.95
361	Electric test & distributing equipment ...	134.64	134.37	131.11	129.17	128.24	3.26	3.23	3.19	3.12	3.09
3611	Electric measuring instruments	-	122.10	117.68	115.30	113.40	-	3.00	2.92	2.84	2.80
3612	Transformers	-	137.25	134.78	131.56	130.42	-	3.26	3.24	3.17	3.12
3613	Switchgear and switchboard apparatus...	-	142.04	138.69	138.60	137.76	-	3.39	3.35	3.30	3.28
362	Electrical industrial apparatus	134.78	134.37	131.61	126.28	124.84	3.24	3.23	3.21	3.08	3.03
3621	Motors and generators	-	136.92	133.08	130.00	127.91	-	3.26	3.23	3.14	3.06
3622	Industrial controls	-	129.97	127.70	120.09	119.58	-	3.17	3.13	2.98	2.96
363	Household appliances	132.73	133.90	133.32	132.16	131.24	3.31	3.29	3.30	3.20	3.17
3632	Household refrigerators and freezers...	-	149.51	145.64	146.56	141.58	-	3.62	3.65	3.54	3.47
3633	Household laundry equipment	-	134.85	146.85	141.20	144.48	-	3.44	3.53	3.37	3.36
3634	Electric housewares and fans	-	112.05	109.47	105.67	106.34	-	2.70	2.67	2.59	2.60
364	Electric lighting and wiring equipment ...	118.99	119.18	116.11	112.56	112.72	2.96	2.95	2.91	2.80	2.79
3641	Electric lamps	-	119.20	111.94	114.51	108.47	-	2.98	2.90	2.87	2.76
3642	Lighting fixtures	-	120.10	121.20	113.24	116.85	-	3.01	3.00	2.81	2.85
3643,4	Wiring devices	-	118.61	114.69	111.63	111.65	-	2.90	2.86	2.77	2.75
365	Radio and TV receiving equipment	106.15	106.47	105.15	100.47	100.69	2.75	2.73	2.71	2.55	2.53
366	Communication equipment	147.68	147.91	143.44	135.96	136.12	3.55	3.53	3.49	3.30	3.28
3661	Telephone and telegraph apparatus	-	156.31	151.37	138.99	140.08	-	3.61	3.57	3.39	3.40
3662	Radio and TV communication equipment	-	142.68	138.57	134.64	133.95	-	3.48	3.43	3.26	3.22
367	Electronic components and accessories ..	108.50	108.26	105.99	102.56	102.68	2.74	2.72	2.69	2.59	2.58
3671-3	Electron tubes	-	120.39	116.61	111.39	110.54	-	2.98	2.93	2.82	2.82
3674,9	Other electronic components	-	105.34	103.75	100.58	101.20	-	2.66	2.64	2.54	2.53
369	Misc. electrical equipment & supplies....	138.24	138.92	135.53	135.94	136.18	3.38	3.38	3.33	3.26	3.25
3694	Engine electrical equipment	-	142.21	139.55	138.45	140.49	-	3.52	3.48	3.41	3.41
37	TRANSPORTATION EQUIPMENT	166.69	167.11	159.17	162.92	160.07	3.95	3.96	3.93	3.78	3.74
371	Motor vehicles and equipment	(*)	177.19	164.36	178.20	173.36	(*)	4.14	4.14	3.96	3.94
3711	Motor vehicles	-	184.47	164.63	189.60	181.40	-	4.29	4.39	4.06	4.04
3712	Passenger car bodies	-	189.23	153.08	194.19	178.08	-	4.35	4.30	4.24	4.20
3713	Truck and bus bodies	-	138.77	136.42	130.41	142.28	-	3.36	3.36	3.22	3.34
3714	Motor vehicle parts and accessories ...	-	175.48	172.57	172.92	170.87	-	4.10	4.07	3.93	3.91
3715	Truck trailers	-	124.31	123.01	121.77	122.59	-	3.10	3.06	2.97	2.99
372	Aircraft and parts	165.85	164.25	162.21	155.17	153.77	3.93	3.92	3.89	3.73	3.67
3721	Aircraft	-	165.90	165.03	156.91	154.61	-	3.95	3.92	3.79	3.69
3722	Aircraft engines and engine parts	-	163.10	157.16	154.01	152.81	-	3.93	3.89	3.72	3.70
3723,9	Other aircraft parts and equipment	-	159.94	159.98	152.51	152.44	-	3.79	3.80	3.58	3.57
373	Ship and boat building and repairing	155.72	152.35	145.48	141.86	142.90	3.69	3.68	3.61	3.46	3.46
3731	Ship building and repairing	-	161.87	152.78	150.10	151.94	-	3.91	3.81	3.67	3.67
3732	Boat building and repairing	-	119.39	117.62	113.02	111.11	-	2.87	2.89	2.73	2.71
374	Railroad equipment	-	161.46	157.87	147.10	142.92	-	3.90	3.86	3.65	3.60
375,9	Other transportation equipment	-	118.19	115.24	114.77	115.64	-	2.94	2.91	2.82	2.80
38	INSTRUMENTS AND RELATED PRODUCTS ..	131.61	132.16	128.61	123.22	123.22	3.21	3.20	3.16	3.02	3.02
381	Engineering & scientific instruments ...	-	152.34	146.97	141.28	138.51	-	3.61	3.55	3.38	3.37
382	Mechanical measuring & control devices..	129.43	129.65	125.11	119.69	120.88	3.18	3.17	3.12	2.97	2.97
3821	Mechanical measuring devices	-	132.25	127.89	119.90	121.20	-	3.21	3.15	2.99	3.00
3822	Automatic temperature controls	-	126.36	121.35	119.07	120.42	-	3.12	3.08	2.94	2.93
383,5	Optical and ophthalmic goods	121.71	123.22	119.99	114.17	114.33	3.02	3.02	2.97	2.84	2.83
385	Ophthalmic goods	-	111.88	108.78	103.74	103.60	-	2.79	2.74	2.60	2.59
384	Medical instruments and supplies.....	110.68	111.10	108.78	106.66	106.52	2.76	2.75	2.74	2.64	2.63
386	Photographic equipment and supplies ...	160.55	161.73	158.79	148.97	150.10	3.76	3.77	3.71	3.53	3.54
387	Watches, clocks, and watchcases	-	101.12	99.31	95.65	94.28	-	2.56	2.54	2.44	2.43
39	MISC. MANUFACTURING INDUSTRIES	105.32	104.66	103.22	100.15	99.90	2.68	2.67	2.64	2.51	2.51
391	Jewelry, silverware, and plated ware....	120.39	117.12	113.68	116.60	113.68	2.98	2.95	2.90	2.83	2.80
394	Toys and sporting goods	-	92.58	91.39	89.44	89.83	-	2.38	2.38	2.27	2.28
3941-3	Games, toys, dolls & play vehicles	-	88.39	87.10	85.06	84.85	-	2.29	2.28	2.17	2.17
3949	Sporting and athletic goods, n e c	-	99.04	97.78	97.11	98.15	-	2.52	2.52	2.44	2.46
395	Pens, pencils, office and art supplies....	-	105.07	102.70	97.86	99.25	-	2.66	2.60	2.49	2.50
396	Costume jewelry and notions	-	93.73	93.35	92.66	91.18	-	2.46	2.45	2.34	2.32
393,8,9	Other manufacturing industries	116.91	115.53	114.11	108.27	107.47	2.93	2.91	2.86	2.70	2.68
393	Musical instruments and parts	-	115.09	110.26	110.70	107.06	-	2.87	2.82	2.70	2.69
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	122.43	124.02	121.30	115.21	116.48	2.95	2.96	2.93	2.81	2.80
201	Meat products	132.09	135.47	129.58	124.92	126.84	3.16	3.18	3.10	3.01	3.02
2011	Meat packing plants	-	164.31	154.40	151.08	153.20	-	3.76	3.65	3.53	3.53
2013	Sausages and other prepared meats	-	144.20	144.35	134.31	138.03	-	3.50	3.47	3.30	3.31
2015	Poultry dressing plants	-	86.53	84.05	78.01	78.00	-	2.08	2.05	1.96	1.95

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.5	40.8	40.3	40.6	40.9	-	3.1	2.9	2.9	3.2
361	Electric rest & distributing equipment	41.3	41.6	41.1	41.4	41.5	-	3.7	3.1	3.2	3.4
3611	Electric measuring instruments	-	40.7	40.3	40.6	40.5	-	-	-	-	-
3612	Transformers	-	42.1	41.6	41.5	41.8	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.9	41.4	42.0	42.0	-	-	-	-	-
362	Electrical industrial apparatus	41.6	41.6	41.0	41.0	41.2	-	4.1	3.6	3.1	3.3
3621	Motors and generators	-	42.0	41.2	41.4	41.8	-	-	-	-	-
3622	Industrial controls	-	41.0	40.8	40.3	40.4	-	-	-	-	-
363	Household appliances	40.1	40.7	40.4	41.3	41.4	-	3.3	3.5	3.5	3.7
3632	Household refrigerators and freezers	-	41.3	39.9	41.4	40.8	-	-	-	-	-
3633	Household laundry equipment	-	39.2	41.6	41.9	43.0	-	-	-	-	-
3634	Electric housewares and fans	-	41.5	41.0	40.8	40.9	-	-	-	-	-
364	Electric lighting and wiring equipment	40.2	40.4	39.9	40.2	40.4	-	3.0	2.6	2.6	3.1
3641	Electric lamps	-	40.0	38.6	39.9	39.3	-	-	-	-	-
3642	Lighting fixtures	-	39.9	40.4	40.3	41.0	-	-	-	-	-
3643,4	Wiring devices	-	40.9	40.1	40.3	40.6	-	-	-	-	-
365	Radio and TV receiving equipment	38.6	39.0	38.8	39.4	39.8	-	2.0	1.7	2.3	2.5
366	Communication equipment	41.6	41.9	41.1	41.2	41.5	-	3.5	3.5	2.9	3.3
3661	Telephone and telegraph apparatus	-	43.3	42.4	41.0	41.2	-	-	-	-	-
3662	Radio and TV communication equipment	-	41.0	40.4	41.3	41.6	-	-	-	-	-
367	Electronic components and accessories	39.6	39.8	39.4	39.6	39.8	-	2.3	2.2	2.1	2.6
3671-3	Electron tubes	-	40.4	39.8	39.5	39.2	-	-	-	-	-
3674,9	Other electronic components	-	39.6	39.3	39.6	40.0	-	-	-	-	-
369	Misc. electrical equipment & supplies	40.9	41.1	40.7	41.7	41.9	-	3.2	2.8	4.2	4.2
3694	Engine electrical equipment	-	40.4	40.1	40.6	41.2	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	42.2	42.2	40.5	43.1	42.8	-	4.3	3.7	5.5	5.0
371	Motor vehicles and equipment	(*)	42.8	39.7	45.0	44.0	-	4.9	4.1	7.6	6.5
3711	Motor vehicles	-	43.0	37.5	46.7	44.9	-	-	-	-	-
3712	Passenger car bodies	-	43.5	35.6	45.8	42.4	-	-	-	-	-
3713	Truck and bus bodies	-	41.3	40.6	40.5	42.6	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	42.8	42.4	44.0	43.7	-	-	-	-	-
3715	Truck trailers	-	40.1	40.2	41.0	41.0	-	-	-	-	-
372	Aircraft and parts	42.2	41.9	41.7	41.6	41.9	-	3.7	3.3	3.5	3.5
3721	Aircraft	-	42.0	42.1	41.4	41.9	-	-	-	-	-
3722	Aircraft engines and engine parts	-	41.5	40.4	41.4	41.3	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	42.2	42.1	42.6	42.7	-	-	-	-	-
373	Ship and boat building and repairing	42.2	41.4	40.3	41.0	41.3	-	4.1	3.9	3.5	3.8
3731	Ship building and repairing	-	41.4	40.1	40.9	41.4	-	-	-	-	-
3732	Boat building and repairing	-	41.6	40.7	41.4	41.0	-	-	-	-	-
374	Railroad equipment	-	41.4	40.9	40.3	39.7	-	4.3	3.9	2.5	2.4
375,9	Other transportation equipment	-	40.2	39.6	40.7	41.3	-	3.0	2.9	3.5	3.8
38	INSTRUMENTS AND RELATED PRODUCTS	41.0	41.3	40.7	40.8	40.8	-	3.3	2.8	2.9	3.1
381	Engineering & scientific instruments	-	42.2	41.4	41.8	41.1	-	4.1	3.2	3.5	3.4
382	Mechanical measuring & control devices	40.7	40.9	40.1	40.3	40.7	-	3.4	2.9	2.8	3.1
3821	Mechanical measuring devices	-	41.2	40.6	40.1	40.4	-	-	-	-	-
3822	Automatic temperature controls	-	40.5	39.4	40.5	41.1	-	-	-	-	-
383,5	Optical and ophthalmic goods	40.3	40.8	40.4	40.2	40.4	-	3.1	2.5	2.2	2.5
385	Ophthalmic goods	-	40.1	39.7	39.9	40.0	-	2.6	2.0	2.1	2.5
384	Medical instruments and supplies	40.1	40.4	39.7	40.4	40.5	-	2.5	2.2	2.6	2.9
386	Photographic equipment and supplies	42.7	42.9	42.8	42.2	42.4	-	4.1	3.5	3.7	4.0
387	Watches, clocks, and watch cases	-	39.5	39.1	39.2	38.8	-	2.3	1.9	2.1	2.0
39	MISC. MANUFACTURING INDUSTRIES	39.3	39.2	39.1	39.9	39.8	-	2.8	2.6	3.0	3.0
391	Jewelry, silverware, and plated ware	40.4	39.7	39.2	41.2	40.6	-	3.2	2.6	4.1	3.6
394	Toys and sporting goods	-	38.9	38.4	39.4	39.4	-	2.7	2.3	3.0	3.0
3941-3	Games, toys, dolls, & play vehicles	-	38.6	38.2	39.2	39.1	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.3	38.8	39.8	39.9	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.5	39.5	39.3	39.7	-	2.5	2.3	1.7	2.2
396	Costume jewelry and notions	-	38.1	38.1	39.6	39.3	-	2.5	2.4	2.8	2.7
393,8,9	Other manufacturing industries	39.9	39.7	39.9	40.1	40.1	-	2.9	3.0	3.2	3.1
393	Musical instruments and parts	-	40.1	39.1	41.0	39.8	-	2.3	2.2	3.2	2.4
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	41.5	41.9	41.4	41.0	41.6	-	5.1	4.5	4.3	4.9
201	Meat products	41.8	42.6	41.8	41.5	42.0	-	5.7	5.0	4.8	5.4
2011	Meat packing plants	-	43.7	42.3	42.8	43.4	-	-	-	-	-
2013	Sausages and other prepared meats	-	41.2	41.6	40.7	41.7	-	-	-	-	-
2015	Poultry dressing plants	-	41.6	41.0	39.8	40.0	-	-	-	-	-

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	\$128.34	\$129.78	\$127.56	\$121.09	\$122.25	\$3.10	\$3.09	\$3.03	\$2.89	\$2.89
2024	Ice cream and frozen desserts	-	120.90	122.13	117.56	117.05	-	3.00	2.95	2.91	2.89
2026	Fluid milk	-	138.78	136.21	127.93	130.16	-	3.25	3.19	3.01	3.02
203	Canned, cured, and frozen foods	-	106.34	101.91	94.49	97.82	-	2.52	2.51	2.38	2.38
2031,6	Canned, cured, and frozen sea foods	-	82.26	88.74	77.68	81.00	-	2.26	2.36	2.14	2.16
2032,3	Canned food, except sea foods	-	113.34	106.40	98.90	103.46	-	2.57	2.57	2.43	2.44
2037	Frozen fruits and vegetables	-	96.46	93.77	89.89	89.78	-	2.37	2.35	2.27	2.25
204	Grain mill products	141.51	144.92	140.30	134.99	135.24	3.11	3.13	3.07	2.98	2.94
2041	Flour and other grain mill products	-	151.02	149.59	148.46	147.01	-	3.22	3.21	3.08	3.05
2042	Prepared feeds for animals and fowls	-	130.42	124.34	118.88	121.68	-	2.74	2.64	2.63	2.60
205	Bakery products	121.70	122.61	122.01	113.83	114.29	3.05	3.05	3.02	2.86	2.85
2051	Bread, cake, and related products	-	123.60	123.62	115.31	116.06	-	3.09	3.06	2.89	2.88
2052	Cookies and crackers	-	115.59	116.35	108.90	108.50	-	2.84	2.88	2.75	2.74
206	Sugar	-	132.11	134.40	106.47	123.91	-	3.23	3.20	2.78	3.09
207	Confectionery and related products	101.66	104.80	104.00	100.28	101.75	2.60	2.62	2.60	2.47	2.50
2071	Confectionery products	-	100.58	99.54	96.72	97.28	-	2.54	2.52	2.40	2.42
208	Beverages	137.02	138.05	141.86	132.76	133.01	3.46	3.46	3.46	3.27	3.26
2082	Malt liquors	-	186.68	191.10	171.33	172.98	-	4.52	4.55	4.22	4.25
2086	Bottled and canned soft drinks	-	103.10	108.73	99.35	99.54	-	2.61	2.62	2.49	2.47
209	Misc. foods and kindred products	123.06	122.01	120.47	118.02	116.48	2.93	2.94	2.91	2.79	2.78
21	TOBACCO MANUFACTURES	99.96	98.81	94.50	92.58	94.49	2.55	2.54	2.52	2.38	2.38
211	Cigarettes	-	126.01	116.07	111.75	117.87	-	3.29	3.18	3.07	3.11
212	Cigars	-	79.42	78.45	77.39	75.02	-	2.09	2.07	2.01	1.99
22	TEXTILE MILL PRODUCTS	98.33	98.16	97.99	94.21	94.02	2.41	2.40	2.39	2.27	2.26
221	Weaving mills, cotton	100.43	100.43	99.84	93.79	93.75	2.42	2.42	2.40	2.26	2.27
222	Weaving mills, synthetics	103.99	104.98	104.13	101.36	102.29	2.47	2.47	2.45	2.33	2.33
223	Weaving and finishing mills, wool	103.25	100.45	99.72	99.45	100.15	2.47	2.45	2.45	2.34	2.34
224	Narrow fabric mills	98.33	97.10	94.94	91.35	91.84	2.41	2.41	2.35	2.25	2.24
225	Knitting mills	87.02	87.71	88.08	86.33	87.20	2.29	2.29	2.27	2.18	2.18
2251	Women's hosiery, except socks	-	87.62	87.36	86.72	87.85	-	2.27	2.24	2.19	2.18
2252	Hosiery, n e c	-	77.75	78.04	75.98	74.65	-	2.09	2.07	2.01	1.98
2253	Knit outerwear mills	-	89.52	89.96	88.92	89.38	-	2.40	2.38	2.28	2.28
2254	Knit underwear mills	-	79.02	80.35	81.40	82.62	-	2.13	2.12	2.04	2.04
226	Textile finishing, except wool	108.54	108.54	106.43	101.46	99.72	2.56	2.56	2.54	2.41	2.38
227	Floor covering mills	-	109.62	107.80	100.69	101.62	-	2.48	2.45	2.32	2.32
228	Yarn and thread mills	90.72	91.35	90.76	87.77	87.77	2.24	2.25	2.23	2.12	2.12
229	Miscellaneous textile goods	112.10	111.51	109.78	106.82	106.14	2.65	2.63	2.62	2.49	2.48
23	APPAREL AND OTHER TEXTILE PRODUCTS	83.90	84.37	83.85	82.63	82.26	2.35	2.35	2.31	2.27	2.26
231	Men's and boys' suits and coats	106.22	105.56	105.75	103.18	102.76	2.84	2.84	2.82	2.68	2.69
232	Men's and boys' furnishings	74.54	74.50	73.46	71.96	71.76	2.02	2.03	1.98	1.95	1.95
2321	Men's and boys' shirts and nightwear	-	74.00	71.97	69.89	69.14	-	2.00	1.94	1.92	1.91
2327	Men's and boys' separate trousers	-	73.89	73.46	72.36	71.97	-	2.03	1.98	1.94	1.94
2328	Men's and boys' work clothing	-	71.34	71.59	70.66	70.27	-	1.96	1.94	1.92	1.92
233	Women's and misses' outerwear	84.17	84.09	85.41	83.30	83.55	2.52	2.51	2.49	2.45	2.45
2331	Women's and misses' blouses and waists	-	74.56	74.82	71.90	71.55	-	2.18	2.15	2.09	2.08
2335	Women's and misses' dresses	-	84.18	86.02	84.66	84.25	-	2.59	2.56	2.55	2.53
2337	Women's and misses' suits and coats	-	94.98	97.01	94.73	96.40	-	2.81	2.82	2.77	2.77
2339	Women's and misses' outerwear, n e c	-	76.74	76.18	74.05	73.42	-	2.18	2.14	2.08	2.08
234	Women's and children's undergarments	77.47	78.32	78.02	76.43	77.08	2.14	2.14	2.12	2.06	2.05
2341	Women's and children's underwear	-	76.96	76.43	75.17	75.40	-	2.08	2.06	2.01	2.00
2342	Corsets and allied garments	-	81.40	80.64	79.06	80.35	-	2.28	2.24	2.16	2.16
235	Hats, caps, and millinery	-	76.87	78.99	75.40	77.33	-	2.19	2.17	2.13	2.16
236	Children's outerwear	74.26	75.11	75.90	74.57	74.11	2.14	2.14	2.12	2.06	2.07
2361	Children's dresses and blouses	-	72.97	73.36	72.42	69.89	-	2.14	2.09	2.04	2.02
237,8	Fur goods and miscellaneous apparel	-	89.28	88.45	87.95	86.74	-	2.48	2.41	2.39	2.37
239	Misc. fabricated textile products	92.20	95.73	92.83	93.60	94.08	2.42	2.48	2.43	2.40	2.40
2391,2	Housefurnishings	-	80.85	79.87	77.59	77.60	-	2.10	2.08	2.01	2.00
26	PAPER AND ALLIED PRODUCTS	142.00	142.99	141.04	134.54	135.60	3.31	3.31	3.28	3.10	3.11
261,2,6	Paper and pulp mills	162.95	163.32	163.07	153.77	153.77	3.67	3.67	3.64	3.44	3.44
263	Paperboard mills	163.24	167.90	166.90	154.69	157.90	3.66	3.69	3.66	3.43	3.44
264	Misc. converted paper products	124.09	123.85	120.42	117.18	118.02	2.99	2.97	2.93	2.81	2.81
2643	Bags, except textile bags	-	116.44	114.24	109.82	111.04	-	2.84	2.80	2.64	2.65
265	Paperboard containers and boxes	128.52	129.74	127.26	123.55	124.27	3.06	3.06	3.03	2.88	2.89
2651,2	Folding and setup paperboard boxes	-	116.72	115.90	109.03	109.30	-	2.84	2.82	2.64	2.64
2653	Corrugated and solid fiber boxes	-	141.26	137.60	135.86	136.62	-	3.24	3.20	3.06	3.07
2654	Sanitary food containers	-	126.42	124.98	119.13	120.69	-	3.01	2.99	2.85	2.86

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products.....	41.4	42.0	42.1	41.9	42.3	-	4.4	4.1	3.9	4.4
2024	Ice cream and frozen desserts.....	-	40.3	41.4	40.4	40.5	-	-	-	-	-
2026	Fluid milk.....	-	42.7	42.7	42.5	43.1	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	42.2	40.6	39.7	41.1	-	5.4	4.1	3.7	4.8
2031,6	Canned, cured and frozen sea foods.....	-	36.4	37.6	36.3	37.5	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	44.1	41.4	40.7	42.4	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	40.7	39.9	39.6	39.9	-	-	-	-	-
204	Grain mill products.....	45.5	46.3	45.7	45.3	46.0	-	8.1	7.5	7.6	8.3
2041	Flour and other grain mill product.....	-	46.9	46.6	48.2	48.2	-	-	-	-	-
2042	Prepared feeds for animals and fowls.....	-	47.6	47.1	45.2	46.8	-	-	-	-	-
205	Bakery products.....	39.9	40.2	40.4	39.8	40.1	-	4.2	3.9	3.5	3.9
2051	Bread, cake, and related products.....	-	40.0	40.4	39.9	40.3	-	-	-	-	-
2052	Cookies and crackers.....	-	40.7	40.4	39.6	39.6	-	-	-	-	-
206	Sugar.....	-	40.9	42.0	38.3	40.1	-	4.8	4.3	2.8	4.2
207	Confectionery and related products.....	39.1	40.0	40.0	40.6	40.7	-	3.1	3.1	3.4	3.7
2071	Confectionery products.....	-	39.6	39.5	40.3	40.2	-	-	-	-	-
208	Beverages.....	39.6	39.9	41.0	40.6	40.8	-	3.6	4.1	3.4	3.8
2082	Malt liquors.....	-	41.3	42.0	40.6	40.7	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	39.5	41.5	39.9	40.3	-	-	-	-	-
209	Misc. foods and kindred products.....	42.0	41.5	41.4	42.3	41.9	-	4.7	4.7	5.1	5.0
21	TOBACCO MANUFACTURES.....	39.2	38.9	37.5	38.9	39.7	-	2.0	1.5	1.6	2.1
211	Cigarettes.....	-	38.3	36.5	36.4	37.9	-	2.3	1.1	.7	2.3
212	Cigars.....	-	38.0	37.9	38.5	37.7	-	1.5	1.2	1.6	1.0
22	TEXTILE MILL PRODUCTS.....	40.8	40.9	41.0	41.5	41.6	-	4.2	4.0	4.3	4.4
221	Weaving mills, cotton.....	41.5	41.5	41.6	41.5	41.3	-	4.6	4.3	4.3	4.2
222	Weaving mills, synthetics.....	42.1	42.5	42.5	43.5	43.9	-	4.8	4.6	5.7	6.0
223	Weaving and finishing mills, wool.....	41.8	41.0	40.7	42.5	42.8	-	3.7	3.6	4.6	4.7
224	Narrow fabric mills.....	40.8	40.8	40.4	40.6	41.0	-	3.4	3.4	3.3	3.6
225	Knitting mills.....	38.0	38.3	38.8	39.6	40.0	-	2.8	2.8	3.1	3.4
2251	Women's hosiery, except socks.....	-	38.6	39.0	39.6	40.3	-	-	-	-	-
2252	Hosiery, n e c.....	-	37.2	37.7	37.8	37.7	-	-	-	-	-
2253	Knit outerwear mills.....	-	37.3	37.8	39.0	39.2	-	-	-	-	-
2254	Knit underwear mills.....	-	37.1	37.9	39.9	40.5	-	-	-	-	-
226	Textile finishing, except wool.....	42.4	42.4	41.9	42.1	41.9	-	5.3	5.0	4.7	4.8
227	Floor covering mills.....	-	44.2	44.0	43.4	43.8	-	6.4	6.0	5.6	6.1
228	Yarn and thread mills.....	40.5	40.6	40.7	41.4	41.4	-	3.9	3.8	4.2	4.1
229	Miscellaneous textile goods.....	42.3	42.4	41.9	42.9	42.8	-	4.9	4.7	4.9	4.8
23	APPAREL AND OTHER TEXTILE PRODUCTS.....	35.7	35.9	36.3	36.4	36.4	-	1.4	1.4	1.5	1.6
231	Men's and boys' suits and coats.....	37.4	37.3	37.5	38.5	38.2	-	1.4	1.4	1.9	1.8
232	Men's and boys' furnishings.....	36.9	36.7	37.1	36.9	36.8	-	1.2	1.3	1.2	1.2
2321	Men's and boys' shirts and nightwear.....	-	37.0	37.1	36.4	36.2	-	-	-	-	-
2327	Men's and boys' separate trousers.....	-	36.4	37.1	37.3	37.1	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	36.4	36.9	36.8	36.6	-	-	-	-	-
233	Women's and misses' outerwear.....	33.4	33.5	34.3	34.0	34.1	-	1.1	1.2	1.1	1.2
2331	Women's and misses' blouses and waists.....	-	34.2	34.8	34.4	34.4	-	-	-	-	-
2335	Women's and misses' dresses.....	-	32.5	33.6	33.2	33.3	-	-	-	-	-
2337	Women's and misses' suits and coats.....	-	33.8	34.4	34.2	34.8	-	-	-	-	-
2339	Women's and misses' outerwear, n e c.....	-	35.2	35.6	35.6	35.3	-	-	-	-	-
234	Women's and children's undergarments.....	36.2	36.6	36.8	37.1	37.6	-	1.5	1.5	1.4	1.9
2341	Women's and children's underwear.....	-	37.0	37.1	37.4	37.7	-	-	-	-	-
2342	Corsets and allied garments.....	-	35.7	36.0	36.6	37.2	-	-	-	-	-
235	Hats, caps, and millinery.....	-	35.1	36.4	35.4	35.8	-	.7	1.2	1.1	1.2
236	Children's outerwear.....	34.7	35.1	35.8	36.2	35.8	-	1.2	1.4	1.4	1.4
2361	Children's dresses and blouses.....	-	34.1	35.1	35.5	34.6	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel.....	-	36.0	36.7	36.8	36.6	-	1.3	1.3	1.5	1.5
239	Misc. fabricated textile products.....	38.1	38.6	38.2	39.0	39.2	-	2.6	2.1	2.9	3.0
2391,2	Housefurnishings.....	-	38.5	38.4	38.6	38.8	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS.....	42.9	43.2	43.0	43.4	43.6	-	5.7	5.5	5.7	6.0
261,2,6	Paper and pulp mills.....	44.4	44.5	44.8	44.7	44.7	-	6.7	6.6	6.6	6.7
263	Paperboard mills.....	44.6	45.5	45.6	45.1	45.9	-	7.9	8.0	7.4	8.2
264	Misc. converted paper products.....	41.5	41.7	41.1	41.7	42.0	-	4.1	3.9	4.2	4.5
2643	Bags, except textile bags.....	-	41.0	40.8	41.6	41.9	-	-	-	-	-
265	Paperboard containers and boxes.....	42.0	42.4	42.0	42.9	43.0	-	5.3	4.9	5.4	5.6
2651,2	Folding and setup paperboard boxes.....	-	41.1	41.1	41.3	41.4	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	43.6	43.0	44.4	44.5	-	-	-	-	-
2654	Sanitary food containers.....	-	42.0	41.8	41.8	42.2	-	-	-	-	-

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
<i>Nondurable Goods--Continued</i>											
27	PRINTING AND PUBLISHING	\$144.01	\$144.75	\$142.82	\$137.39	\$137.35	\$3.76	\$3.75	\$3.70	\$3.55	\$3.54
271	Newspapers	147.55	146.06	145.48	139.29	138.96	4.11	4.08	4.03	3.88	3.86
272	Periodicals	-	169.58	164.27	156.79	156.49	-	3.99	3.93	3.76	3.78
273	Books	-	137.20	133.42	126.38	126.59	-	3.33	3.27	3.09	3.08
275	Commercial printing	148.92	149.67	148.10	141.33	142.04	3.77	3.77	3.74	3.56	3.56
2751	Commercial printing, ex. lithographic ..	-	145.73	142.99	139.35	139.25	-	3.68	3.62	3.51	3.49
2752	Commercial printing, lithographic ..	-	157.58	156.79	143.35	147.50	-	3.92	3.91	3.62	3.66
278	Blankbooks and bookbinding	109.88	110.00	106.88	105.76	105.65	2.93	2.91	2.82	2.74	2.73
274,6,7,9	Other publishing & printing ind.	142.84	143.56	143.52	136.96	136.64	3.71	3.70	3.68	3.53	3.54
28	CHEMICALS AND ALLIED PRODUCTS ...	146.85	146.37	145.53	138.69	138.60	3.53	3.51	3.49	3.31	3.30
281	Industrial chemicals	165.36	162.96	163.70	155.30	154.40	3.90	3.88	3.87	3.68	3.65
2812	Alkalies and chlorine	-	165.68	169.69	157.30	154.56	-	3.88	3.91	3.71	3.68
2818	Industrial organic chemicals, n e c . .	-	172.19	172.14	163.66	164.40	-	4.09	4.06	3.86	3.85
2819	Industrial inorganic chemicals, n e c . .	-	154.50	156.00	148.87	148.26	-	3.75	3.75	3.57	3.53
282	Plastics materials and synthetics	143.52	144.75	145.51	137.99	137.57	3.45	3.43	3.44	3.27	3.26
2821	Plastics materials and resins	-	157.32	156.82	151.29	148.77	-	3.65	3.63	3.47	3.42
2823,4	Synthetic fibers	-	131.65	133.95	125.25	125.66	-	3.18	3.22	3.04	3.05
283	Drugs	140.35	138.36	134.23	127.93	125.66	3.39	3.35	3.29	3.09	3.05
2834	Pharmaceutical preparations	-	134.64	129.77	123.22	121.39	-	3.30	3.22	3.02	2.99
284	Soap, cleaners, and toilet goods	142.55	142.42	139.88	132.80	133.54	3.46	3.44	3.42	3.20	3.21
2841	Soap and other detergents	-	183.61	185.32	168.75	171.07	-	4.27	4.27	3.98	3.96
2844	Toilet preparations	-	114.29	109.87	107.18	106.40	-	2.85	2.81	2.64	2.66
285	Paints and allied products	133.80	135.05	134.89	131.24	131.46	3.32	3.31	3.29	3.17	3.16
287	Agricultural chemicals	124.44	124.15	122.30	115.08	117.45	2.97	2.97	2.94	2.74	2.77
2871,2	Fertilizers, complete & mixing only ..	-	118.72	116.33	108.42	111.41	-	2.82	2.81	2.60	2.64
286,9	Other chemical products	139.67	139.18	136.61	132.48	135.14	3.39	3.37	3.34	3.20	3.21
2892	Explosives	-	142.56	139.55	134.31	138.78	-	3.52	3.48	3.30	3.32
29	PETROLEUM AND COAL PRODUCTS	170.85	174.15	171.60	160.98	162.49	4.02	4.05	4.00	3.77	3.77
291	Petroleum refining	175.97	179.35	177.24	165.11	166.69	4.22	4.26	4.22	3.95	3.95
295,9	Other petroleum and coal products	155.04	157.78	152.18	147.61	150.01	3.43	3.43	3.33	3.23	3.24
30	RUBBER AND PLASTICS PRODUCTS, N E C	127.51	129.58	126.69	125.16	125.46	3.11	3.13	3.09	2.98	2.98
301	Tires and inner tubes	194.34	196.54	188.29	190.11	184.99	4.29	4.31	4.26	4.16	4.12
302,3,6	Other rubber products	121.00	122.72	121.50	121.06	120.77	3.01	3.03	3.00	2.91	2.91
302	Rubber footwear	-	100.93	103.47	103.49	102.83	-	2.67	2.66	2.62	2.61
307	Miscellaneous plastics products	107.33	108.41	106.93	104.30	105.73	2.69	2.69	2.66	2.55	2.56
31	LEATHER AND LEATHER PRODUCTS ...	88.06	87.58	87.19	86.56	85.43	2.38	2.38	2.35	2.26	2.26
311	Leather tanning and finishing	119.10	117.61	117.41	114.09	112.96	3.00	2.97	2.95	2.81	2.81
314	Footwear, except rubber	84.08	83.85	84.04	83.60	82.28	2.31	2.31	2.29	2.20	2.20
312,3,5-7,5	Other leather products	87.75	86.81	85.70	84.86	83.38	2.34	2.34	2.31	2.21	2.20
316	Luggage	-	90.58	86.30	86.71	86.52	-	2.39	2.32	2.27	2.23
317	Handbags and personal leather goods..	-	83.76	83.85	83.98	82.19	-	2.27	2.26	2.17	2.18
TRANSPORTATION AND PUBLIC UTILITIES:											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ²	-	(*)	(*)	155.75	151.44	-	(*)	(*)	3.50	3.53
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	-	136.40	136.85	127.97	124.98	-	3.24	3.22	2.99	2.99
413	Intercity highway transportation	-	172.00	176.14	152.81	156.93	-	4.00	4.04	3.70	3.71
42	TRUCKING AND WAREHOUSING	-	156.51	154.82	147.77	148.25	-	3.70	3.66	3.51	3.48
421,3	Trucking and trucking terminals	-	159.75	158.05	151.79	151.51	-	3.75	3.71	3.58	3.54
422	Public warehousing	-	111.45	112.03	104.40	109.34	-	2.91	2.88	2.67	2.72
46	PIPE LINE TRANSPORTATION	-	172.10	173.46	167.27	169.74	-	4.26	4.20	4.06	4.11
48	COMMUNICATION	-	136.42	132.33	129.36	128.56	-	3.36	3.30	3.21	3.19
481	Telephone communication	-	134.64	130.57	128.30	127.48	-	3.30	3.24	3.16	3.14
4817	Switchboard operating employees ³ ..	-	96.48	95.73	94.83	92.42	-	2.68	2.63	2.57	2.56
4818	Line construction employees ⁴	-	196.80	188.20	181.50	182.52	-	4.10	4.03	3.92	3.90
482	Telegraph communication ⁵	-	148.82	148.52	143.09	141.24	-	3.51	3.47	3.32	3.30
483	Radio and television broadcasting	-	146.66	140.96	134.98	134.92	-	3.78	3.69	3.59	3.56

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
<i>Nondurable Goods--Continued</i>											
27	PRINTING AND PUBLISHING	38.3	38.6	38.6	38.7	38.8	-	3.7	3.6	3.4	3.8
271	Newspapers.....	35.9	35.8	36.1	35.9	36.0	-	2.9	2.9	2.9	3.0
272	Periodicals.....	-	42.5	41.8	41.7	41.4	-	6.1	5.8	5.2	5.1
273	Books	-	41.2	40.8	40.9	41.1	-	4.2	4.0	3.2	4.3
275	Commercial printing	39.5	39.7	39.6	39.7	39.9	-	4.1	4.1	4.0	4.3
2751	Commercial printing, ex. lithographic	-	39.6	39.5	39.7	39.9	-	-	-	-	-
2752	Commercial printing, lithographic	-	40.2	40.1	39.6	40.3	-	-	-	-	-
278	Blankbooks and bookbinding.....	37.5	37.8	37.9	38.6	38.7	-	2.8	2.3	2.2	2.9
274,6,7,9	Other publishing & printing ind.....	38.5	38.8	39.0	38.8	38.6	-	3.5	3.5	3.1	3.5
28	CHEMICALS AND ALLIED PRODUCTS..	41.6	41.7	41.7	41.9	42.0	-	3.4	3.4	3.4	3.5
281	Industrial chemicals.....	42.4	42.0	42.3	42.2	42.3	-	3.7	3.9	3.7	3.6
2812	Alkalies and chlorine.....	-	42.7	43.4	42.4	42.0	-	-	-	-	-
2818	Industrial organic chemicals, n e c.....	-	42.1	42.4	42.4	42.7	-	-	-	-	-
2819	Industrial inorganic chemicals, n e c.....	-	41.2	41.6	41.7	42.0	-	-	-	-	-
282	Plastics materials and synthetics	41.6	42.2	42.3	42.2	42.2	-	3.1	3.5	3.2	3.2
2821	Plastics materials and resins.....	-	43.1	43.2	43.6	43.5	-	-	-	-	-
2823,4	Synthetic fibers.....	-	41.4	41.6	41.2	41.2	-	-	-	-	-
283	Drugs	41.4	41.3	40.8	41.4	41.2	-	3.3	3.0	3.2	3.0
2834	Pharmaceutical preparations.....	-	40.8	40.3	40.8	40.6	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	41.2	41.4	40.9	41.5	41.6	-	3.7	3.4	3.5	4.0
2841	Soap and other detergents	-	43.0	43.4	42.4	43.2	-	-	-	-	-
2844	Toilet preparations	-	40.1	39.1	40.6	40.0	-	-	-	-	-
285	Paints and allied products.....	40.3	40.8	41.0	41.4	41.6	-	3.4	3.0	3.4	3.7
287	Agricultural chemicals.....	41.9	41.8	41.6	42.0	42.4	-	3.7	3.5	3.7	4.0
2871,2	Fertilizers, complete & mixing only..	-	42.1	41.4	41.7	42.2	-	-	-	-	-
286,9	Other chemical products	41.2	41.3	40.9	41.4	42.1	-	3.1	2.9	3.2	3.5
2892	Explosives	-	40.5	40.1	40.7	41.8	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS.....	42.5	43.0	42.9	42.7	43.1	-	4.3	4.0	4.0	4.0
291	Petroleum refining.....	41.7	42.1	42.0	41.8	42.2	-	3.2	2.8	2.9	2.8
295,9	Other petroleum and coal products.....	45.2	46.0	45.7	45.7	46.3	-	8.0	7.7	7.8	8.2
30	RUBBER AND PLASTICS PRODUCTS, NEC..	41.0	41.4	41.0	42.0	42.1	-	4.4	4.2	4.5	4.8
301	Tires and inner tubes	45.3	45.6	44.2	45.7	44.9	-	7.8	7.0	7.1	7.1
302,3,6	Other rubber products	40.2	40.5	40.5	41.6	41.5	-	3.5	3.5	3.8	4.3
302	Rubber footwear	-	37.8	38.9	39.5	39.4	-	1.7	2.6	2.1	2.5
307	Miscellaneous plastics products	39.9	40.3	40.2	40.9	41.3	-	3.8	3.7	4.1	4.2
31	LEATHER AND LEATHER PRODUCTS.....	37.0	36.8	37.1	38.3	37.8	-	1.8	1.7	2.0	2.0
311	Leather tanning and finishing.....	39.7	39.6	39.8	40.6	40.2	-	3.5	3.4	3.6	3.9
314	Footwear, except rubber.....	36.4	36.3	36.7	38.0	37.4	-	1.5	1.5	1.6	1.7
312,3,5-7,9	Other leather products	37.5	37.1	37.1	38.4	37.9	-	2.2	1.8	2.6	2.2
316	Luggage	-	37.9	37.2	38.2	38.8	-	3.1	2.2	3.3	3.2
317	Handbags and personal leather goods..	-	36.9	37.1	38.7	37.7	-	2.0	1.7	2.5	2.1
TRANSPORTATION AND PUBLIC UTILITIES:											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ²	-	(*)	(*)	44.5	42.9	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	-	42.1	42.5	42.8	41.8	-	-	-	-	-
413	Intercity highway transportation	-	43.0	43.6	41.3	42.3	-	-	-	-	-
TRUCKING AND WAREHOUSING:											
42	Trucking and trucking terminals	-	42.3	42.3	42.1	42.6	-	-	-	-	-
421,3	Trucking and trucking terminals	-	42.6	42.6	42.4	42.8	-	-	-	-	-
422	Public warehousing	-	38.3	38.9	39.1	40.2	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	40.4	41.3	41.2	41.3	-	-	-	-	-
COMMUNICATION:											
48	Telephone communication	-	40.6	40.1	40.3	40.3	-	-	-	-	-
481	Telephone communication	-	40.8	40.3	40.6	40.6	-	-	-	-	-
4817	Switchboard operating employees ³	-	36.0	36.4	36.9	36.1	-	-	-	-	-
4818	Line construction employees ⁴	-	48.0	46.7	46.3	46.8	-	-	-	-	-
482	Telegraph communication ⁵	-	42.4	42.8	43.1	42.8	-	-	-	-	-
483	Radio and television broadcasting.....	-	38.8	38.2	37.6	37.9	-	-	-	-	-

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES		\$164.32	\$162.24	\$155.08	\$153.55	-	\$3.95	\$3.90	\$3.71	\$3.70
491	Electric companies and systems		168.02	167.14	156.83	157.59	-	4.01	3.97	3.77	3.77
492	Gas companies and systems		149.92	146.73	144.90	140.22	-	3.63	3.57	3.45	3.42
493	Combination companies and systems		179.30	176.36	169.24	166.00	-	4.31	4.26	4.02	4.00
494-7	Water, steam, & sanitary systems		135.30	133.66	127.51	125.36	-	3.30	3.26	3.08	3.05
-	WHOLESALE AND RETAIL TRADE	\$91.52	92.20	93.70	87.11	88.08	\$2.60	2.59	2.56	2.44	2.44
50	WHOLESALE TRADE	131.53	131.86	131.22	123.82	124.22	3.28	3.28	3.24	3.08	3.09
501	Motor vehicles & automotive equipment		122.70	121.95	115.36	114.96	-	3.00	2.96	2.80	2.77
502	Drugs, chemicals, and allied products		134.30	132.83	123.95	126.96	-	3.40	3.38	3.17	3.19
503	Dry goods and apparel		121.50	121.22	117.56	117.87	-	3.24	3.19	3.11	3.11
504	Groceries and related products		124.64	123.41	116.97	117.83	-	3.04	3.01	2.86	2.86
506	Electrical goods		134.92	132.09	125.97	125.55	-	3.22	3.16	3.08	3.10
507	Hardware, plumbing & heating equipment		126.40	125.42	121.60	122.51	-	3.16	3.12	3.01	3.01
508	Machinery, equipment, and supplies		145.20	143.44	140.42	141.23	-	3.55	3.49	3.45	3.47
509	Miscellaneous wholesalers		132.05	133.20	121.66	122.36	-	3.36	3.33	3.08	3.09
52-59	RETAIL TRADE	78.29	79.45	81.19	75.46	75.99	2.33	2.33	2.30	2.20	2.19
53	Retail general merchandise		73.42	74.58	69.87	70.96	-	2.28	2.26	2.17	2.17
531	Department stores		77.76	78.48	73.51	74.98	-	2.43	2.40	2.29	2.30
532	Mail order houses		87.00	88.80	79.33	83.45	-	2.41	2.40	2.26	2.28
533	Variety stores		55.43	56.98	53.88	53.93	-	1.86	1.85	1.79	1.78
54	Food stores		84.88	87.21	78.49	79.53	-	2.58	2.55	2.43	2.41
541-3	Grocery, meat, and vegetable stores		86.13	88.49	79.38	81.01	-	2.61	2.58	2.45	2.44
56	Apparel and accessory stores		69.12	70.29	65.62	66.45	-	2.16	2.13	2.07	2.07
561	Men's & boys' clothing & furnishings		84.72	85.64	80.34	81.55	-	2.47	2.44	2.37	2.35
562	Women's ready-to-wear stores		62.31	64.20	59.40	59.78	-	2.01	2.00	1.91	1.91
565	Family clothing stores		65.80	67.67	62.01	62.27	-	2.00	2.02	1.95	1.94
566	Shoe stores		70.51	70.85	65.62	68.95	-	2.26	2.18	2.18	2.21
57	Furniture and home furnishings stores		105.38	105.64	99.91	100.44	-	2.81	2.78	2.65	2.65
571	Furniture and home furnishings		105.66	105.92	99.91	100.70	-	2.81	2.78	2.65	2.65
58	Eating and drinking places ⁶		55.62	57.96	53.45	54.12	-	1.76	1.73	1.66	1.65
52,55,59	Other retail trade		98.68	100.23	93.94	94.04	-	2.59	2.57	2.44	2.43
52	Building materials and farm equipment		107.74	107.83	103.07	103.16	-	2.68	2.63	2.52	2.51
551,2	Motor vehicle dealers		127.48	129.24	121.72	120.18	-	3.14	3.16	2.94	2.91
553,9	Other automotive & accessory dealers		109.56	110.14	100.91	102.55	-	2.64	2.61	2.42	2.43
591	Drug stores and proprietary stores		72.58	74.48	68.02	68.85	-	2.24	2.21	2.08	2.08
594	Book and stationery stores		82.81	87.90	79.59	82.36	-	2.45	2.49	2.39	2.36
598	Fuel and ice dealers		114.90	115.30	115.79	111.11	-	2.83	2.84	2.77	2.71
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	109.07	107.75	108.04	103.51	103.23	2.94	2.92	2.92	2.79	2.79
60	Banking		98.58	98.21	94.00	93.74	-	2.65	2.64	2.52	2.52
61	Credit agencies other than banks		98.85	99.64	94.38	94.63	-	2.65	2.65	2.51	2.51
612	Savings and loan associations		95.79	96.42	92.87	92.01	-	2.61	2.62	2.51	2.48
62	Security, commodity brokers & services		169.55	170.29	170.25	170.24	-	4.57	4.59	4.54	4.48
63	Insurance carriers		114.39	114.02	108.93	108.27	-	3.10	3.09	2.96	2.95
631	Life insurance		116.96	116.89	108.42	108.12	-	3.24	3.22	3.02	3.02
632	Accident and health insurance		100.36	101.16	95.21	95.40	-	2.78	2.81	2.63	2.65
633	Fire, marine, and casualty insurance		115.60	114.84	112.94	111.81	-	3.05	3.03	2.98	2.95
-	SERVICES:										
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶		64.73	65.34	60.00	59.29	-	1.86	1.80	1.69	1.67
	Personal Services:										
721	Laundries and dry cleaning plants		74.26	73.93	71.05	70.30	-	2.04	2.02	1.91	1.90
722	Photographic studios		82.72	84.24	82.04	79.43	-	2.26	2.34	2.26	2.25
	Motion pictures:										
781	Motion picture filming & distributing		185.93	183.77	171.72	162.01	-	4.66	4.56	4.24	4.02

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				
		Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	--	41.6	41.6	41.8	41.5	--	--	--	--	--
491	Electric companies and systems	--	41.9	42.1	41.6	41.8	--	--	--	--	--
492	Gas companies and systems	--	41.3	41.1	42.0	41.0	--	--	--	--	--
493	Combination companies and systems ..	--	41.6	41.4	42.1	41.5	--	--	--	--	--
494-7	Water, steam & sanitary systems	--	41.0	41.0	41.4	41.1	--	--	--	--	--
	WHOLESALE AND RETAIL TRADE	35.2	35.6	36.6	35.7	36.1	--	--	--	--	--
50	WHOLESALE TRADE	40.1	40.2	40.5	40.2	40.2	--	--	--	--	--
501	Motor vehicles & automotive equipment ..	--	40.9	41.2	41.2	41.5	--	--	--	--	--
502	Drugs, chemicals, and allied products ...	--	39.5	39.3	39.1	39.8	--	--	--	--	--
503	Dry goods and apparel	--	37.5	38.0	37.8	37.9	--	--	--	--	--
504	Groceries and related products	--	41.0	41.0	40.9	41.2	--	--	--	--	--
506	Electrical goods	--	41.9	41.8	40.9	40.5	--	--	--	--	--
507	Hardware, plumbing & heating equipment ..	--	40.0	40.2	40.4	40.7	--	--	--	--	--
508	Machinery, equipment, and supplies	--	40.9	41.1	40.7	40.7	--	--	--	--	--
509	Miscellaneous wholesalers	--	39.3	40.0	39.5	39.6	--	--	--	--	--
52-59	RETAIL TRADE	33.6	34.1	35.3	34.3	34.7	--	--	--	--	--
53	Retail general merchandise	--	32.2	33.0	32.2	32.7	--	--	--	--	--
531	Department stores	--	32.0	32.7	32.1	32.6	--	--	--	--	--
532	Mail order houses	--	36.1	37.0	35.1	36.6	--	--	--	--	--
533	Variety stores	--	29.8	30.8	30.1	30.3	--	--	--	--	--
54	Food stores	--	32.9	34.2	32.3	33.0	--	--	--	--	--
541-3	Grocery, meat, and vegetable stores ...	--	33.0	34.3	32.4	33.2	--	--	--	--	--
56	Apparel and accessory stores	--	32.0	33.0	31.7	32.1	--	--	--	--	--
561	Men's & boys' clothing & furnishings ..	--	34.3	35.1	33.9	34.7	--	--	--	--	--
562	Women's ready-to-wear stores	--	31.0	32.1	31.1	31.3	--	--	--	--	--
565	Family clothing stores	--	32.9	33.5	31.8	32.1	--	--	--	--	--
566	Shoe stores	--	31.2	32.5	30.1	31.2	--	--	--	--	--
57	Furniture and home furnishings stores ..	--	37.5	38.0	37.7	37.9	--	--	--	--	--
571	Furniture and home furnishings	--	37.6	38.1	37.7	38.0	--	--	--	--	--
58	Eating and drinking places ⁵	--	31.6	33.5	32.2	32.8	--	--	--	--	--
52,55,59	Other retail trade	--	38.1	39.0	38.5	38.7	--	--	--	--	--
52	Building materials and farm equipment ..	--	40.2	41.0	40.9	41.1	--	--	--	--	--
551,2	Motor vehicle dealers	--	40.6	40.9	41.4	41.3	--	--	--	--	--
553,9	Other automotive & accessory dealers ..	--	41.5	42.2	41.7	42.2	--	--	--	--	--
591	Drug stores and proprietary stores ..	--	32.4	33.7	33.7	33.1	--	--	--	--	--
594	Book and stationery stores	--	33.8	35.3	33.3	34.9	--	--	--	--	--
598	Fuel and ice dealers	--	40.6	40.6	41.8	41.0	--	--	--	--	--
	FINANCE, INSURANCE, AND REAL ESTATE⁷	37.1	36.9	37.0	37.1	37.0	--	--	--	--	--
60	Banking	--	37.2	37.2	37.3	37.2	--	--	--	--	--
61	Credit agencies other than banks	--	37.3	37.6	37.6	37.7	--	--	--	--	--
612	Savings and loan associations	--	36.7	36.8	37.0	37.1	--	--	--	--	--
62	Security, commodity brokers & services ..	--	37.1	37.1	37.5	38.0	--	--	--	--	--
63	Insurance carriers	--	36.9	36.9	36.8	36.7	--	--	--	--	--
631	Life insurance	--	36.1	36.3	35.9	35.8	--	--	--	--	--
632	Accident and health insurance	--	36.1	36.0	36.2	36.0	--	--	--	--	--
633	Fire, marine, and casualty insurance ..	--	37.9	37.9	37.9	37.9	--	--	--	--	--
	SERVICES:										
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶ ...	--	34.8	36.3	35.5	35.5	--	--	--	--	--
	Personal Services:										
721	Laundries & dry cleaning plants	--	36.4	36.6	37.2	37.0	--	--	--	--	--
722	Photographic studios	--	36.6	36.0	36.3	35.3	--	--	--	--	--
	Motion pictures:										
781	Motion picture filming & distributing ..	--	39.9	40.3	40.5	40.3	--	--	--	--	--

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

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

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

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

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

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

*Not available.

**Data for July 1969 revised as follows: \$147.65, \$3.61, 40.9 and 4.0.

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				
	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.
EXECUTIVE BRANCH													
Total employment	2,767.2	2,804.5	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
Average weekly hours	39.6	39.4	39.4	39.4	39.5	39.5	39.9	39.5	39.8	39.5	39.3	39.1	39.2
Average overtime hours . . . . .	.9	.8	1.0	1.0	1.0	1.1	1.0	1.0	1.8	1.0	1.1	1.0	.9
Indexes (1965=100):													
Average weekly earnings	124.7	119.1	117.8	118.9	117.5	117.5	118.7	117.5	119.0	117.2	115.8	114.3	112.1
Average hourly earnings	124.5	123.7	121.1	122.2	120.5	120.5	120.5	120.5	121.1	120.2	119.3	118.4	115.8
DEPARTMENT OF DEFENSE													
Total employment	1,142.9	1,167.5	1,162.4	1,125.2	1,128.2	1,129.0	1,130.4	1,131.3	1,090.6	1,083.1	1,094.1	1,097.0	1,136.5
Average weekly hours	39.8	38.5	40.2	39.9	39.8	40.2	40.7	40.2	39.5	40.0	40.1	39.8	40.0
Average overtime hours	1.0	.9	1.2	1.0	.8	1.2	1.2	1.3	1.2	1.1	1.4	1.0	1.1
Indexes (1965=100):													
Average weekly earnings	123.8	118.4	118.2	119.9	116.5	117.4	118.8	117.7	115.6	115.7	114.8	113.4	111.1
Average hourly earnings	126.9	125.5	120.0	122.6	119.4	119.1	119.1	119.4	119.4	118.0	116.8	116.2	113.3
POST OFFICE DEPARTMENT													
Total employment	741.0	739.8	736.6	723.1	720.9	718.5	718.4	718.5	795.4	721.8	711.5	712.8	731.5
Average weekly hours	38.7	39.1	38.4	38.5	38.8	38.7	39.4	38.6	41.4	39.3	38.6	38.2	38.1
Average overtime hours . . . . .	.9	.8	.9	1.1	1.3	1.2	1.0	1.1	4.0	1.2	1.2	.9	.6
Indexes (1965=100):													
Average weekly earnings	116.6	117.8	111.1	112.0	113.2	112.6	114.3	112.3	123.7	114.0	112.0	109.6	108.4
Average hourly earnings	124.4	124.4	119.5	120.1	120.5	120.1	119.8	120.1	123.4	119.8	119.8	118.5	117.5
OTHER AGENCIES													
Total employment	883.3	897.2	896.9	856.2	862.9	854.4	855.4	849.5	848.3	852.7	853.3	860.4	891.9
Average weekly hours	40.0	39.6	39.2	39.6	39.8	39.3	39.4	39.2	38.9	39.1	38.8	38.9	39.2
Average overtime hours . . . . .	.8	.8	.9	.9	.9	.8	.8	.7	.7	.8	.7	.8	.7
Indexes (1965=100):													
Average weekly earnings	131.4	122.0	122.9	124.2	122.9	121.9	122.4	121.8	121.4	122.1	120.1	119.0	116.5
Average hourly earnings	129.8	121.7	123.8	123.8	122.0	122.5	122.8	122.8	123.3	123.3	122.2	120.9	117.3

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

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
MANUFACTURING	\$3.10	\$3.09	\$3.06	\$2.92	\$2.90
DURABLE GOODS	3.29	3.28	3.24	3.09	3.07
Ordnance and accessories	-	3.38	3.35	3.18	3.13
Lumber and wood products	-	2.69	2.66	2.49	2.51
Furniture and fixtures	-	2.57	2.54	2.40	2.40
Stone, clay, and glass products	-	3.06	3.03	2.88	2.87
Primary metal industries	-	3.67	3.65	3.45	3.44
Fabricated metal products	-	3.21	3.17	3.04	3.03
Machinery, except electrical	-	3.44	3.40	3.27	3.23
Electrical equipment and supplies	-	3.01	2.99	2.87	2.84
Transportation equipment	-	3.76	3.75	3.55	3.53
Instruments and related products	-	3.08	3.06	2.92	2.91
Miscellaneous manufacturing industries	-	2.57	2.56	2.42	2.42
NONDURABLE GOODS	2.83	2.82	2.79	2.67	2.66
Food and kindred products	-	2.79	2.78	2.67	2.64
Tobacco manufactures	-	2.48	2.47	2.33	2.32
Textile mill products	-	2.29	2.27	2.16	2.15
Apparel and other textile products	-	2.30	2.27	2.22	2.22
Paper and allied products	-	3.10	3.08	2.91	2.91
Printing and publishing	(2)	(2)	(2)	(2)	(2)
Chemicals and allied products	-	3.37	3.36	3.18	3.17
Petroleum and coal products	-	3.06	3.02	3.60	3.61
Rubber and plastics products, n e c	-	2.97	2.93	2.83	2.82
Leather and leather products	-	2.32	2.30	2.20	2.20

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					
	Sept. 1969	Aug. 1969	Sept. 1968	Worker with no dependents			Worker with three dependents		
				Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
TOTAL PRIVATE:									
Current dollars	\$117.80	\$116.51	\$110.49	\$93.30	\$92.35	\$88.37	\$102.44	\$101.45	\$97.30
1957-59 dollars	91.11	90.53	90.42	72.16	71.76	72.32	79.23	78.83	79.62
MINING:									
Current dollars	157.18	156.88	146.45	122.08	121.85	114.76	133.02	132.78	125.06
1957-59 dollars	121.56	121.90	119.84	94.42	94.68	93.91	102.88	103.17	102.34
CONTRACT CONSTRUCTION:									
Current dollars	192.57	187.77	173.76	148.43	144.98	135.15	161.75	157.86	147.08
1957-59 dollars	148.93	145.90	142.19	114.80	112.65	110.60	125.10	122.66	120.36
MANUFACTURING:									
Current dollars	132.84	129.51	125.25	104.34	101.90	99.27	114.01	111.44	108.66
1957-59 dollars	102.74	100.63	102.50	80.70	79.18	81.24	88.17	86.59	88.92
WHOLESALE AND RETAIL TRADE:									
Current dollars	92.20	93.70	88.08	74.32	75.47	71.53	82.79	84.00	79.84
1957-59 dollars	71.31	72.80	72.08	57.48	58.64	58.54	64.03	65.27	65.34
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	107.75	108.04	103.23	85.92	86.13	83.01	94.78	95.00	91.76
1957-59 dollars	83.33	83.95	84.48	66.45	66.92	67.93	73.30	73.82	75.09

¹For coverage of series, see footnote 1, table B-2.
NOTE: 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				
	Oct. 1969	Sept. 1969	Aug. 1969	Oct. 1968	Sept. 1968
	Man-hours				
TOTAL	121.0	122.7	121.9	119.4	120.5
MINING	83.5	84.2	86.1	71.4	82.3
CONTRACT CONSTRUCTION	127.9	133.4	134.9	124.9	126.3
MANUFACTURING	121.6	122.7	121.3	120.8	121.3
DURABLE GOODS	128.0	128.8	126.0	125.7	125.7
Ordnance and accessories	195.9	199.7	202.8	218.9	231.2
Lumber and wood products	92.3	94.4	96.4	96.1	97.7
Furniture and fixtures	134.5	134.8	135.9	134.1	132.7
Stone, clay, and glass products	115.7	117.9	118.8	114.9	115.8
Primary metal industries	114.6	116.8	115.4	104.0	106.9
Fabricated metal products	133.8	134.6	132.4	132.2	130.7
Machinery, except electrical	137.7	138.3	134.2	132.4	132.6
Electrical equipment and supplies	153.3	152.8	149.7	146.3	146.6
Transportation equipment	124.2	124.0	115.1	126.7	124.7
Instruments and related products	129.6	130.8	130.4	128.1	127.6
Miscellaneous manufacturing industries	117.6	115.4	114.1	119.6	116.7
NONDURABLE GOODS	113.3	114.9	115.3	114.5	115.6
Food and kindred products	105.7	110.2	109.1	104.0	108.7
Tobacco manufactures	93.2	95.5	87.7	99.5	104.4
Textile mill products	104.2	104.8	105.3	108.4	108.9
Apparel and other textile products	117.7	118.0	119.8	120.8	120.4
Paper and allied products	122.6	123.5	123.9	120.6	121.1
Printing and publishing	120.2	120.8	120.1	118.9	118.4
Chemicals and allied products	122.1	123.1	125.4	123.0	123.7
Petroleum and coal products	84.5	85.8	86.8	84.4	86.0
Rubber and plastics products, nec.	164.3	165.7	163.9	164.1	162.9
Leather and leather products	86.1	86.3	91.3	96.2	94.5
	Payrolls				
MINING	121.5	122.5	123.9	95.2	111.8
CONTRACT CONSTRUCTION	223.8	231.7	229.0	200.0	200.8
MANUFACTURING	186.4	188.0	183.3	174.7	174.7

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	Oct. 1969	Sept. 1969	Aug. 1969	July 1969	June 1969	May 1969	Apr. 1969	Mar. 1969	Feb. 1969	Jan 1969	Dec 1968	Nov. 1968	Oct. 1968
TOTAL PRIVATE	37.5	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.5	37.8	37.6	37.6	37.8
MINING	42.8	43.0	43.2	42.6	42.0	43.4	43.8	42.8	43.3	43.3	43.3	43.2	41.2
CONTRACT CONSTRUCTION	37.4	38.1	37.9	37.5	37.6	38.1	38.0	37.9	38.0	38.2	37.6	36.2	37.5
MANUFACTURING	40.5	40.8	40.6	40.7	40.7	40.7	40.8	40.9	40.1	40.6	40.8	40.8	40.9
<i>Overtime hours</i>	3.4	3.6	3.7	3.6	3.6	3.6	3.7	3.7	3.5	3.8	3.7	3.8	3.7
DURABLE GOODS	41.2	41.5	41.3	41.2	41.3	41.4	41.4	41.5	40.9	41.3	41.3	41.6	41.6
<i>Overtime hours</i>	3.6	3.8	3.8	3.8	3.9	3.8	3.8	3.9	3.8	3.8	3.9	4.0	3.9
Ordnance and accessories	40.5	40.4	40.4	40.2	40.9	40.6	40.9	40.8	40.3	40.0	41.3	41.4	42.0
Lumber and wood products	39.5	40.0	39.8	39.7	40.2	40.3	40.2	40.9	40.8	40.0	41.1	40.6	40.7
Furniture and fixtures	39.9	40.1	40.3	40.1	40.7	40.9	40.9	40.7	40.2	40.6	40.5	40.5	40.8
Stone, clay, and glass products	41.7	42.0	42.1	41.7	41.9	42.1	42.0	42.3	42.2	41.8	42.0	41.8	42.1
Primary metal industries	42.2	42.2	42.0	41.5	41.7	41.7	41.8	41.9	41.6	41.7	41.6	41.4	41.4
Fabricated metal products	41.4	41.4	41.6	41.6	41.8	41.6	41.8	41.9	41.2	41.8	41.7	42.1	42.1
Machinery, except electrical	42.5	42.7	42.6	42.2	42.5	42.6	42.6	42.7	42.3	42.5	42.2	42.3	42.3
Electrical equipment and supplies	40.3	40.6	40.4	40.3	40.6	40.6	40.9	40.7	39.7	40.4	40.2	40.3	40.4
Transportation equipment	41.6	41.7	41.2	42.3	41.6	41.1	41.5	41.6	41.6	41.4	41.8	42.3	42.5
Instruments and related products	40.8	41.1	40.9	40.9	40.9	40.8	40.8	40.7	39.7	40.7	40.5	40.7	40.6
Miscellaneous manufacturing industries	38.8	39.0	39.0	39.1	39.2	39.1	39.5	39.0	37.6	39.2	39.0	39.2	39.4
NONDURABLE GOODS	39.6	39.7	39.6	39.7	39.8	39.8	39.8	39.9	39.1	39.8	39.9	39.7	39.9
<i>Overtime hours</i>	3.1	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.2	3.6	3.4	3.4	3.3
Food and kindred products	41.3	41.1	40.9	40.6	40.7	40.8	40.9	40.9	40.7	40.6	40.9	40.6	40.8
Tobacco manufactures	37.9	37.4	37.2	38.2	39.5	38.1	36.4	36.5	36.6	37.2	37.1	37.5	37.7
Textile mill products	40.5	40.7	40.9	41.2	41.2	41.0	41.1	40.9	39.9	40.6	41.2	41.1	41.2
Apparel and other textile products	35.6	35.9	35.9	36.0	36.2	36.1	36.0	36.0	35.2	36.2	36.1	36.0	36.3
Paper and allied products	42.6	42.8	42.8	43.0	42.9	43.0	43.4	43.2	42.5	43.5	43.2	43.0	43.1
Printing and publishing	38.2	38.3	38.4	38.5	38.4	38.4	38.3	38.3	37.9	38.4	38.5	38.4	38.6
Chemicals and allied products	41.6	41.6	41.9	41.9	41.8	41.8	41.6	41.7	41.7	41.9	41.9	41.9	41.9
Petroleum and coal products	42.4	42.4	42.8	42.9	42.2	43.0	42.9	43.2	42.6	41.8	42.7	42.6	42.6
Rubber and plastics products, nec	40.6	40.9	40.9	41.2	41.3	41.4	41.4	41.4	40.7	41.5	41.5	41.4	41.6
Leather and leather products	37.3	37.1	36.8	37.0	37.4	37.6	37.7	37.6	35.3	37.6	37.8	37.9	38.6
WHOLESALE AND RETAIL TRADE	35.4	35.6	35.8	35.7	35.7	35.7	35.6	35.7	35.7	35.8	35.7	35.8	35.9
WHOLESALE TRADE	40.1	40.2	40.3	40.0	40.0	40.1	40.2	40.1	40.1	40.1	40.0	40.0	40.1
RETAIL TRADE	33.8	34.1	34.3	34.2	34.2	34.3	34.1	34.3	34.2	34.4	34.3	34.5	34.5
FINANCE, INSURANCE, AND REAL ESTATE ...	37.1	37.0	37.0	37.0	37.2	37.0	37.1	37.1	37.1	37.2	37.0	36.9	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	Oct. 1969	Sept. 1969	Aug. 1969	July 1969	June 1969	May 1969	Apr. 1969	Mar. 1969	Feb. 1969	Jan. 1969	Dec. 1968	Nov. 1968	Oct. 1968
TOTAL	117.6	118.4	119.0	118.0	118.6	118.1	118.1	118.3	116.8	117.4	116.9	115.9	116.0
MINING	82.4	82.6	82.8	81.4	78.9	81.7	82.8	81.1	82.5	82.0	81.7	81.3	70.3
CONTRACT CONSTRUCTION	116.7	119.2	118.1	117.9	119.5	119.3	117.4	117.7	118.0	117.7	115.3	110.0	113.8
MANUFACTURING	119.5	120.0	121.0	119.8	120.4	119.7	120.0	120.3	118.4	119.1	119.0	118.7	118.7
DURABLE GOODS	126.5	127.2	128.5	126.2	126.9	125.8	126.3	126.8	124.9	125.3	124.5	124.4	124.1
Ordnance and accessories	193.7	197.8	205.7	211.5	216.3	219.3	222.1	226.2	221.1	220.6	226.6	227.2	216.3
Lumber and wood products	90.4	91.9	92.0	92.1	94.7	95.3	94.2	96.3	95.9	94.2	96.0	94.2	94.2
Furniture and fixtures	130.6	131.6	132.9	131.6	134.6	135.6	135.9	134.2	132.3	132.9	130.8	130.4	130.2
Stone, clay, and glass products	112.8	113.6	113.5	112.2	114.0	113.3	113.6	115.7	115.9	114.2	113.9	112.0	112.4
Primary metal industries	118.8	118.4	115.7	113.2	113.7	112.2	111.9	112.9	111.5	111.0	110.0	108.1	107.7
Fabricated metal products	131.5	131.8	132.9	132.2	132.8	132.1	132.4	133.0	130.1	131.3	129.9	130.6	129.9
Machinery, except electrical	139.4	139.3	137.3	136.3	138.1	137.3	137.7	137.3	136.7	136.3	134.0	135.1	133.8
Electrical equipment and supplies	150.6	150.9	150.7	150.4	150.6	150.8	150.6	149.3	144.7	146.0	143.8	143.5	143.5
Transportation equipment	120.2	121.7	131.2	121.7	120.0	115.7	118.6	119.9	119.4	119.9	120.0	121.7	122.6
Instruments and related products	128.8	130.2	130.9	130.4	130.9	131.5	130.6	130.2	125.7	128.5	127.5	127.8	127.1
Miscellaneous manufacturing industries	108.1	108.9	109.9	111.8	111.4	110.8	112.3	111.2	106.3	112.4	111.8	110.5	110.4
NONDURABLE GOODS	110.4	110.8	111.2	111.5	112.1	111.8	111.7	111.8	109.8	111.0	111.8	111.3	111.7
Food and kindred products	98.2	97.8	97.5	96.2	96.8	97.4	97.6	97.8	97.9	96.9	97.3	96.0	96.5
Tobacco manufactures	75.1	76.4	79.4	79.2	83.1	80.2	75.5	76.8	77.0	80.5	78.0	80.0	80.5
Textile mill products	102.8	103.6	104.3	106.2	106.2	105.5	106.2	106.3	104.1	106.1	107.5	107.2	107.1
Apparel and other textile products	115.7	116.7	116.9	117.8	119.1	118.8	118.2	117.6	114.3	119.0	117.7	117.5	118.9
Paper and allied products	121.5	121.5	121.7	121.8	121.7	121.6	121.6	122.4	120.4	122.1	121.0	119.8	119.4
Printing and publishing	119.5	119.5	119.3	119.4	118.9	118.1	118.3	118.5	117.0	118.8	118.7	118.2	118.5
Chemicals and allied products	122.6	122.8	124.9	125.1	125.4	124.2	123.6	124.5	124.5	124.5	124.5	124.3	123.7
Petroleum and coal products	83.3	82.6	83.4	84.3	82.9	83.8	83.6	82.8	71.0	50.4	83.9	83.7	83.7
Rubber and plastics products, nec	161.0	162.6	163.3	164.9	165.3	164.2	163.5	163.5	160.4	162.0	161.0	159.8	161.0
Leather and leather products	87.0	87.1	89.1	89.0	91.5	92.3	92.5	92.6	87.2	94.1	94.3	95.2	97.0

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 nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm
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	159.9	162.3	114.6	120.7	139.5	134.5	172.7	166.5	136.2	131.3	123.8	123.8
3d Quarter	160.7	163.1	115.0	121.4	139.8	134.3	175.7	169.0	136.7	131.4	125.8	125.8
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	0.5	0.5	0.8	0.9	-0.3	-0.4	1.3	1.3	-0.4	-0.4	1.7	1.7
3d Quarter	0.5	0.5	0.3	0.6	0.2	-0.1	1.7	1.5	0.3	0.0	1.6	1.6
Percent change from previous year ⁴												
1968: 1st Quarter	4.1	4.1	0.6	0.8	3.5	3.3	7.2	7.0	3.4	3.2	3.5	3.6
2d Quarter	5.4	5.8	2.4	2.3	2.9	3.4	7.0	7.0	2.7	2.7	3.9	3.5
3d Quarter	5.3	5.6	2.1	2.6	3.1	2.9	7.6	7.2	3.1	2.7	4.4	4.1
4th Quarter	5.3	5.6	1.5	1.9	3.7	3.6	8.8	8.3	3.9	3.4	4.9	4.5
1969: 1st Quarter	4.4	4.6	2.2	2.8	2.1	1.8	7.6	7.0	2.6	2.0	5.3	5.1
2d Quarter	3.0	3.0	2.2	2.7	0.8	0.3	7.4	7.0	1.9	1.5	6.5	6.6
3d Quarter	2.5	2.5	2.0	2.6	0.5	-0.1	7.3	6.9	1.7	1.2	6.8	6.9

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 Current quarter divided by comparable quarter a year ago.

* Revised

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.

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		
	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
ALABAMA	\$112.89	\$112.61	\$107.33	41.2	41.1	41.6	\$2.74	\$2.74	\$2.58
Birmingham	134.64	132.43	131.93	41.3	41.0	42.3	3.26	3.23	3.12
Mobile	132.72	134.62	126.30	42.0	42.6	42.1	3.16	3.16	3.00
ALASKA	(*)	187.92	180.92	(*)	43.1	41.4	(*)	4.36	4.37
ARIZONA	125.64	125.96	125.63	40.4	40.5	41.6	3.11	3.11	3.02
Phoenix	126.80	127.58	127.71	40.0	40.5	41.6	3.17	3.15	3.07
Tucson	130.38	127.92	126.48	41.0	41.0	40.8	3.18	3.12	3.10
ARKANSAS	97.17	95.00	92.25	41.0	40.6	41.0	2.37	2.34	2.25
Fort Smith	96.29	91.43	88.04	40.8	40.1	40.2	2.36	2.23	2.19
Little Rock-North Little Rock	101.50	99.94	96.59	40.6	40.3	41.1	2.50	2.48	2.35
Pine Bluff	120.42	118.26	110.42	41.1	40.5	41.2	2.93	2.92	2.68
CALIFORNIA	148.56	146.29	141.69	40.7	40.3	40.6	3.65	3.63	3.49
Anaheim-Santa Ana-Garden Grove	149.92	148.01	141.25	41.3	41.0	41.3	3.63	3.61	3.42
Bakersfield	150.26	148.03	143.66	40.5	39.9	41.4	3.71	3.71	3.47
Fresno	121.91	122.22	117.11	38.7	39.3	39.3	3.15	3.11	2.98
Los Angeles-Long Beach	145.30	142.66	139.19	40.7	40.3	40.7	3.57	3.54	3.42
Modesto-Turlock	132.80	125.44	124.71	41.5	39.2	40.1	3.20	3.20	3.11
Oxnard-Ventura	127.08	126.67	122.61	39.1	38.5	40.6	3.25	3.29	3.02
Sacramento	158.12	155.07	153.87	41.5	40.7	41.7	3.81	3.81	3.69
Salinas-Monterey	135.68	129.93	126.17	40.5	38.9	39.8	3.35	3.34	3.17
San Bernardino-Riverside-Ontario	143.42	143.32	139.26	40.4	40.6	41.2	3.55	3.53	3.38
San Diego	158.39	159.58	149.95	40.2	40.4	40.2	3.94	3.95	3.73
San Francisco-Oakland	163.21	160.80	152.82	40.2	40.0	39.9	4.06	4.02	3.83
San Jose	154.09	150.96	142.56	41.2	40.8	40.5	3.74	3.70	3.52
Santa Barbara	140.35	136.06	133.73	40.1	39.9	39.8	3.50	3.41	3.36
Santa Rosa	126.34	130.15	120.34	38.4	40.8	39.2	3.29	3.19	3.07
Stockton	147.63	143.56	143.38	42.3	40.9	42.8	3.49	3.51	3.35
Vallejo-Napa	142.40	136.64	129.31	38.8	38.6	38.6	3.67	3.54	3.35
COLORADO	(*)	140.69	133.31	(*)	41.5	41.4	(*)	3.39	3.22
Denver	(*)	140.90	134.81	(*)	41.2	41.1	(*)	3.42	3.28
CONNECTICUT	139.26	135.94	130.20	42.2	41.7	42.0	3.30	3.26	3.10
Bridgeport	138.85	141.20	133.54	40.6	41.9	41.6	3.42	3.37	3.21
Hartford	153.04	147.74	141.47	43.6	42.7	43.0	3.51	3.46	3.29
New Britain	138.86	136.70	133.04	41.7	41.3	42.1	3.33	3.31	3.16
New Haven	139.35	133.72	130.21	42.1	41.4	41.6	3.31	3.23	3.13
Stamford	145.67	145.59	135.78	42.1	42.2	42.3	3.46	3.45	3.21
Waterbury	126.27	126.58	121.35	41.4	41.5	41.7	3.05	3.05	2.91
DELAWARE	137.27	127.12	133.31	41.1	39.6	41.4	3.34	3.21	3.22
Wilmington	152.35	142.20	147.62	41.4	39.5	41.7	3.68	3.60	3.54
DISTRICT OF COLUMBIA :									
Washington SMSA	(*)	139.83	134.27	(*)	39.5	40.2	(*)	3.54	3.34
FLORIDA	115.92	116.20	109.25	41.4	41.5	41.7	2.80	2.80	2.62
Fort Lauderdale-Hollywood	112.75	110.25	102.54	39.7	39.8	39.9	2.84	2.77	2.57
Jacksonville	123.26	124.39	111.79	42.8	42.6	41.1	2.88	2.92	2.72
Miami	111.65	110.83	101.52	41.2	41.2	41.1	2.71	2.69	2.47
Orlando	115.83	118.92	112.94	40.5	41.4	42.3	2.86	2.87	2.67
Pensacola	133.90	135.11	125.03	41.2	41.7	41.4	3.25	3.24	3.02
Tampa-St. Petersburg	118.02	119.99	113.48	42.0	42.4	42.5	2.81	2.83	2.67
West Palm Beach	122.72	117.51	115.71	40.5	39.7	43.5	3.03	2.96	2.66
GEORGIA	106.60	106.04	100.36	41.0	41.1	41.3	2.60	2.58	2.43
Atlanta	132.19	130.73	125.33	40.8	40.1	41.5	3.24	3.26	3.02
Savannah	130.09	132.18	128.30	42.1	42.5	43.2	3.09	3.11	2.97
HAWAII	126.48	120.12	117.89	39.9	42.9	40.1	3.17	2.80	2.94
Honolulu	126.43	122.26	117.81	38.9	43.2	39.4	3.25	2.83	2.99
IDAHO	130.65	130.33	122.92	39.0	40.1	40.3	3.35	3.25	3.05
ILLINOIS	(*)	141.18	136.95	(*)	40.9	41.7	(*)	3.45	3.28
Chicago	(*)	143.37	139.49	(*)	40.8	41.8	(*)	3.51	3.34
Davenport-Rock Island-Moline	(*)	151.48	148.66	(*)	40.0	40.4	(*)	3.79	3.68

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		
	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
ILLINOIS (continued)									
Peoria	(*)	\$161.71	\$153.99	(*)	42.1	42.1	(*)	\$3.84	\$3.66
Rockford	(*)	142.48	149.71	(*)	41.5	44.7	(*)	3.43	3.35
INDIANA	\$147.38	144.84	138.36	41.4	40.8	41.3	\$3.56	3.55	3.35
Indianapolis	(*)	147.03	141.70	(*)	41.3	41.8	(*)	3.56	3.39
IOWA	142.10	133.57	132.00	40.6	39.4	40.8	3.50	3.39	3.24
Cedar Rapids	144.01	135.32	131.03	41.5	39.8	41.2	3.47	3.40	3.18
Des Moines	157.17	139.68	137.58	41.8	38.8	39.9	3.76	3.60	3.45
Dubuque	160.74	133.20	141.02	39.3	36.0	38.7	4.09	3.70	3.64
Sioux City	132.82	134.51	130.03	41.9	42.3	42.8	3.17	3.18	3.04
Waterloo	152.82	147.41	150.71	39.9	39.1	40.8	3.83	3.77	3.69
KANSAS	(*)	127.47	129.85	(*)	41.5	42.8	(*)	3.07	3.03
Topeka	(*)	143.14	147.35	(*)	44.1	44.6	(*)	3.36	3.30
Wichita	(*)	137.05	134.59	(*)	42.9	42.5	(*)	3.20	3.17
KENTUCKY	124.31	123.11	117.49	40.1	40.1	40.1	3.10	3.07	2.93
Louisville	137.95	135.86	130.59	39.7	39.4	40.1	3.48	3.45	3.26
LOUISIANA	129.16	127.41	124.20	41.8	41.5	42.1	3.09	3.07	2.95
Baton Rouge	157.56	157.19	149.45	42.7	42.6	41.4	3.69	3.69	3.61
New Orleans	(*)	131.22	128.21	(*)	40.5	41.9	(*)	3.24	3.06
Shreveport	121.64	117.71	113.63	41.8	41.3	42.4	2.91	2.85	2.68
MAINE	104.66	105.01	100.70	40.1	40.7	41.1	2.61	2.58	2.45
Lewiston-Auburn	86.11	85.70	85.34	36.8	37.1	38.1	2.34	2.31	2.24
Portland	110.57	108.27	105.82	40.5	40.1	40.7	2.73	2.70	2.60
MARYLAND	133.66	130.56	124.44	41.0	40.8	40.8	3.26	3.20	3.05
Baltimore	140.08	136.94	128.52	41.2	41.0	40.8	3.40	3.34	3.15
MASSACHUSETTS	124.00	120.90	116.87	40.0	39.9	40.3	3.10	3.03	2.90
Boston	132.93	127.73	125.02	39.8	39.3	40.2	3.34	3.25	3.11
Brockton	103.97	106.47	100.88	37.0	38.3	38.8	2.81	2.78	2.60
Fall River	91.35	93.44	87.97	35.0	36.5	36.2	2.61	2.56	2.43
Lawrence-Haverhill	115.60	114.74	112.34	40.0	40.4	41.0	2.89	2.84	2.74
Lowell	108.98	106.62	103.60	39.2	39.2	40.0	2.78	2.72	2.59
New Bedford	98.47	101.40	98.11	37.3	39.0	39.4	3.14	2.60	2.49
Springfield-Chicopee-Holyoke	128.21	124.53	118.70	40.7	40.3	40.1	2.65	3.09	2.96
Worcester	131.46	128.30	122.21	40.7	40.6	40.2	3.23	3.16	3.04
MICHIGAN	170.72	164.75	168.65	42.5	41.3	44.0	4.02	3.99	3.83
Ann Arbor	162.43	161.29	158.04	40.7	40.8	40.7	3.99	3.95	3.88
Battle Creek	163.49	161.02	154.90	42.3	41.9	42.3	3.87	3.84	3.66
Bay City	156.11	154.01	160.70	43.1	41.3	45.0	3.62	3.73	3.57
Detroit	184.28	173.05	174.15	43.3	41.3	44.2	4.26	4.19	3.94
Flint	190.60	183.64	193.13	42.9	41.5	44.5	4.44	4.43	4.34
Grand Rapids	149.74	146.00	144.48	41.7	41.5	43.0	3.59	3.52	3.37
Jackson	160.72	155.04	143.13	40.7	39.5	39.0	3.95	3.93	3.67
Kalamazoo	161.71	158.25	148.47	44.1	43.8	42.8	3.67	3.61	3.47
Lansing	179.94	176.75	177.41	43.4	40.4	44.1	4.15	4.38	4.02
Muskegon-Muskegon Heights	148.07	146.63	139.55	42.1	42.1	40.9	3.52	3.48	3.41
Saginaw	169.95	187.18	184.28	41.9	43.5	45.1	4.06	4.30	4.09
MINNESOTA	138.65	134.09	130.59	41.5	40.5	41.5	3.34	3.31	3.15
Duluth-Superior	127.65	131.12	119.51	39.2	40.1	38.9	3.26	3.27	3.07
Minneapolis-St. Paul	147.97	142.65	139.26	41.6	40.6	41.9	3.56	3.51	3.32
MISSISSIPPI	96.17	95.06	93.15	41.1	40.8	41.4	2.34	2.33	2.25
Jackson	94.99	94.35	94.02	41.3	41.2	41.6	2.30	2.29	2.26
MISSOURI	131.20	129.42	126.58	40.0	39.7	40.7	3.28	3.26	3.11
Kansas City	131.22	128.08	129.47	40.5	39.9	41.1	3.24	3.21	3.15
St. Joseph	141.05	136.51	136.89	43.4	43.2	44.3	3.25	3.16	3.09
St. Louis	147.46	147.42	141.45	40.4	40.5	41.0	3.65	3.64	3.45
Springfield	104.15	105.45	-	39.2	39.4	-	2.66	2.67	-
MONTANA	139.84	136.76	136.95	40.3	39.3	41.5	3.47	3.48	3.30
NEBRASKA	129.04	128.30	124.71	43.1	43.5	43.7	2.99	2.95	2.85
Omaha	132.32	129.61	128.43	42.3	42.3	43.0	3.13	3.06	2.99

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		
	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
NEVADA.....	\$161.59	\$164.36	\$152.88	40.6	41.4	38.9	\$3.98	\$3.97	\$3.93
NEW HAMPSHIRE.....	105.34	105.46	101.75	39.9	40.1	40.7	2.64	2.63	2.50
Manchester.....	95.50	94.35	90.48	38.2	38.2	38.5	2.50	2.47	2.35
NEW JERSEY.....	135.88	131.54	127.92	41.3	40.6	41.0	3.29	3.24	3.12
Atlantic City.....	107.07	107.46	105.41	40.1	40.4	41.5	2.67	2.66	2.54
Camden ¹	135.20	137.27	131.04	40.6	41.1	41.6	3.33	3.34	3.15
Jersey City ²	139.95	139.35	127.30	41.9	42.1	40.8	3.34	3.31	3.12
Newark ²	135.74	130.35	127.41	40.4	39.5	41.1	3.36	3.30	3.10
Paterson-Clifton-Passaic ²	137.19	129.52	128.86	41.7	40.1	41.3	3.29	3.23	3.12
Perth Amboy ²	139.33	136.08	133.09	41.1	40.5	40.7	3.39	3.36	3.27
Trenton.....	127.44	124.74	129.05	39.7	39.6	41.1	3.21	3.15	3.14
NEW MEXICO.....	112.67	105.84	105.78	42.2	39.2	41.0	2.67	2.70	2.58
Albuquerque.....	125.21	112.50	111.34	44.4	39.2	41.7	2.82	2.87	2.67
NEW YORK.....	(*)	128.38	124.22	(*)	39.5	40.2	(*)	3.25	3.09
Albany-Schenectady-Troy.....	143.24	140.56	131.22	41.4	41.1	40.5	3.46	3.42	3.24
Binghamton.....	136.21	132.19	125.40	42.3	41.7	41.8	3.22	3.17	3.00
Buffalo.....	158.38	154.75	150.80	41.9	41.6	42.6	3.78	3.72	3.54
Elmira.....	124.00	122.09	113.32	40.0	39.9	39.9	3.10	3.06	2.84
Monroe County ³	162.35	158.76	150.59	42.5	42.0	42.3	3.82	3.78	3.56
Nassau and Suffolk Counties ⁴	128.95	126.32	127.93	39.8	39.6	41.4	3.24	3.19	3.09
New York-Northeastern New Jersey.....	(*)	125.26	121.57	(*)	38.9	39.6	(*)	3.22	3.07
New York SMSA ²	(*)	120.84	117.56	(*)	38.0	38.8	(*)	3.18	3.03
New York City ⁴	(*)	119.51	114.98	(*)	37.7	38.2	(*)	3.17	3.01
Rochester.....	156.71	153.35	145.35	42.7	41.9	42.5	3.67	3.66	3.42
Rockland County ⁴	132.19	129.90	130.78	41.7	41.5	42.6	3.17	3.13	3.07
Syracuse.....	141.10	135.27	133.44	41.5	40.5	41.7	3.40	3.34	3.20
Utica-Rome.....	124.71	122.92	118.82	40.1	40.3	41.4	3.11	3.05	2.87
Westchester County ⁴	129.56	124.15	124.00	39.5	38.2	40.0	3.28	3.25	3.10
NORTH CAROLINA.....	95.99	95.65	91.88	40.5	40.7	41.2	2.37	2.35	2.23
Asheville.....	92.52	92.46	89.32	40.4	40.2	40.6	2.29	2.30	2.20
Charlotte.....	100.70	99.63	96.60	41.1	41.0	42.0	2.45	2.43	2.30
Greensboro-Winston-Salem-High Point.....	102.05	102.00	98.74	39.4	40.0	40.3	2.59	2.55	2.45
Raleigh.....	97.51	97.10	89.51	40.8	40.8	40.5	2.39	2.38	2.21
NORTH DAKOTA.....	114.51	110.93	110.00	40.0	40.0	40.0	2.86	2.77	2.75
Fargo-Moorhead.....	121.69	121.98	117.65	38.5	40.6	40.1	3.16	3.01	2.93
OHIO.....	156.18	152.15	145.97	42.4	41.7	42.4	3.68	3.65	3.44
Akron.....	171.81	169.23	164.52	43.1	42.5	43.4	3.99	3.98	3.79
Canton.....	156.89	151.52	137.71	42.0	41.6	40.3	3.74	3.64	3.42
Cincinnati.....	144.10	139.62	134.38	42.3	41.6	42.0	3.41	3.36	3.20
Cleveland.....	160.91	157.33	149.77	42.6	42.1	42.4	3.78	3.74	3.53
Columbus.....	144.23	139.63	136.03	41.3	40.5	41.1	3.49	3.45	3.31
Dayton.....	175.55	172.39	167.96	42.9	42.6	43.6	4.09	4.05	3.85
Toledo.....	175.77	171.13	162.26	45.0	43.9	45.0	3.91	3.90	3.61
Youngstown-Warren.....	163.33	161.99	149.30	41.5	41.4	40.4	3.94	3.91	3.70
OKLAHOMA.....	124.80	122.07	118.01	41.6	41.1	41.7	3.00	2.97	2.83
Oklahoma City.....	122.30	119.07	112.48	41.6	41.2	41.2	2.94	2.89	2.73
Tulsa.....	139.11	134.64	129.13	41.9	41.3	42.2	3.32	3.26	3.06
OREGON.....	143.35	142.23	134.74	39.6	39.4	40.1	3.62	3.61	3.36
Eugene.....	152.11	147.94	143.31	41.0	40.2	42.4	3.71	3.68	3.38
Portland.....	143.13	144.11	134.01	39.0	39.7	39.3	3.67	3.63	3.41
PENNSYLVANIA.....	130.65	128.32	122.11	40.2	40.1	40.3	3.25	3.20	3.03
Allentown-Bethlehem-Easton.....	127.19	125.53	116.61	39.5	39.6	39.0	3.22	3.17	2.99
Altoona.....	106.15	106.35	102.54	38.6	39.1	39.9	2.75	2.72	2.57
Erie.....	140.71	135.85	131.75	42.9	41.8	42.5	3.28	3.25	3.10
Harrisburg.....	121.25	120.30	111.23	41.1	41.2	40.3	2.95	2.92	2.76
Johnstown.....	130.00	130.26	111.96	37.9	38.2	36.0	3.43	3.41	3.11
Lancaster.....	119.66	118.32	109.21	40.7	40.8	40.3	3.24	2.90	2.71
Philadelphia.....	138.85	138.38	130.24	40.6	40.7	40.7	3.42	3.40	3.20
Pittsburgh.....	149.81	147.50	137.94	40.6	40.3	40.1	3.69	3.66	3.44
Reading.....	116.91	114.91	113.85	39.9	39.9	41.1	2.93	2.88	2.77
Scranton.....	101.23	99.32	96.52	38.2	38.2	38.3	2.65	2.60	2.52
Wilkes-Barre-Hazleton.....	93.76	92.82	87.93	36.2	36.4	37.1	2.59	2.55	2.37
York.....	122.83	121.70	114.63	42.5	42.7	42.3	2.89	2.85	2.71

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		
	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968	Sept. 1969	Aug. 1969	Sept. 1968
RHODE ISLAND	\$109.34	\$108.67	\$102.51	40.2	40.1	40.2	\$2.72	\$2.71	\$2.55
Providence-Pawtucket-Warwick	109.74	109.34	103.20	40.2	40.2	40.0	2.73	2.72	2.58
SOUTH CAROLINA	100.53	100.12	95.68	41.2	41.2	41.6	2.44	2.43	2.30
Charleston	120.12	115.23	117.73	42.0	41.6	41.6	2.86	2.77	2.83
Greenville	100.50	98.77	94.62	41.7	41.5	41.5	2.41	2.38	2.28
SOUTH DAKOTA	126.28	122.32	127.50	44.0	44.0	45.7	2.87	2.78	2.79
Sioux Falls	145.84	138.46	146.42	46.3	46.0	49.3	3.15	3.01	2.97
TENNESSEE	106.37	105.04	100.94	40.6	40.4	40.7	2.62	2.60	2.48
Chattanooga	122.11	118.01	108.92	42.4	41.7	41.1	2.88	2.83	2.65
Knoxville	119.43	115.92	111.84	40.9	39.7	39.8	2.92	2.92	2.81
Memphis	119.19	116.12	116.75	41.1	40.6	42.3	2.90	2.86	2.76
Nashville	114.90	114.49	111.37	40.6	40.6	41.4	2.83	2.82	2.69
TEXAS	128.13	125.66	122.06	41.6	41.2	41.8	3.08	3.05	2.92
Amarillo	112.61	113.30	103.39	41.1	41.5	40.7	2.74	2.73	2.54
Austin	105.01	102.06	96.56	40.7	40.5	40.4	2.58	2.52	2.39
Beaumont-Port Arthur-Orange	162.72	158.76	154.98	41.3	40.5	42.0	3.94	3.92	3.69
Corpus Christi	(*)	143.64	136.27	(*)	42.0	41.8	(*)	3.42	3.26
Dallas	123.31	119.84	116.20	41.8	40.9	41.8	2.95	2.93	2.78
El Paso	84.44	83.84	85.01	40.4	40.5	40.1	2.09	2.07	2.12
Fort Worth	144.48	137.94	128.34	43.0	41.8	41.4	3.36	3.30	3.10
Galveston-Texas City	185.76	184.88	184.58	43.3	43.5	44.8	4.29	4.25	4.12
Houston	150.50	150.51	143.77	43.0	43.5	43.7	3.50	3.46	3.29
Lubbock	105.08	103.32	101.92	42.2	42.0	44.7	2.49	2.46	2.28
San Antonio	102.75	101.99	97.90	41.6	41.8	42.2	2.47	2.44	2.32
Waco	109.87	105.60	105.83	39.1	39.7	41.5	2.81	2.66	2.55
Wichita Falls	107.16	105.60	97.53	44.1	44.0	41.5	2.43	2.40	2.35
UTAH	129.82	129.75	123.62	39.7	39.8	40.4	3.27	3.26	3.06
Salt Lake City	123.52	121.68	125.10	38.6	39.0	41.7	3.20	3.12	3.00
VERMONT	118.44	116.06	110.30	42.0	41.6	42.1	2.82	2.79	2.62
Burlington	130.50	127.87	119.41	43.5	43.2	42.8	3.00	2.96	2.79
Springfield	134.08	130.60	116.40	41.9	41.2	40.0	3.20	3.17	2.91
VIRGINIA	109.93	107.94	103.83	41.8	41.2	41.7	2.63	2.62	2.49
Lynchburg	108.29	107.18	100.58	42.3	42.7	42.8	2.56	2.51	2.35
Norfolk-Portsmouth	113.30	108.81	112.10	41.5	40.6	42.3	2.73	2.68	2.65
Richmond	122.38	116.40	114.26	42.2	40.7	41.4	2.90	2.86	2.76
Roanoke	105.90	104.55	99.26	42.7	42.5	42.6	2.48	2.46	2.33
WASHINGTON	155.22	154.41	142.40	39.8	39.9	40.0	3.90	3.87	3.56
Seattle-Everett	161.18	159.96	144.08	40.6	40.6	39.8	3.97	3.94	3.62
Spokane	147.38	146.89	146.93	39.3	39.7	40.7	3.75	3.70	3.61
Tacoma	151.32	148.59	141.84	39.0	39.0	39.4	3.88	3.81	3.60
WEST VIRGINIA	130.65	128.23	123.32	40.2	39.7	40.3	3.25	3.23	3.06
Charleston	158.95	160.60	146.65	42.5	42.6	41.9	3.74	3.77	3.50
Huntington-Ashland	143.60	141.65	137.16	40.0	39.9	39.3	3.59	3.55	3.49
Wheeling	134.06	124.94	126.79	40.5	38.8	40.9	3.31	3.22	3.10
WISCONSIN	143.78	138.47	133.64	42.0	41.0	41.8	3.43	3.37	3.20
Green Bay	142.70	139.77	136.38	42.9	42.5	43.5	3.32	3.29	3.13
Kenosha	164.53	145.17	146.46	42.3	38.6	40.8	3.89	3.76	3.59
La Crosse	114.24	111.54	109.23	39.9	39.9	40.3	2.86	2.79	2.71
Madison	154.62	149.76	148.43	41.8	40.9	42.6	3.70	3.66	3.48
Milwaukee	155.63	150.95	143.84	41.4	40.8	41.1	3.76	3.70	3.50
Racine	159.06	152.45	136.21	42.9	42.1	40.9	3.71	3.62	3.33
WYOMING	131.65	129.12	120.38	41.4	40.1	39.6	3.18	3.22	3.04
Casper	153.56	151.70	145.85	40.2	41.0	41.2	3.82	3.70	3.54

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	5.1	5.6	5.9				
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 ¹	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	3.9	4.3	4.7				
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	6.2	6.6				
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	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	2.6	4.0	4.4				
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	1.6	1.1	1.1				

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	
		Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969
	MANUFACTURING	5.9	5.6	4.7	4.3	6.6	6.2	4.4	4.0	1.1	1.1
19,24,25,32-39	DURABLE GOODS	5.3	5.1	4.3	3.8	6.0	5.9	4.1	3.6	.8	1.1
20-23,26-31	NONDURABLE GOODS	6.7	6.4	5.3	5.0	7.4	6.7	5.0	4.5	1.5	1.2
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	2.3	2.3	1.7	1.7	4.5	4.8	2.6	2.8	1.2	1.2
192	Ammunition, except for small arms	1.7	2.2	1.3	1.5	4.5	4.8	2.5	2.9	1.4	1.2
24	LUMBER AND WOOD PRODUCTS	6.7	6.0	6.0	5.4	8.6	8.2	6.6	5.9	.7	1.1
242	Sawmills and planing mills	6.3	5.8	5.8	5.2	7.6	7.4	6.2	5.4	.5	.9
2421	Sawmills and planing mills, general	6.0	5.3	5.5	4.7	7.3	6.8	5.8	4.9	.6	.9
243	Millwork, plywood & related products	5.3	4.6	4.7	4.1	8.1	8.3	6.2	5.7	.9	1.7
2431	Millwork	4.1	3.7	3.6	3.3	8.4	8.0	6.5	5.5	1.2	1.5
2432	Veneer and plywood	5.8	4.7	5.1	3.9	7.1	7.6	5.6	4.8	.6	2.0
244	Wooden containers	10.7	8.6	9.5	7.6	13.6	12.9	9.2	8.5	1.7	3.0
2441,2	Wooden boxes, shooks, and crates	9.0	7.5	8.0	6.8	12.2	11.7	8.4	7.5	2.2	3.1
249	Miscellaneous wood products	7.6	7.3	7.0	6.4	8.7	8.4	6.9	6.6	.4	.3
25	FURNITURE AND FIXTURES	7.3	7.9	6.7	6.8	8.4	8.7	6.5	6.7	.6	.5
251	Household furniture	7.5	8.0	6.8	7.1	8.4	8.9	6.7	7.0	.4	.4
2511	Wood household furniture	7.9	8.0	7.3	6.8	8.7	8.9	7.1	7.2	.4	.2
2512	Upholstered household furniture	5.7	6.5	5.3	5.9	6.7	7.2	5.4	5.6	.5	.5
2515	Mattresses and bedsprings	7.3	8.4	6.6	7.9	10.2	9.4	7.6	7.7	.2	.3
252	Office furniture	6.6	7.1	6.0	5.6	8.3	6.7	6.7	5.4	.3	.1
32	STONE, CLAY, AND GLASS PRODUCTS	5.3	5.1	4.7	4.4	6.8	6.6	5.0	4.5	.7	.8
321	Flat glass	2.6	2.6	.8	.5	3.8	3.3	1.4	.9	2.2	1.7
322	Glass and glassware, pressed or blown	5.3	5.0	4.5	4.1	6.7	6.1	4.8	3.8	.6	1.0
3221	Glass containers	6.0	5.8	5.5	5.1	7.9	6.5	5.6	4.8	.9	.6
3229	Pressed and blown glass, n e c	4.3	4.0	3.1	2.7	5.1	5.6	3.7	2.5	.2	1.4
324	Cement, hydraulic	2.1	2.0	2.1	1.6	4.4	3.4	3.2	1.9	.4	.7
325	Structural clay products	5.9	5.7	5.2	5.3	9.0	8.1	6.8	6.4	1.1	.7
3251	Brick and structural clay tile	6.3	6.6	5.5	6.0	10.1	9.4	8.4	7.8	.6	.7
326	Pottery and related products	6.2	6.3	5.4	5.2	7.1	6.9	5.7	5.3	.3	.4
3291	Abrasive products	2.2	2.1	2.0	1.8	5.1	4.5	3.7	2.9	.7	.4
33	PRIMARY METAL INDUSTRIES	4.4	4.2	3.5	3.2	5.6	5.2	4.0	3.2	.6	.8
331	Blast furnace and basic steel products	3.1	2.9	2.2	2.2	5.2	4.2	3.6	2.6	.5	.4
3312	Blast furnaces and steel mills	2.9	2.8	2.1	2.1	5.1	4.0	3.6	2.5	.5	.4
332	Iron and steel foundries	6.8	6.7	6.4	5.6	7.0	7.2	5.3	4.9	.3	.7
3321	Gray iron foundries	7.2	6.7	6.7	5.4	7.1	7.4	5.6	5.0	.2	.8
3322	Malleable iron foundries	8.0	8.2	7.2	6.4	7.0	6.7	5.5	4.5	(1)	.6
3323	Steel foundries	5.6	6.1	5.3	5.5	6.7	6.9	4.5	4.7	.6	.5
333,4	Nonferrous metals	3.3	3.0	3.0	2.6	5.1	4.6	4.0	3.1	.3	.1
335	Nonferrous rolling and drawing	5.0	5.5	3.2	2.8	5.3	5.5	3.0	2.3	1.4	2.0
3351	Copper rolling and drawing	3.6	3.3	3.4	2.9	4.4	4.1	3.2	2.8	.1	.2
3352	Aluminum rolling and drawing	2.5	2.7	2.2	2.1	4.1	4.3	2.9	2.3	.4	.7
3357	Nonferrous wire drawing, and insulating	(2)	10.4	(2)	3.6	(2)	8.1	(2)	2.2	(2)	4.9
336	Nonferrous foundries	8.2	5.9	7.5	5.3	7.8	7.2	5.9	5.1	.3	.5
3361	Aluminum castings	8.1	5.6	7.2	4.9	8.0	7.0	6.1	5.2	.4	.4
3362,9	Other nonferrous castings	8.3	6.2	7.9	5.7	7.6	7.5	5.7	5.0	.2	.6
339	Miscellaneous primary metal products	3.4	4.1	2.8	3.0	4.6	5.2	3.6	3.2	.2	.9
3391	Iron and steel forgings	2.9	4.4	2.6	2.9	4.3	5.3	3.4	3.1	(1)	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	
		Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969
<i>Durable Goods--Continued</i>											
34	FABRICATED METAL PRODUCTS	6.5	6.2	5.9	5.0	7.3	7.0	5.2	4.7	0.7	0.9
341	Metal cans	5.0	5.0	3.7	3.5	9.3	6.8	4.6	3.6	3.2	1.7
342	Cutlery, hand tools, and hardware	(2)	6.3	(2)	3.7	(2)	5.9	(2)	3.7	(2)	1.1
3421,3,5	Cutlery and hand tools, incl. saws	5.6	4.9	5.2	4.4	5.5	5.6	4.4	4.2	.2	.3
3429	Hardware, n e c	(2)	7.2	(2)	3.2	(2)	6.1	(2)	3.4	(2)	1.6
343	Plumbing and heating, except electric	5.9	5.1	5.6	4.7	7.2	6.6	5.2	5.1	.6	.3
3431,2	Sanitary ware & plumbers' brass goods	6.2	4.6	5.7	4.4	8.6	6.8	6.1	5.4	1.1	.4
3433	Heating equipment, except electric	5.7	5.4	5.5	4.9	6.1	6.5	4.5	4.9	.2	.1
344	Fabricated structural metal products	6.5	6.2	6.0	5.5	7.6	7.3	5.4	4.9	.7	.9
3441	Fabricated structural steel	7.0	6.5	6.4	6.0	7.6	7.1	5.4	4.5	.8	1.2
3443	Fabricated plate work (boiler shops)	4.5	4.1	4.3	3.6	5.5	5.0	3.9	3.2	.7	.4
3446,9	Architectural and misc. metal work	8.6	9.0	7.5	7.0	10.9	8.5	7.7	6.1	1.6	.9
345	Screw machine products, bolts, etc.	5.1	4.9	4.5	4.5	5.8	6.5	4.3	4.6	.4	.5
3452	Bolts, nuts, rivets, and washers	4.8	4.2	4.0	3.7	5.2	5.1	3.8	3.4	.3	.2
346	Metal stampings	7.1	7.7	6.5	5.1	7.2	6.7	5.4	4.1	.4	1.1
348	Misc. fabricated wire products	(2)	5.9	(2)	5.5	(2)	8.1	(2)	6.1	(2)	.6
349	Misc. fabricated metal products	5.2	4.4	4.8	4.1	6.2	6.4	4.6	4.7	.5	.6
3494,8	Valves, pipe, and pipe fittings	4.7	4.1	4.3	3.7	5.8	6.0	4.1	4.0	.7	.9
35	MACHINERY, EXCEPT ELECTRICAL	4.1	3.8	3.4	2.9	4.6	4.8	3.0	2.8	.4	.9
351	Engines and turbines	4.0	4.5	2.7	2.5	4.5	5.7	2.1	2.3	1.3	2.1
3511	Steam engines and turbines	2.7	2.1	1.8	1.4	2.7	2.0	1.4	1.2	.3	.1
3519	Internal combustion engines, n e c	4.7	5.8	3.2	3.0	5.5	7.6	2.5	2.9	1.9	3.2
352	Farm machinery	5.8	4.0	3.5	2.1	5.5	5.8	3.0	2.3	1.4	2.5
353	Construction and related machinery	3.6	3.3	3.3	3.0	4.5	4.3	3.2	2.8	.3	.4
3531,2	Construction and mining machinery	3.0	2.5	2.7	2.2	3.9	3.7	2.7	2.3	.3	.3
3533	Oil field machinery	4.6	4.5	4.4	4.3	5.0	5.0	3.4	3.7	.1	.1
3535,6	Conveyors, hoists, cranes, monorails	2.8	3.6	2.7	3.0	4.9	4.2	3.8	3.1	.2	.2
354	Metal working machinery	3.8	3.7	3.4	3.0	4.1	4.0	2.8	2.6	.3	.4
3541	Machine tools, metal cutting types	3.0	2.5	2.6	2.1	3.2	3.0	2.4	2.2	.2	.1
3545	Machine tool accessories	2.7	3.1	2.3	2.5	4.3	3.8	3.2	2.8	.4	.3
3542,8	Misc. metal working machinery	4.1	3.5	3.8	3.0	3.1	3.3	2.1	2.2	.3	.3
355	Special industry machinery	3.4	3.0	3.1	2.6	4.4	4.0	3.1	2.7	.5	.4
3551	Food products machinery	2.9	3.1	2.7	2.7	4.3	3.7	3.1	2.4	.4	.4
3552	Textile machinery	3.7	3.4	3.2	2.9	4.8	5.3	3.7	3.3	.4	1.0
356	General industrial machinery	3.4	3.5	3.0	2.9	4.3	4.7	3.1	2.9	.2	.7
3561	Pumps and compressors	3.6	3.3	3.2	2.9	5.0	4.1	3.3	2.9	.3	.1
3562	Ball and roller bearings	2.7	4.2	2.3	2.1	2.7	4.9	2.2	2.1	.1	1.8
3566	Power transmission equipment	3.1	3.0	2.8	2.6	5.3	4.4	4.1	3.2	.2	.1
357	Office and computing machines	4.1	3.5	3.2	2.7	3.9	3.5	2.5	2.3	.2	.3
3573	Electronic computing equipment	3.9	2.9	2.9	2.2	4.0	2.7	2.5	1.6	.2	.2
358	Service industry machines	5.0	4.3	4.3	3.5	6.5	6.9	4.5	4.0	.3	1.0
3585	Refrigeration machinery	4.6	4.3	3.9	3.1	6.9	7.0	4.6	3.7	.3	.9
36	ELECTRICAL EQUIPMENT AND SUPPLIES	5.4	4.7	4.5	3.5	5.7	4.8	4.0	3.2	.6	.5
361	Electric test & distributing equipment	4.4	4.2	4.0	3.2	5.2	4.1	3.9	3.0	.3	.2
3611	Electric measuring instruments	5.7	4.7	5.1	4.0	5.8	4.2	4.2	2.8	.7	.2
3612	Transformers	4.8	4.2	4.3	3.6	5.7	4.3	4.4	3.3	.1	(1)
3613	Switchgear and switchboard apparatus	3.0	3.7	2.8	2.3	4.2	3.8	3.3	2.8	(1)	.3
362	Electrical industrial apparatus	4.2	3.4	3.6	2.7	4.6	4.3	3.4	3.0	.3	.4
3621	Motors and generators	3.9	3.4	3.3	2.5	4.9	4.0	3.5	2.6	.5	.5
3622	Industrial controls	4.3	3.2	3.8	2.8	4.1	4.7	3.3	3.2	.1	.3
363	Household appliances	6.7	4.6	6.1	3.3	7.3	4.9	5.8	3.1	.3	.5
3632	Household refrigerators and freezers	(2)	1.9	(2)	.8	(2)	3.9	(2)	1.9	(2)	1.1
3633	Household laundry equipment	4.5	3.8	4.1	3.0	6.6	4.1	5.1	2.6	.8	.4
3634	Electric housewares and fans	9.8	9.7	8.8	7.5	7.5	6.3	5.7	4.8	.2	.2
364	Electric lighting and wiring equipment	6.3	7.2	5.5	5.1	6.6	6.5	4.9	4.5	.4	.6
3641	Electric lamps	4.2	6.2	3.5	3.3	3.6	3.6	2.7	2.7	.2	(1)
3642	Lighting fixtures	6.6	10.5	5.9	6.8	7.5	7.5	5.2	5.1	.8	1.0
3643,4	Wiring devices	6.7	5.5	5.9	4.8	7.2	6.9	5.5	4.8	.3	.6
365	Radio and TV receiving equipment	7.8	7.2	6.0	5.1	7.7	7.1	4.6	4.0	1.4	.7
366	Communication equipment	3.6	2.8	2.8	2.2	4.2	3.2	2.9	1.9	.5	.5
3661	Telephone and telegraph apparatus	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
3662	Radio and TV communication equipment	2.9	2.4	2.0	1.7	4.3	3.4	2.7	1.9	.7	.7
367	Electronic components and accessories	6.5	5.9	5.4	4.2	6.5	6.0	4.4	4.2	.7	.5
3671-3	Electron tubes	4.0	4.8	2.7	2.4	5.4	4.7	3.8	3.1	.5	.4
3674,9	Other electronic components	7.0	6.1	6.0	4.6	6.7	6.3	4.5	4.4	.7	.5
369	Misc. electrical equipment & supplies	6.1	5.0	5.3	4.2	5.8	4.7	3.4	3.0	1.1	.4
3694	Engine electrical equipment	5.2	4.9	4.3	4.0	5.7	4.2	2.8	2.6	1.9	.4

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	
		Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT	5.3	5.8	3.0	3.0	5.2	6.2	2.7	2.5	1.5	2.7
371	Motor vehicles and equipment	(2)	9.0	(2)	3.9	(2)	7.3	(2)	2.4	(2)	3.6
3711	Motor vehicles	(2)	10.8	(2)	4.0	(2)	9.4	(2)	2.1	(2)	6.0
3712	Passenger car bodies	(2)	21.8	(2)	3.5	(2)	7.2	(2)	1.2	(2)	4.6
3713	Truck and bus bodies	(2)	3.9	(2)	3.5	(2)	7.3	(2)	4.4	(2)	1.7
3714	Motor vehicle parts and accessories	(2)	5.8	(2)	3.6	(2)	4.9	(2)	2.2	(2)	1.5
372	Aircraft and parts	2.8	2.0	1.9	1.4	3.3	3.6	1.7	1.8	1.1	1.3
3721	Aircraft	2.4	1.7	1.5	1.3	3.0	3.4	1.5	1.7	1.0	1.3
3722	Aircraft engines and engine parts	2.9	2.2	1.7	1.1	3.6	3.5	1.4	1.6	1.5	1.3
3723,9	Other aircraft parts and equipment	4.2	2.7	3.5	2.1	4.2	4.3	2.6	2.1	.7	1.4
373	Ship and boat building and repairing	9.3	6.9	5.9	4.7	9.6	8.9	5.5	4.5	3.0	3.0
3731	Ship building and repairing	9.5	7.1	5.2	4.4	9.5	8.7	4.9	3.9	3.5	3.4
374	Railroad equipment	5.3	4.8	2.3	3.2	7.2	8.7	1.8	1.9	4.4	5.4
375,9	Other transportation equipment	8.2	6.8	7.6	6.3	12.8	11.8	8.1	6.7	2.3	3.3
38	INSTRUMENTS AND RELATED PRODUCTS	3.7	3.3	3.2	2.7	4.6	4.4	3.0	2.8	.5	.6
381	Engineering & scientific instruments	2.9	2.6	2.4	1.9	4.4	4.5	2.2	2.3	.5	1.3
382	Mechanical measuring & control devices	3.7	2.7	3.0	2.3	5.3	4.1	3.3	2.9	.9	.4
3821	Mechanical measuring devices	3.9	3.0	3.3	2.7	4.4	4.2	2.6	3.1	.7	.4
3822	Automatic temperature controls	3.4	2.1	2.5	1.6	6.6	3.8	4.2	2.6	1.2	.6
383,5	Optical and ophthalmic goods	4.5	3.9	3.8	3.4	4.6	4.5	3.4	3.1	.2	.3
384	Medical instruments and supplies	4.4	4.6	3.7	4.0	6.3	5.7	4.6	4.1	.7	.6
386	Photographic equipment and supplies	(2)	2.2	(2)	2.0	(2)	3.0	(2)	1.5	(2)	.4
387	Watches, clocks, and watchcases	4.3	5.9	3.3	4.2	7.5	6.3	5.3	4.1	.1	.8
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	8.5	7.2	7.3	6.1	8.1	7.6	6.2	5.5	.7	.9
391	Jewelry, silverware, and plated ware	5.5	5.0	4.6	4.2	5.1	5.0	4.1	3.8	.4	.6
394	Toys and sporting goods	12.7	10.7	11.0	9.1	12.0	10.7	9.4	8.1	1.0	.9
3941-3	Games, toys, dolls, & play vehicles	15.3	12.8	13.2	11.2	14.0	11.6	11.1	9.2	1.3	.8
3949	Sporting and athletic goods, n e c	8.7	7.5	7.6	5.9	8.9	9.2	6.7	6.4	.5	1.1
395	Pens, pencils, office and art supplies	5.4	4.7	5.1	3.8	6.1	5.7	4.3	4.0	1.0	.6
396	Costume jewelry and notions	8.3	7.6	6.9	6.6	9.5	7.2	7.4	5.5	1.1	.8
393,8,9	Other manufacturing industries	6.9	5.5	5.8	4.6	5.8	6.4	4.3	4.3	.4	1.0
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	11.1	10.1	8.3	8.0	11.3	8.8	7.1	5.6	3.2	2.2
201	Meat products	8.4	7.8	6.0	5.5	8.9	9.0	6.2	5.8	1.9	2.1
2011	Meat packing plants	6.9	6.1	3.4	2.8	7.9	7.2	4.0	3.0	3.3	3.3
2015	Poultry dressing plants	13.4	13.1	12.1	11.7	13.4	14.7	11.8	12.7	.2	.6
204	Grain mill products	6.1	4.9	5.2	3.9	7.4	5.3	4.9	3.6	1.5	.7
2041	Flour and other grain mill products	4.6	5.7	4.4	3.6	6.9	4.8	4.8	3.2	.6	.6
2042	Prepared feeds for animals and fowls	5.5	4.6	5.1	4.2	6.7	4.8	4.4	3.4	1.5	.3
205	Bakery products	5.0	5.4	4.6	5.0	5.6	5.8	4.3	4.3	.4	.6
2051	Bread, cake, and related products	4.7	5.2	4.5	4.9	5.3	5.8	4.2	4.5	.4	.6
2052	Cookies and crackers	6.2	6.3	5.6	5.2	7.1	5.7	4.8	3.6	.6	.8
207	Confectionery and related products	12.1	11.8	8.8	8.7	9.9	9.3	7.8	7.3	1.4	.6
2071	Confectionery products	14.0	13.4	10.0	9.7	11.2	10.3	8.8	8.2	1.6	.6
208	Beverages	7.0	6.0	5.3	5.0	9.1	7.9	5.5	5.2	2.2	1.9
2082	Malt liquors	3.8	3.8	1.9	2.2	6.3	5.0	1.9	1.9	4.0	2.7
21	TOBACCO MANUFACTURES	9.6	14.7	6.3	11.3	5.5	7.8	4.0	3.8	.6	3.0
211	Cigarettes	2.9	2.5	2.5	1.7	2.6	2.3	1.9	1.6	(1)	(1)
212	Cigars	6.3	10.8	5.6	5.6	7.2	7.3	6.1	5.8	.1	.4

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	
		Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969
<i>Nondurable Goods--Continued</i>											
22	TEXTILE MILL PRODUCTS.....	6.6	5.9	5.4	4.8	7.1	7.0	5.3	5.2	0.7	0.6
221	Weaving mills, cotton.....	6.2	5.5	4.9	4.4	6.2	6.3	4.9	4.8	.1	.1
222	Weaving mills, synthetics.....	6.0	5.3	5.0	4.5	6.4	6.2	4.7	4.8	.3	.3
223	Weaving and finishing mills, wool.....	5.2	4.7	4.0	3.7	7.8	6.8	4.4	4.2	2.4	1.4
224	Narrow fabric mills.....	5.2	5.5	4.2	4.6	7.2	6.7	5.0	4.8	.8	.8
225	Knitting mills.....	6.2	5.6	4.9	4.4	7.2	7.2	5.3	5.3	1.1	1.1
2251	Women's hosiery, except socks.....	5.9	5.4	5.1	4.7	6.4	5.8	5.5	5.1	.5	.2
2252	Hosiery, n e c.....	5.4	5.3	4.7	4.7	7.4	6.8	5.6	5.4	1.2	.6
2254	Knit underwear mills.....	4.0	4.5	2.8	3.1	4.9	5.5	4.5	4.8	(1)	.3
226	Textile finishing, except wool.....	5.7	5.9	5.0	4.4	6.1	6.4	4.8	4.3	.4	.7
227	Floor covering mills.....	9.0	7.5	8.0	6.8	7.4	7.5	5.6	5.7	.2	.3
228	Yarn and thread mills.....	8.3	7.4	7.0	6.1	8.7	8.7	6.9	6.9	.6	.5
229	Miscellaneous textile goods.....	7.8	6.5	6.0	4.9	8.1	7.5	5.6	5.0	1.0	1.0
23	APPAREL AND OTHER TEXTILE PRODUCTS.....	6.0	7.0	4.4	4.6	6.9	6.8	4.2	4.4	1.9	1.4
231	Men's and boys' suits and coats.....	3.6	4.0	2.3	2.5	3.2	4.0	2.2	2.5	.4	.8
232	Men's and boys' furnishings.....	6.8	7.0	5.3	5.6	7.1	7.4	5.4	5.8	.8	.7
2321	Men's and boys' shirts and nightwear.....	6.8	7.4	5.3	5.9	7.1	7.4	5.3	5.8	1.0	.7
2327	Men's and boys' separate trousers.....	6.4	5.8	5.1	4.9	6.3	6.9	5.3	5.6	.2	.4
2328	Men's and boys' work clothing.....	6.9	6.9	5.7	5.5	7.7	7.1	6.2	5.9	.7	.4
234	Women's and children's undergarments.....	6.3	6.5	5.0	5.1	6.3	7.0	5.0	5.3	.4	.8
2341	Women's and children's underwear.....	6.7	7.0	5.4	5.5	6.5	7.0	5.3	5.6	.3	.5
2342	Corsets and allied garments.....	5.6	5.6	4.0	4.4	5.8	7.1	4.4	4.8	.7	1.4
26	PAPER AND ALLIED PRODUCTS.....	4.8	4.4	4.3	3.9	6.6	5.9	4.9	4.2	.6	.5
261,2,6	Paper and pulp mills.....	2.3	2.2	1.9	1.9	5.5	3.7	4.3	2.8	.5	.2
263	Paperboard mills.....	3.3	3.2	3.0	2.6	4.9	4.3	3.3	2.7	.5	.4
264	Misc. converted paper products.....	5.2	5.5	4.4	4.9	6.4	7.4	4.6	4.9	.8	1.1
2643	Bags, except textile bags.....	6.7	6.8	5.4	6.0	7.8	7.6	5.1	5.2	1.2	.8
265	Paperboard containers and boxes.....	7.5	6.0	7.1	5.5	8.2	7.5	6.2	5.6	.5	.4
2651,2	Folding and setup paperboard boxes.....	8.3	6.7	7.6	6.1	8.1	7.6	6.4	6.0	.4	.2
2653	Corrugated and solid fiber boxes.....	7.8	6.0	7.5	5.7	8.5	7.3	6.6	5.7	.3	.3
	PRINTING AND PUBLISHING.....	5.1	4.0	4.5	3.6	5.0	5.0	3.7	3.7	.6	.5
28	CHEMICALS AND ALLIED PRODUCTS.....	2.9	2.6	2.6	2.2	4.6	3.8	3.2	2.5	.6	.5
281	Industrial chemicals.....	2.0	1.7	1.8	1.4	3.3	2.6	2.3	1.8	.3	.2
282	Plastics materials and synthetics.....	2.4	1.9	2.0	1.6	4.2	2.8	2.9	2.0	.6	.3
2821	Plastics materials and resins.....	2.7	1.8	2.4	1.6	4.8	3.4	3.6	2.7	.3	.2
2823,4	Synthetic fibers.....	2.2	1.9	1.6	1.5	4.0	2.3	2.4	1.4	.8	.3
283	Drugs.....	2.9	2.3	2.6	2.0	4.7	3.7	3.2	2.7	.9	.4
2834	Pharmaceutical preparations.....	2.9	2.5	2.6	2.2	4.8	3.8	3.3	2.7	.9	.5
284	Soap, cleaners, and toilet goods.....	5.0	5.2	4.7	4.5	6.1	5.6	4.4	3.6	.6	.7
2841	Soap and other detergents.....	2.7	2.9	2.3	2.1	4.6	3.6	2.8	1.8	.9	.9
2844	Toilet preparations.....	8.2	7.8	7.9	7.2	8.4	7.6	6.3	5.1	.6	.6
285	Paints and allied products.....	3.1	2.6	3.0	2.4	5.3	4.1	3.9	3.1	.6	.3
286,9	Other chemical products.....	3.3	3.2	2.8	2.7	6.5	5.9	4.1	3.2	1.1	1.3
29	PETROLEUM AND COAL PRODUCTS.....	2.9	2.5	2.5	2.0	4.4	3.9	2.9	2.3	.6	.7
291	Petroleum refining.....	1.9	1.3	1.6	1.1	2.8	2.6	1.9	1.3	.3	.5
295,9	Other petroleum and coal products.....	6.6	7.0	6.3	5.8	10.7	9.4	7.2	6.0	1.6	1.6
30	RUBBER AND PLASTICS PRODUCTS, N E C.....	6.8	6.9	5.9	5.4	7.5	7.5	5.2	5.2	.7	.8
301	Tires and inner tubes.....	2.7	2.6	2.0	2.1	3.5	3.1	2.1	1.9	.3	.3
302,3,6	Other rubber products.....	6.3	7.8	5.4	4.4	7.5	6.6	5.0	4.5	1.0	.8
307	Miscellaneous plastics products.....	8.9	8.1	8.0	7.4	9.1	10.1	6.7	7.1	.7	1.1

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	
		Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969	Sept. 1969	Aug. 1969
	<i>Nondurable Goods--Continued</i>										
31	LEATHER AND LEATHER PRODUCTS	6.7	7.2	4.9	5.0	9.2	9.1	5.5	6.0	2.6	1.9
311	Leather tanning and finishing	5.0	5.7	3.7	4.4	8.7	8.0	5.6	5.2	2.4	1.7
314	Footwear, except rubber	6.1	5.9	4.4	4.2	9.1	9.1	5.4	5.8	2.7	2.1
	NONMANUFACTURING										
10	METAL MINING	3.4	3.4	2.9	2.5	6.7	4.0	5.1	3.0	.3	.2
101	Iron ores	2.4	2.2	1.6	1.2	6.6	3.5	5.2	2.0	.1	.3
102	Copper ores	3.1	3.5	2.8	2.0	5.3	3.4	3.5	2.5	.2	.2
11,12	COAL MINING	2.3	2.4	1.8	1.9	1.9	2.4	1.1	1.5	.1	.4
12	Bituminous coal and lignite mining	2.3	2.4	1.9	1.9	1.9	2.4	1.1	1.5	.1	.4
	COMMUNICATION:										
481	Telephone communication	(2)	2.9	-	-	(2)	3.4	(2)	2.6	(2)	.3
482	Telegraph communication ³	(2)	2.5	-	-	(2)	3.7	(2)	2.9	(2)	.5

¹Less than 0.05.

²Not available.

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	4.5	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 ¹	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	3.7	3.5	3.7			
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	5.1	4.8			
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	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	2.7	2.9	2.5			
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	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

State and area	(Per 100 employees)				Separation rates					
	Accession rates		New hires		Total		Quits		Layoffs	
	Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969
ALABAMA:										
Birmingham	3.0	3.7	2.4	3.1	4.8	3.3	2.2	1.9	1.7	0.5
Mobile ¹	4.9	6.0	2.6	4.0	7.6	5.8	3.4	2.3	3.3	2.4
ALASKA	15.4	32.4	12.3	29.1	58.2	20.1	8.2	5.0	49.1	14.4
ARIZONA	7.1	5.8	5.4	4.8	7.5	6.4	4.5	3.5	1.5	1.5
Phoenix	7.3	5.7	5.4	4.7	7.6	6.4	4.6	3.5	1.5	1.4
ARKANSAS	7.7	7.8	6.6	6.8	8.9	7.7	7.2	5.6	.7	1.1
Fort Smith	9.3	8.9	8.7	8.5	11.1	10.0	9.9	7.9	.5	1.2
Little Rock-North Little Rock	6.5	6.0	6.0	5.8	7.2	6.5	5.9	4.9	.4	.7
Pine Bluff	6.6	7.4	6.1	6.7	7.9	5.2	6.8	4.0	.2	.4
CALIFORNIA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Los Angeles-Long Beach	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
COLORADO	5.8	5.6	5.0	4.6	6.8	4.6	4.7	2.7	.9	1.0
Denver	5.7	5.1	5.1	4.5	7.4	4.6	5.0	2.7	1.0	.9
CONNECTICUT	3.6	3.5	3.1	2.8	5.1	3.5	3.6	2.1	.5	.4
Hartford	3.3	2.3	2.8	1.9	4.6	3.3	3.1	1.6	.4	.4
DELAWARE ¹	8.9	8.4	3.4	2.6	4.3	13.0	2.9	1.8	.2	10.4
Wilmington ¹	8.8	8.4	3.4	2.3	3.6	12.5	2.4	1.3	.2	10.6
DISTRICT OF COLUMBIA:										
Washington SMSA	(*)	3.4	(*)	3.3	(*)	2.9	(*)	2.4	(*)	.1
FLORIDA	7.0	6.5	6.0	5.6	9.6	7.9	5.7	4.4	1.9	2.5
Fort Lauderdale-Hollywood	6.5	7.3	6.2	6.9	3.3	10.0	5.8	6.0	.6	2.5
Jacksonville	6.6	6.8	6.4	5.7	6.5	8.8	5.1	6.3	.7	1.6
Miami	6.2	8.0	5.6	6.9	8.0	7.5	5.4	4.7	1.8	2.0
Orlando	6.8	4.4	5.7	3.8	9.9	8.2	4.6	3.5	3.9	4.0
Pensacola	1.7	1.5	1.6	1.4	2.2	2.4	1.9	1.0	(2)	1.2
Tampa-St. Petersburg	9.0	7.2	7.4	5.9	9.9	7.7	7.1	4.9	1.8	1.6
West Palm Beach	4.3	4.9	3.1	4.1	6.1	4.2	4.1	2.6	.2	.8
GEORGIA	6.2	5.9	5.2	4.9	7.5	5.4	5.4	3.6	.9	.8
Atlanta ³	5.7	6.2	4.9	5.5	7.0	6.1	5.2	4.2	.6	.6
HAWAII ⁴	3.6	2.3	3.2	2.4	4.1	2.6	3.0	1.7	.2	.2
IDAHO ⁵	5.9	5.5	5.3	4.9	8.6	5.9	6.2	3.6	1.3	1.0
ILLINOIS:										
Chicago	(*)	4.6	(*)	4.1	(*)	4.6	(*)	2.9	(*)	
INDIANA ¹	4.4	3.5	3.5	2.8	5.1	3.8	3.3	2.1	.6	.
Indianapolis ⁶	4.1	3.1	3.1	2.6	4.4	3.5	2.8	2.1	.2	.
IOWA	5.4	3.7	4.4	2.9	6.0	3.8	4.6	2.3	.7	.9
Cedar Rapids	3.5	4.3	3.2	3.3	4.3	3.8	3.5	2.2	.2	.9
Des Moines	5.0	3.7	4.1	2.8	7.4	5.0	4.5	2.6	1.8	1.5
KANSAS	(*)	4.4	(*)	3.3	(*)	4.5	(*)	2.8	(*)	.7
Topeka	3.7	3.3	2.6	2.6	5.5	3.3	2.9	1.6	1.8	.3
Wichita	(*)	3.9	(*)	2.9	(*)	3.4	(*)	2.2	(*)	.5
KENTUCKY	4.9	4.4	4.1	3.4	5.7	4.1	4.0	2.8	.7	.4
Louisville	4.2	4.0	3.5	3.2	4.6	3.8	3.2	2.5	.4	.2
LOUISIANA:										
New Orleans ⁷	4.1	4.8	2.9	3.7	5.7	4.9	3.1	2.6	1.4	.6
MAINE	3.3	6.1	2.7	5.0	7.9	6.2	5.5	4.0	1.3	1.3
Portland	4.3	5.6	3.0	5.1	3.0	6.3	5.1	4.6	2.1	.8
MARYLAND	5.1	4.6	2.9	3.6	6.1	4.2	2.8	2.1	2.3	1.1
Baltimore	5.4	4.4	2.8	3.4	6.3	4.2	2.7	2.0	2.7	1.1

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969
MASSACHUSETTS.....	4.9	6.5	3.6	3.2	6.2	7.4	4.4	2.6	0.8	3.9
Boston.....	4.5	4.3	3.4	2.8	6.3	5.7	4.7	2.4	.5	2.5
MICHIGAN.....	(*)	5.4	(*)	2.8	(*)	8.6	(*)	1.7	(*)	5.7
Detroit.....	7.3	4.1	4.0	2.2	5.5	7.4	2.7	1.8	1.5	4.4
MINNESOTA.....	6.0	4.6	4.7	3.8	6.3	4.4	4.4	2.4	1.1	1.2
Duluth-Superior.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Minneapolis-St. Paul.....	4.6	4.2	3.6	3.5	5.9	4.0	4.2	2.4	.9	.7
MISSISSIPPI:										
Jackson.....	6.0	5.8	5.6	5.3	7.0	5.2	6.0	3.8	.1	.2
MISSOURI.....	4.8	4.5	3.8	3.6	5.9	4.7	3.8	2.6	1.0	1.1
Kansas City.....	4.7	5.0	3.8	4.0	5.9	4.5	4.0	2.8	.9	.7
St. Louis.....	4.1	3.9	3.4	2.9	4.8	3.7	3.0	2.0	.7	.7
MONTANA ⁵	4.1	4.8	3.3	4.3	6.3	4.1	3.9	2.5	.8	.9
NEBRASKA.....	6.4	4.8	5.7	4.2	7.3	6.1	6.0	3.2	.3	1.9
NEVADA.....	8.5	7.7	8.2	7.3	9.0	7.5	6.5	4.4	1.2	1.4
NEW HAMPSHIRE.....	5.6	5.4	4.8	4.8	7.9	5.0	5.7	3.9	1.1	.3
NEW JERSEY:										
Jersey City.....	6.3	3.5	3.9	2.6	5.5	4.3	3.3	1.8	.9	1.7
Newark.....	4.7	4.5	3.7	3.4	5.9	5.8	4.0	2.1	.7	2.9
Paterson-Clifton-Passaic.....	5.6	4.9	4.0	3.8	6.6	6.0	4.1	2.5	1.3	2.4
Perth Amboy.....	5.6	6.4	3.0	3.3	6.6	6.0	3.7	1.8	1.9	3.3
Trenton.....	4.2	3.9	2.8	2.5	4.9	4.3	3.5	1.8	.6	1.6
NEW YORK.....	5.7	5.2	3.8	3.8	5.7	5.7	3.3	2.2	1.3	2.6
Albany-Schenectady-Troy.....	3.2	3.3	2.5	2.7	4.0	2.9	2.5	1.9	.4	.4
Binghamton.....	3.1	3.1	2.2	2.2	3.4	3.4	2.6	1.3	.1	1.3
Buffalo.....	4.5	3.9	3.0	2.8	4.9	4.6	2.8	1.4	1.1	2.3
Elmira.....	4.9	2.9	3.8	2.5	6.2	2.4	4.4	1.4	.9	.1
Monroe County ⁸	2.9	3.7	2.5	3.2	3.8	2.6	2.4	1.7	.4	.3
Nassau and Suffolk Counties ⁹	5.7	4.8	4.3	4.3	6.3	6.4	4.2	2.6	1.0	3.0
New York SMSA.....	7.1	6.6	4.5	4.4	6.8	7.8	3.5	2.6	2.1	4.2
New York City ⁹	7.6	7.1	4.6	4.5	7.0	8.5	3.3	2.7	2.4	4.7
Rochester.....	4.3	4.6	3.5	3.8	4.0	2.8	2.6	1.8	.4	.4
Syracuse.....	3.9	4.3	3.1	2.8	4.1	3.3	2.8	1.9	.3	.5
Utica-Rome.....	3.7	3.2	2.4	2.4	4.5	3.6	2.7	1.6	.9	1.4
Westchester County ⁹	5.9	4.8	3.7	3.8	5.6	4.8	3.0	1.9	1.5	2.0
NORTH CAROLINA.....	6.1	5.7	5.3	4.7	6.5	5.1	5.2	4.0	.3	.2
Charlotte.....	6.8	7.0	6.3	6.7	7.1	6.2	6.3	5.2	.1	.2
Greensboro-Winston-Salem-High Point.....	5.4	5.6	4.6	4.4	6.1	4.7	5.1	3.9	(2)	(2)
NORTH DAKOTA.....	5.1	4.9	3.8	4.3	6.5	3.6	4.4	2.2	.9	.7
Fargo-Moorhead.....	4.9	5.2	4.6	4.5	7.1	3.1	5.6	2.4	.4	.1
OHIO.....	5.5	4.4	3.5	2.8	4.8	4.9	2.9	1.8	.9	2.2
Akron.....	3.7	2.9	3.1	2.1	3.7	2.5	2.6	1.4	.3	.4
Canton.....	4.3	3.7	3.5	2.8	4.9	3.6	2.9	1.9	.5	.2
Cincinnati.....	6.9	3.8	3.4	3.1	5.0	6.3	3.0	2.0	.7	3.2
Cleveland.....	4.1	4.5	3.3	2.9	4.5	4.2	3.0	2.0	.4	1.3
Columbus.....	4.5	4.0	3.7	3.1	5.5	3.9	3.4	2.1	1.2	.9
Dayton.....	7.3	3.1	2.9	2.5	3.9	6.7	2.4	1.7	.6	4.2
Toledo.....	5.4	5.5	4.1	3.8	5.7	5.1	3.3	1.9	.7	1.8
Youngstown-Warren.....	8.3	7.1	1.8	2.2	6.2	7.2	1.9	1.1	3.3	5.0
OKLAHOMA:										
Oklahoma City.....	9.2	7.8	7.9	6.7	9.1	6.9	6.9	5.1	.8	.7
Tulsa.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
OREGON ¹	5.4	5.4	4.8	4.6	6.6	5.9	3.8	3.1	1.8	1.8
Portland ¹	6.5	5.5	5.9	4.9	7.7	5.5	4.2	3.0	2.3	1.6

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969	Aug. 1969	July 1969	
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	3.9	3.2	2.7	2.4	4.2	4.5	3.0	1.8	0.5	1.9
Altoona	7.7	6.6	4.2	3.8	6.6	7.5	4.6	3.0	1.6	3.8
Eric	5.3	5.8	3.9	2.6	5.3	5.3	3.7	1.9	.4	2.5
Harrisburg	3.5	3.6	2.9	2.4	4.8	3.8	3.0	2.0	1.2	1.2
Johnstown	2.2	3.7	1.5	2.0	4.1	3.1	1.8	1.3	1.5	1.1
Lancaster	3.6	4.3	3.1	3.0	5.3	4.2	3.9	2.4	.5	1.3
Philadelphia	4.4	3.9	3.2	2.9	5.3	4.2	3.2	1.8	1.1	1.5
Pittsburgh	2.6	2.5	1.8	1.4	3.6	2.4	2.1	.9	.6	.6
Reading	3.9	4.0	3.1	3.3	4.9	4.0	3.9	2.6	.4	.7
Scranton	4.5	5.0	3.1	3.3	4.5	5.2	3.2	1.9	.5	2.7
Wilkes-Barre-Hazleton	4.8	4.3	2.6	2.5	4.7	5.8	3.3	1.9	.9	3.2
York	5.8	6.3	4.2	4.3	6.5	5.4	5.1	3.2	.7	1.7
RHODE ISLAND										
Providence-Pawtucket-Warwick	5.7	7.7	4.5	4.1	7.1	8.5	5.0	3.5	1.0	4.1
SOUTH CAROLINA:										
Greenville	6.1	6.0	5.5	5.3	7.2	5.6	5.6	4.3	.2	.1
SOUTH DAKOTA										
Sioux Falls	4.4	6.2	1.8	3.0	9.8	4.5	4.7	2.3	3.7	1.8
TENNESSEE:										
Memphis	6.3	6.3	5.6	5.6	6.7	5.4	4.7	3.4	1.0	.7
TEXAS										
Dallas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH ⁵										
Salt Lake City ⁵	5.0	4.2	4.4	3.6	4.8	4.0	3.2	2.5	.8	.7
VERMONT										
Burlington	2.6	3.1	2.1	2.2	4.2	2.3	2.9	1.6	.6	.1
Springfield	2.5	2.1	2.2	1.8	3.1	1.9	2.3	1.5	.1	(2)
VIRGINIA										
Richmond	4.8	4.8	3.7	4.0	5.1	4.0	3.5	2.3	.5	.8
WASHINGTON:										
Seattle-Everett ¹⁰	(*)	3.2	(*)	2.6	(*)	4.4	(*)	2.4	(*)	1.3
WEST VIRGINIA:										
Charleston	1.3	1.5	1.1	1.1	3.2	1.7	1.5	1.0	1.3	.3
WISCONSIN										
Milwaukee	5.6	4.8	3.6	3.3	5.9	5.4	4.2	2.2	.5	2.0
WYOMING ⁵										
	5.0	7.7	4.6	6.8	7.4	5.6	4.9	4.0	1.4	.6

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

State	Number (in thousands)					Rate (percent of average covered employment)		
	Oct. 1969	Sept. 1969	Oct. 1968	change to Oct. 1969 from ¹		Oct. 1969	Sept. 1969	Oct. 1968
				Sept. 1969	Oct. 1968			
TOTAL²	863.9	847.9	789.6	16.0	74.3	1.6	1.6	1.5
SEASONALLY ADJUSTED	1151.1	1148.2	1050.5	2.9	100.6	2.2	2.2	2.1
Alabama.....	12.1	11.5	14.5	.6	-2.4	1.8	1.7	2.2
Alaska.....	2.5	1.4	2.0	1.1	.6	5.3	3.0	4.4
Arizona.....	4.1	4.2	4.9	-.1	-.8	1.2	1.3	1.6
Arkansas.....	7.0	6.4	6.1	.6	.9	1.8	1.7	1.6
California.....	143.4	145.9	123.6	-2.5	19.7	2.8	2.9	2.5
Colorado.....	3.1	2.3	2.1	.8	1.0	.7	.5	.5
Connecticut.....	20.5	19.7	17.6	.7	2.8	2.1	2.0	1.9
Delaware.....	1.8	1.8	1.5	-.1	.3	1.1	1.1	1.0
District of Columbia.....	3.1	3.3	2.9	-.3	.2	.9	1.0	.9
Florida.....	20.6	24.5	22.7	-3.9	-2.1	1.5	1.8	1.8
Georgia.....	9.6	8.9	9.2	.7	.4	.9	.8	.9
Hawaii.....	4.4	3.2	3.9	1.2	.4	1.9	1.4	1.9
Idaho.....	1.8	2.1	1.6	-.3	.2	1.2	1.5	1.1
Illinois.....	32.3	31.3	29.0	1.0	3.3	1.0	1.0	.9
Indiana.....	10.2	10.3	11.7	-.1	-1.5	.7	.8	.9
Iowa.....	4.8	4.9	3.9	-.1	.9	.8	.9	.7
Kansas.....	5.1	5.9	4.2	-.8	.9	1.2	1.4	1.0
Kentucky.....	9.0	9.2	8.2	-.2	.8	1.5	1.6	1.4
Louisiana.....	15.6	15.6	12.4	-.1	3.3	2.2	2.2	1.8
Maine.....	6.3	7.3	3.8	-.9	2.5	2.9	3.3	1.8
Maryland.....	9.7	10.5	12.1	-.8	-2.4	1.1	1.2	1.4
Massachusetts.....	39.9	38.4	34.9	1.5	5.0	2.3	2.2	2.1
Michigan.....	31.6	34.1	30.8	-.2	.8	1.3	1.4	1.3
Minnesota.....	5.0	5.2	6.0	-.2	-.9	.5	.6	.7
Mississippi.....	5.3	5.5	4.4	-.3	.8	1.4	1.5	1.2
Missouri.....	19.6	18.2	17.0	1.3	2.6	1.7	1.6	1.5
Montana.....	1.8	1.5	1.5	.3	.3	1.5	1.2	1.3
Nebraska.....	1.9	1.9	1.9	-.1	-.1	.7	.7	.7
Nevada.....	3.2	2.7	3.3	.5	-.1	2.3	2.0	2.5
New Hampshire.....	1.9	1.9	1.0	-.1	.8	1.0	1.0	.6
New Jersey.....	49.3	44.9	44.9	4.4	4.5	2.6	2.4	2.4
New Mexico.....	3.7	2.8	2.8	.8	.9	2.1	1.6	1.6
New York.....	108.9	108.5	98.5	.3	10.4	1.9	1.9	1.8
North Carolina.....	12.9	12.2	11.2	.7	1.7	1.0	1.0	.9
North Dakota.....	1.5	1.5	1.5	-.1	-.1	.6	.6	.6
Ohio.....	18.2	18.7	26.0	-.4	-7.7	.6	.7	.9
Oklahoma.....	8.6	8.0	7.7	.7	.9	1.8	1.7	1.7
Oregon.....	13.4	11.3	8.4	2.1	5.0	2.6	2.2	1.7
Pennsylvania.....	49.9	49.5	55.4	-.4	-5.5	1.5	1.5	1.7
Puerto Rico ^{3*}	52.2	45.9	47.4	6.3	4.8	7.4	6.4	6.7
Rhode Island.....	6.7	7.2	5.7	-.5	1.0	2.4	2.6	2.1
South Carolina.....	8.8	8.7	7.7	.1	1.1	1.5	1.5	1.4
South Dakota.....	.8	.7	.6	.1	.2	.9	.8	.7
Tennessee.....	16.5	17.1	14.0	-.6	2.6	1.8	1.9	1.6
Texas.....	17.0	16.3	14.9	.6	2.0	.7	.7	.6
Utah.....	4.3	4.5	3.7	-.2	.6	2.0	2.1	1.8
Vermont.....	1.1	1.1	1.3	-.1	-.1	1.1	1.2	1.3
Virginia.....	4.4	5.0	3.4	-.6	1.0	.5	.5	.4
Washington.....	31.5	28.7	19.2	2.8	12.3	3.8	3.5	2.4
West Virginia.....	6.4	6.0	6.5	.4	-.1	1.8	1.7	1.8
Wisconsin.....	11.0	10.0	10.7	1.1	.3	1.0	.9	1.0
Wyoming.....	.4	.4	.4	.1	-.1	.6	.5	.6

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	Oct. 1969	Sept. 1969	State and area	Oct. 1969	Sept. 1969	State and area	Oct. 1969	Sept. 1969	State and area	Oct. 1969	Sept. 1969
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--		
Birmingham.....	2.6	2.6	Evansville.....	.7	.8	Manchester.....	.4	.4	continued		
Mobile.....	1.6	1.6	Ft. Wayne.....	3	3				York.....	.6	1.0
			Gary-Hammond..	.8	1.0						
			Indianapolis....	1.8	1.7	NEW JERSEY			PUERTO RICO*		
ARIZONA			South Bend.....	.9	1.1	Atlantic City....	1.8	1.1	Mayaguez.....	1.8	1.6
Phoenix.....	2.4	2.4	Terre Haute.....	2	.4	Jersey City.....	7.4	7.4	Ponce.....	1.5	1.2
						Newark.....	13.0	12.0	San Juan.....	4.3	4.1
			IOWA			New Brunswick..	4.4	4.5			
ARKANSAS			Cedar Rapids....	1	1	Paterson.....	10.3	9.7			
Little Rock.....	.6	.6	Des Moines.....	.7	.7	Trenton.....	1.2	1.4			
									RHODE ISLAND		
CALIFORNIA			KANSAS			NEW MEXICO			Providence.....	7.2	7
Anaheim-S. Ana-			Wichita.....	1.8	2.5	Albuquerque....	1.7	.7			
Garden Grove..	9.1	9.7							SOUTH CAROLINA		
Fresno.....	2.4	2.7	KENTUCKY			NEW YORK			Charleston.....	9	9
Los Angeles....	62.7	68.5	Louisville.....	2.6	3.0	Albany.....	2.3	2.4	Greenville.....	9	8
Sacramento.....	6.5	5.3				Binghamton....	.9	1.2			
San Bernardino..	7.6	8.5	LOUISIANA			Buffalo.....	5.2	5.2			
San Diego.....	7.9	8.7	Baton Rouge....	1.3	1.2	New York.....	84.8	86.6			
San Francisco..	23.7	23.0	New Orleans....	5.3	5.4	Rochester.....	2.2	2.4	TENNESSEE		
San Jose.....	6.5	5.3	Shreveport.....	.9	.9	Syracuse.....	2.1	2.0	Chattanooga....	1.2	1.6
Stockton.....	2.8	1.5				Utica.....	1.8	1.7	Knoxville.....	1.4	1.6
			MAINE			NORTH CAROLINA			Memphis.....	2.6	3.5
COLORADO			Portland.....	.6	.8	Asheville.....	.5	.4	Nashville.....	1.4	1.5
Denver.....	1.8	1.3	MARYLAND			Charlotte.....	.8	1.0			
			Baltimore.....	6.7	7.3	Durham.....	.4	.5	TEXAS		
						Greensboro-			Austin.....	3	2
CONNECTICUT			MASSACHUSETTS			Winston-Salem..	1.0	1.2	Beaumont.....	1.2	1.2
Bridgeport.....	3.4	3.2	Boston.....	17.6	17.4	OHIO			Corpus Christi..	1.6	1.6
Hartford.....	4.6	4.1	Brockton.....	1.3	1.1	Akron.....	1.3	1.3	Dallas.....	1.5	1.3
New Britain....	1.3	1.3	Fall River.....	2.3	1.7	Canton.....	.7	.6	El Paso.....	1.3	1.2
New Haven.....	2.4	2.6	Lawrence.....	3.1	2.7	Cincinnati.....	2.4	2.4	Ft. Worth.....	.8	.7
Stamford.....	.9	1.0	Lowell.....	1.8	1.6	Cleveland.....	3.2	3.2	Houston.....	1.8	1.8
Waterbury.....	2.2	2.2	New Bedford....	2.2	2.5	Columbus.....	1.4	1.5	San Antonio....	1.5	1.4
			Springfield....	4.2	3.9	Dayton.....	1.0	1.0			
DELAWARE			Worcester.....	2.2	2.0	Hamilton.....	.4	.5	UTAH		
Wilmington.....	1.8	1.6				Lorain.....	.4	.5	Salt Lake City..	2.6	2.7
			MICHIGAN			Steubenville...	.3	.3			
DIST. OF COL.			Battle Creek....	.6	.8	Toledo.....	1.0	1.1	VIRGINIA		
Washington.....	5.1	5.2	Detroit.....	14.6	17.0	Youngstown....	.8	.9	Hampton.....	.6	.5
			Flint.....	2.0	1.6	OKLAHOMA			Norfolk.....	.8	.8
			Grand Rapids...	2.4	2.6	Oklahoma City..	1.6	1.3	Richmond.....	.3	.3
FLORIDA			Kalamazoo.....	.6	.5	Tulsa.....	1.6	1.6	Roanoke.....	.2	.1
Jacksonville....	.6	.6	Lansing.....	.9	.9				WASHINGTON		
Miami.....	5.6	6.1	Muskegon.....	1.0	.9	Seattle.....	15.1	13.3	Spokane.....	2.2	1.9
Tampa.....	2.6	2.6	Saginaw.....	.5	.5	Tacoma.....	3.4	3.2			
									WEST VIRGINIA		
GEORGIA			MINNESOTA			Allentown.....	2.3	2.2	Charleston.....	.7	.8
Atlanta.....	2.8	2.6	Duluth.....	.7	.8	Altoona.....	.7	.8	Huntington.....	1.1	1.5
Augusta.....	.7	.7	Minneapolis....	1.6	1.8	Erie.....	.6	.7	Wheeling.....	.7	.6
Columbus.....	.6	.6				Harrisburg.....	.9	1.3			
Macon.....	.5	.5	MISSISSIPPI			Johnstown.....	1.5	1.4			
Savannah.....	.3	.4	Jackson.....	.3	.4	Lancaster.....	.5	.6	WISCONSIN		
						Philadelphia...	21.9	20.8	Kenosha.....	.3	.3
HAWAII			MISSOURI			Pittsburgh.....	8.6	8.4	Madison.....	.3	.3
Honolulu.....	3.5	2.3	Kansas City....	4.0	3.6	Reading.....	.9	1.1	Milwaukee.....	3.7	3.5
			St. Louis.....	11.2	10.4	Scranton.....	2.4	2.3	Racine.....	.4	.4
						Wilkes-Barre...	3.7	3.9			
ILLINOIS			NEBRASKA								
Chicago.....	16.6	16.9	Omaha.....	1.1	1.2						
Davenport.....	2.2	2.2									
Peoria.....	.7	.8									
Rockford.....	.8	.8									

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.

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 30 million nonagriculture wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month.

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 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of Aggregate Weekly Payrolls and Man-Hours

The indexes of aggregate weekly payrolls and man-hours are prepared by dividing the current month's aggregate by the monthly average for the 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 ($RMSE = \sqrt{(\text{Standard Deviation})^2 + (\text{Bias})^2}$). If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root mean square error. The chances are about 19 out of 20 that the difference would be less than twice the root mean square error.

Approximations of the root mean square errors (based on the experience of the last 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 nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate man-hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate man-hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime man-hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime man-hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings	Annual total of aggregate payrolls (production- or nonsupervisory-worker employment multiplied by weekly earnings) divided by annual aggregate man-hours.	Annual total of aggregate payrolls divided by annual aggregate man-hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

UNITED STATES DEPARTMENT OF LABOR

Bureau of Labor Statistics

Regional Offices

<p>REGION I - BOSTON BLS Regional Director John Fitzgerald Kennedy Federal Bldg. Government Center - Room 1603 A Boston, Mass. 02203</p>	<p>REGION II - NEW YORK BLS Regional Director 341 Ninth Avenue New York, N.Y. 10001</p>	<p>REGION III - PHILADELPHIA BLS Regional Director Penn Square Bldg., Rm. 406 1317 Filbert Street Philadelphia, Pa. 19107</p>	<p>REGION IV - ATLANTA BLS Regional Director 1371 Peachtree Street, N.E. Atlanta, Ga. 30309</p>
<p>REGION V - CHICAGO BLS Regional Director 219 South Dearborn Street Chicago, Ill. 60604</p>	<p>REGION VI - DALLAS BLS Regional Director 411 North Akard Street Dallas, Tex. 75201</p>	<p>REGIONS VII & VIII - KANSAS CITY BLS Regional Director 911 Walnut Street Kansas City, Mo. 64106</p>	<p>REGIONS IX & X - SAN FRANCISCO BLS Regional Director 450 Golden Gate Avenue, Box 36017 San Francisco, Calif. 94102</p>

COOPERATING STATE AGENCIES

BLS
Region

Employment and Labor Turnover Statistics Programs

IV	ALABAMA	- Department of Industrial Relations, Montgomery 36104
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 19899
III	DIST. OF COL.	- Manpower Training and Employment Services Administration for the District of Columbia, Washington 20212
IV	FLORIDA	- Department of Commerce, Tallahassee 32304
IV	GEORGIA	- Employment Security Agency, Department of Labor, Atlanta 30303
IX	HAWAII	- Department of Labor and Industrial Relations, Honolulu 96811
X	IDAHO	- Department of Employment, Boise 83707
V	ILLINOIS	- Division of Research and Statistics, Department of Labor, Chicago 60606
V	INDIANA	- Employment Security Division, Indianapolis 46204
VII	IOWA	- Employment Security Commission, Des Moines 50319
VII	KANSAS	- Employment Security Division, Department of Labor, Topeka 66603
IV	KENTUCKY	- Bureau of Employment Security, Department of Economic Security, Frankfort 40601
VI	LOUISIANA	- Department of Employment Security, Baton Rouge 70804
I	MAINE	- Employment Security Commission, Augusta 04330
III	MARYLAND	- Department of Employment Security, Baltimore 21201
I	MASSACHUSETTS	- Division of Statistics, Department of Labor and Industries, Boston 02202 (Employment). Division of Employment Security, Boston 02215 (Turnover).
V	MICHIGAN	- Employment Security Commission, Detroit 48202
V	MINNESOTA	- Department of Manpower Services, St. Paul 55101
IV	MISSISSIPPI	- Employment Security Commission, Jackson 39205
VII	MISSOURI	- Division of Employment Security, Jefferson City 65102
VIII	MONTANA	- 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
VI	NEW MEXICO	- Employment Security Commission, Albuquerque 87103
II	NEW YORK	- Research and Statistics Office, Division of Employment, N.Y. State Department of Labor, State Campus Building 12, Albany 12201
IV	NORTH CAROLINA	- Division of Statistics, Department of Labor, Raleigh 27602 (Employment). Bureau of Employment Security Research, Employment Security Commission, Raleigh 27602 (Turnover).
VIII	NORTH DAKOTA	- Employment Security Bureau, Bismarck 58501
V	OHIO	- Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
VI	OKLAHOMA	- Employment Security Commission, Oklahoma City 73105
X	OREGON	- Division of Employment, Salem 97310
III	PENNSYLVANIA	- Bureau of Employment Security, Department of Labor and Industry, Harrisburg 17121
I	RHODE ISLAND	- Division of Statistics and Census, Department of Labor, Providence 02908 (Employment). Department of Employment Security, Providence 02903 (Turnover).
IV	SOUTH CAROLINA	- Employment Security Commission, Columbia 29202
VIII	SOUTH DAKOTA	- Employment Security Department, Aberdeen 57401
IV	TENNESSEE	- Department of Employment Security, Nashville 37219
VI	TEXAS	- Employment Commission, Austin 78701
VIII	UTAH	- Department of Employment Security, Salt Lake City 84111
I	VERMONT	- Department of Employment Security, Montpelier 05602
III	VIRGINIA	- Division of Research and Statistics, Department of Labor and Industry, Richmond 23214 (Employment). Employment Commission, Richmond 23211 (Turnover).
X	WASHINGTON	- Employment Security Department, Olympia 98501
III	WEST VIRGINIA	- Department of Employment Security, Charleston 25305
V	WISCONSIN	- Department of Industrial, Labor and Human Relations, Madison 53701
VIII	WYOMING	- Employment Security Commission, Casper 82601