

EMPLOYMENT AND EARNINGS

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

Employment and Unemployment Developments, July 1970

Unemployment declined less than it usually does in July, and the overall unemployment rate rose from 4.7 percent to 5.0 percent, the same as in May. At the same time, seasonally adjusted nonfarm payroll employment dropped for the fourth consecutive month.

The July increase in unemployment occurred almost entirely among adult women and young adult men. The jobless rate declined for workers covered by State unemployment insurance programs.

Nonfarm payroll employment declined by 145,000 in July, after seasonal adjustment. Employment declines were widespread among the major industries, although the largest drop occurred in manufacturing. The average workweek edged up slightly for the second month, after reaching its low point in May.

Unemployment

The number of unemployed persons totaled 4.5 million in July, down 160,000 from June. However, unemployment typically drops more sharply in July, and, as a result, joblessness was up 275,000 over the month after seasonal adjustment. The increase in joblessness occurred mainly among adult women and men 20 to 24 years old. Since last July, unemployment has risen by 1.3 million—725,000 adult men, 400,000 adult women, and 200,000 teenagers.

The unemployment rate for adult women (20 years and over) rose from 4.5 to 5.0 percent in July, a return to the May level. The increase primarily reflected rising joblessness among women 25 years old and over, whose rate moved up to 4.5 percent, its highest level since early 1965.

Unemployment rates for all adult men (3.7 percent) and for married men (2.7 percent) rose over the month, continuing the upward trend in evidence since last winter. However, the rise for adult men occurred almost entirely among those 20-24 years of age, whose rate increased from 7.2 to 9.1 percent.

Jobless rates for both full-time workers (4.6 percent) and part-time workers (7.4 percent) moved up in July. Nearly all of the recent rise in total joblessness has occurred among full-time workers.

White workers accounted for all of the July increase in joblessness, as their rate moved up to 4.7 percent, the highest in 6 years. The unemployment rates for Negroes, at 8.3 percent, was about the same as in June. The ratio of Negro-to-white unemployment rates in July was less than 2 to 1, the ninth month out of the last eleven in which this has occurred.

Among occupational groups, there was a substantial increase in the jobless rate for white-collar workers. Their rate rose from 2.6 to 3.1 percent in July, due primarily to increased unemployment among professional and clerical workers. The jobless rate for blue-collar workers—craftsmen, operatives, and nonfarm laborers—was 6.6 percent in July compared with 4.3 percent in December 1969.

The jobless rate for workers who last worked in manufacturing continued to climb in July and, at 6.0 percent, was at its highest point since late 1963. The jobless rate in the finance and service industries also edged up in July and contributed to the rise in unemployment among adult women.

Unlike the developments in recent months when most of the increased joblessness occurred among persons who had lost their last jobs, the increase in July was almost entirely among workers who had just reentered the labor force, mostly adult women and 20 to 24 year-old men.

The unemployment rate for workers covered by State unemployment insurance programs, which relates primarily to adult experienced workers who had lost their last jobs, fell from 3.7 to 3.5 percent in July. This was the first decline in the State-insured rate since it first began to edge up last winter.

The number of persons on part-time work for economic reasons—such as slack work, material shortages, availability of only part-time work, or started or stopped a job within the survey week—rose substantially in July to 2.3 million. The percent of labor force time lost by persons who were working part time involuntarily and those who were unemployed rose from 4.9 to 5.4 percent. This was a return to the May level, which was the highest recorded since April 1965. (Labor force time lost is a measure of man-hours lost to the economy as a percent of total man-hours available from those in the labor force.)

Industry payroll employment

Nonfarm payroll employment was 70.5 million in July, down 900,000 over the month, a larger than usual decline for this time of year. As a result, payroll employment was down by 145,000 after seasonal adjustment, the fourth straight monthly reduction. The decline would have been even greater except for the net return to payrolls of about 50,000 striking workers. (Workers on strike are not counted as employed in the payroll series but are classified as “employed—with a job but not at work” in the household series.)

Employment cutbacks in July were widespread among the major industry divisions, with the largest seasonally adjusted decline taking

place in manufacturing. Factory payroll employment dropped by 75,000, continuing the persistent downward trend that began last fall. Since last September, employment in manufacturing has declined by 850,000.

Nearly all of the July decline in manufacturing occurred in the durable goods industries. Although job losses in durables were widespread, especially large declines were posted in the lumber and wood products, transportation equipment, and electrical equipment industries. Small but pervasive declines in employment were also registered in the nondurable goods industries, which were largely offset by employment advances in the rubber and plastics (primarily the result of a strike return) and apparel industries.

Employment in contract construction edged down 15,000 on a seasonally adjusted basis in July, despite the net return of a nearly equal number who had been on strike. Compared to July 1969, employment in contract construction was down by 140,000, although part of the decline reflected increased strike activity this July.

Seasonally adjusted employment declines also occurred in services (30,000), trade (20,000), and government (15,000). In government, a gain in State and local government (15,000) was more than offset by a cutback of 30,000 workers in Federal Government, about half of whom were temporary 1970 census workers.

Average monthly changes in nonagricultural payroll employment, seasonally adjusted
(In thousands)

Industry	July 1970	Average monthly change		
		March 1970 to July 1970	July 1969 to March 1970	July 1968 to July 1969
Total nonagricultural payroll employment	70,455	-200	107	203
Goods-producing industries	23,328	-181	-32	52
Mining	617	-2	1	0
Contract construction	3,311	-43	5	14
Manufacturing	19,400	-136	-38	38
Service-producing industries	47,127	-20	139	151
Transportation and public utilities	4,507	1	6	12
Trade	14,922	-16	39	48
Finance, insurance, and real estate	3,676	3	12	16
Services	11,484	-13	42	49
Government	12,538	5	40	26

The declines in total nonagricultural payroll employment in the past 4 months have reflected job losses in nearly all industry sectors. Since March, nonagricultural payroll employment has fallen by 800,000 (seasonally adjusted), an average of 200,000 a month. (See table.) This contrasts with an average monthly gain of 110,000 in the July 1969-March 1970 period and 200,000 a month in the July 1968-July 1969 period, when all major industries registered substantial employment increases. In both of these earlier periods, the total payroll employment gains were dominated by increases in service-producing industries; however, in the most recent period (March-July 1970), employment has declined even in the services sector, thus providing no offset to the accelerated cutbacks in manufacturing.

Hours of work

The average workweek for rank-and-file workers on private nonfarm payrolls inched up by 0.1 hour (seasonally adjusted) in July to 37.3 hours. In the past 2 months, hours of work have risen by 0.2 hour from the May low of 37.1 hours. The seasonally adjusted workweek edged up in all major industry divisions with the exception of contract construction and transportation and public utilities.

In manufacturing, the workweek was up 0.1 hour from June to 39.9 hours, only slightly higher than the 9-year lows of May and June. The nondurable goods industries accounted for all of the over-the-month rise in factory hours.

Factory overtime was down 0.1 hour on a seasonally adjusted basis, although remaining in the narrow range (2.9 to 3.1 hours) which has pre-

vailed since April. Overtime was down in both durable and nondurable goods.

Earnings

Average hourly earnings of production and nonsupervisory workers on private payrolls edged up 1 cent in July to \$3.22. Compared with a year ago, hourly earnings were up by 17 cents, or 5.6 percent.

Average weekly earnings rose by \$1.02 over the month to \$121.07, increasing in all major industries except manufacturing and mining. Compared with July 1969, weekly earnings were up by \$5.17, or 4.5 percent.

Over the year ending in June 1970, average weekly earnings rose by 4.2 percent; after adjustment for changes in consumer prices, however, earnings were down by 1.7 percent.

Civilian labor force and total employment

The civilian labor force increased by 750,000 over the month to 84.8 million; it normally remains about unchanged in July. The increase returned the civilian labor force to the March-April level (seasonally adjusted). The July labor force was 2.0 million above a year ago, with nearly all of the increase divided about evenly among adult men and women. Part of the over-the-year increase for men reflects the entry into the civilian labor force of returning veterans.

Total employment was 80.3 million in July, up about 400,000 more than seasonally. Compared to July 1969, total employment was up by 675,000, with more than two-thirds of the employment gain among part-time workers, mostly women.

Chart 1.

LABOR FORCE AND EMPLOYMENT

1957 to date
(Seasonally adjusted)

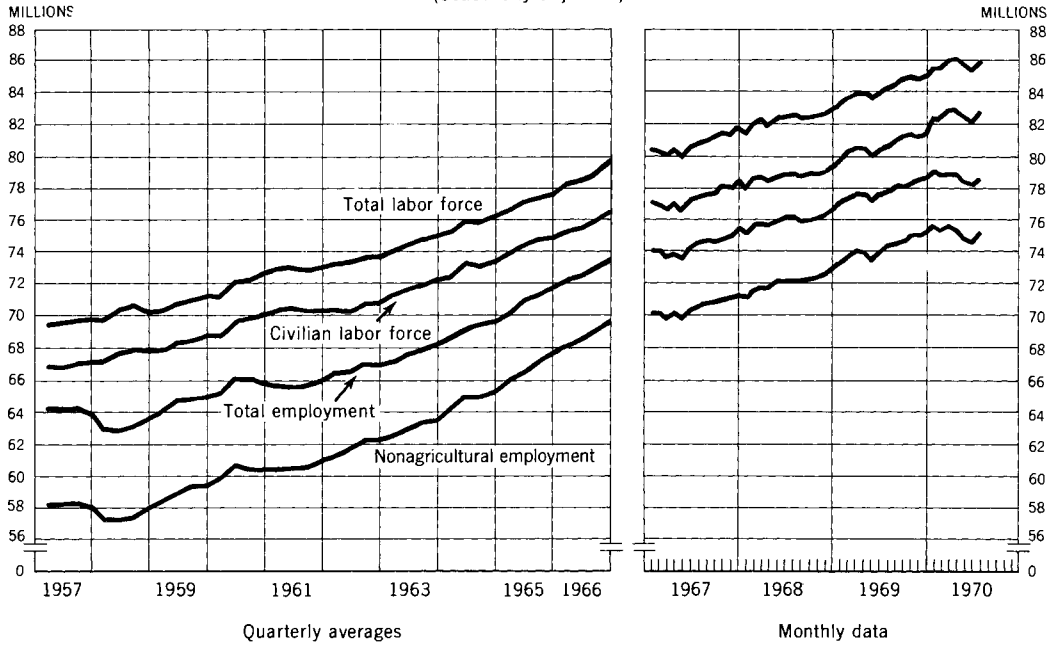
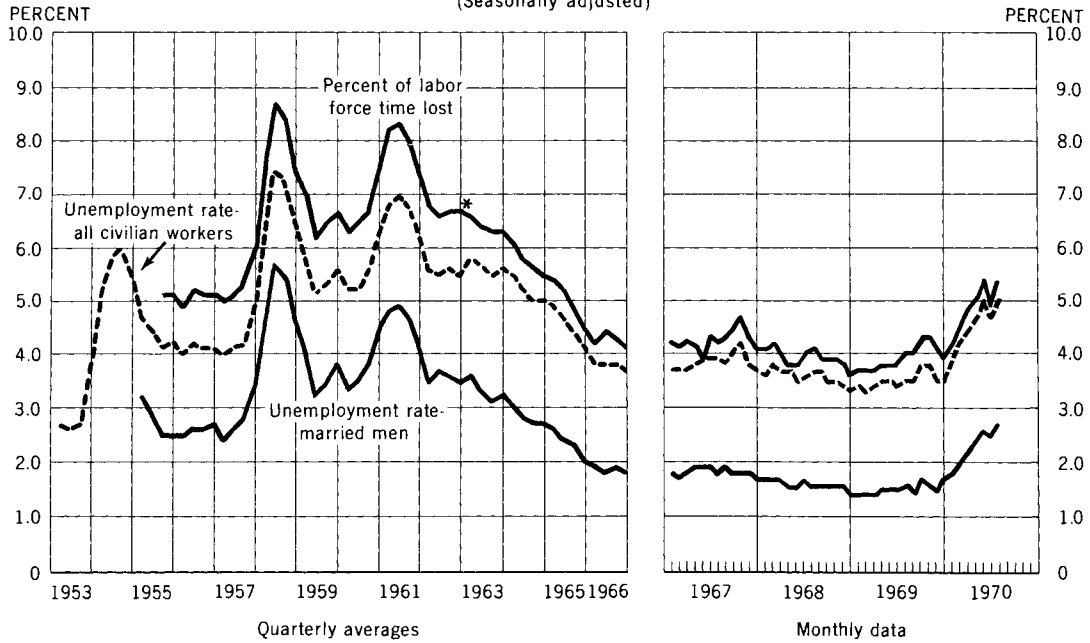


Chart 2.

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.

UNEMPLOYMENT RATES BY AGE AND SEX

1953 to date
(Seasonally adjusted)

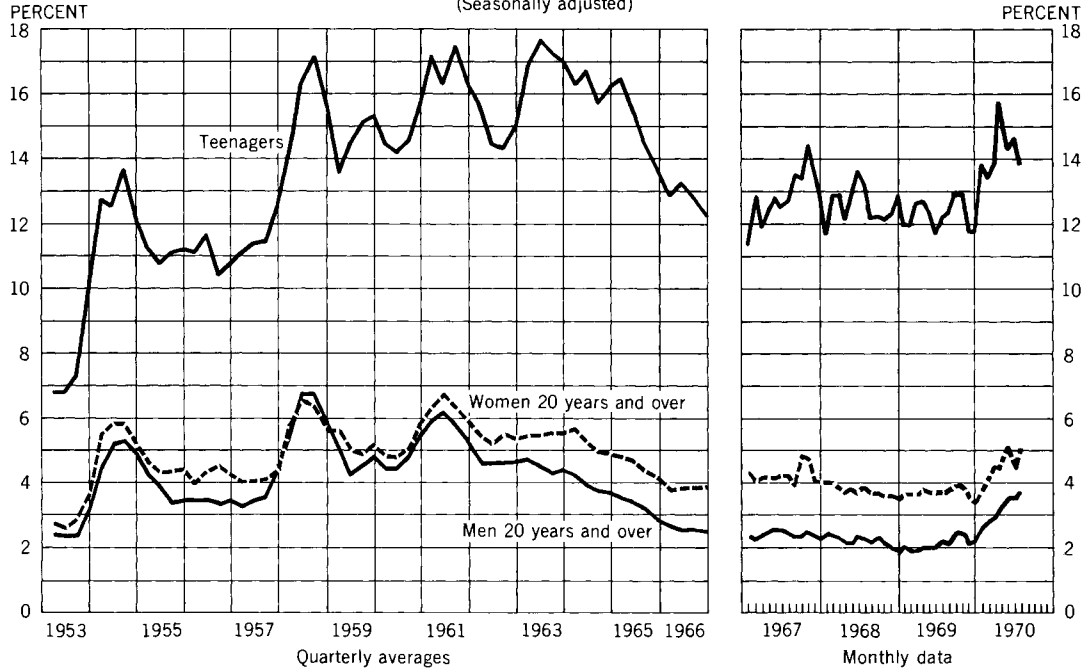


Chart 4.

TOTAL UNEMPLOYMENT BY DURATION

1953 to date
(Seasonally adjusted)

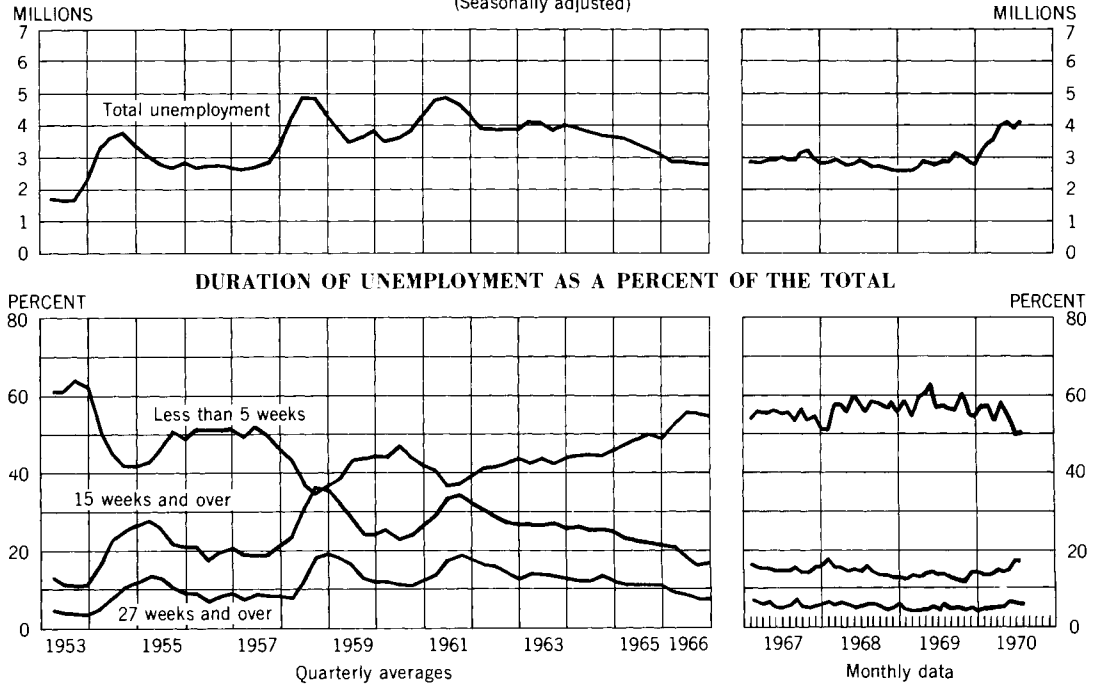
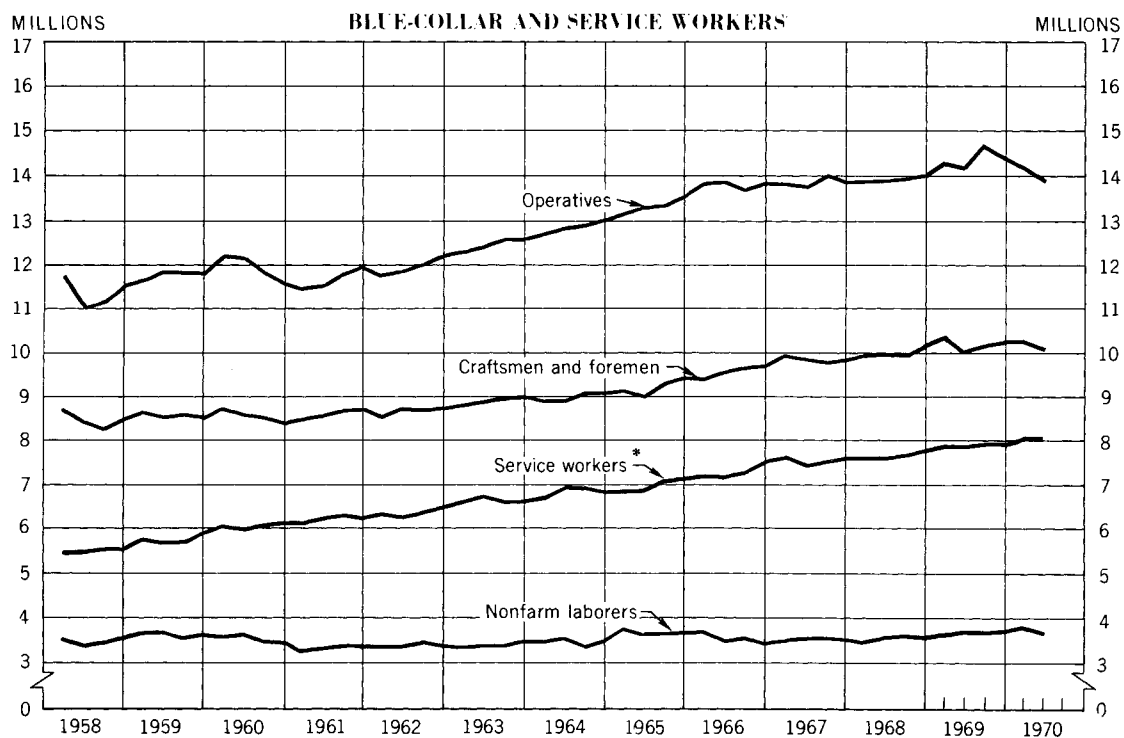
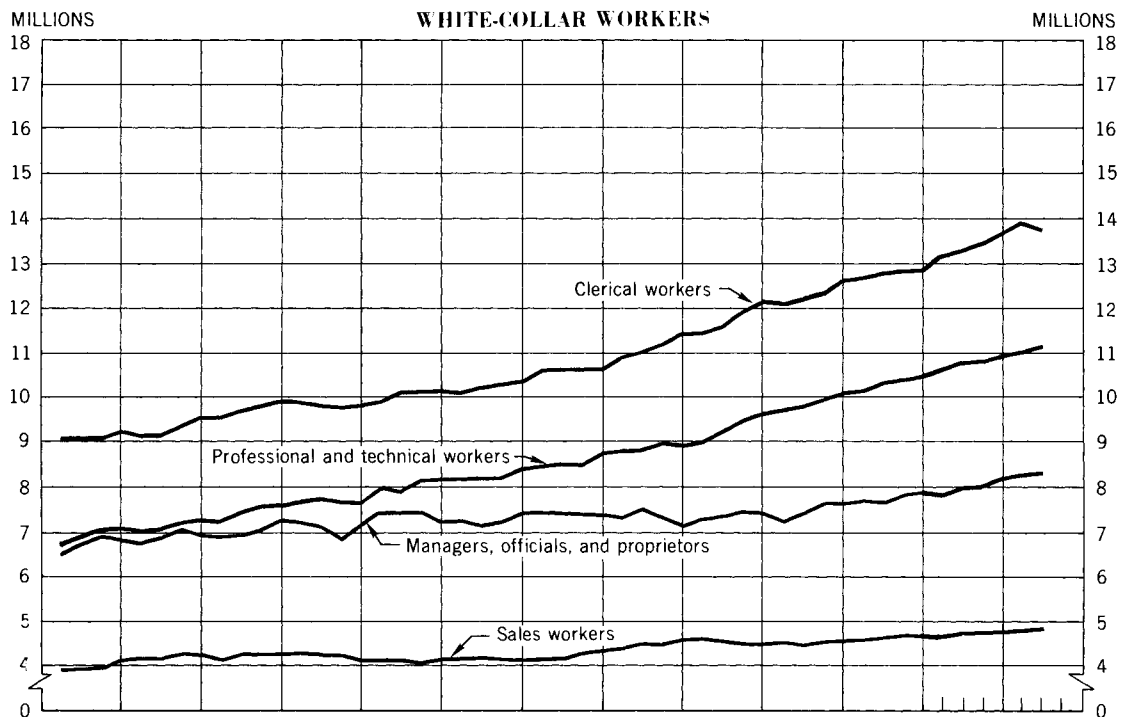


Chart 5.

EMPLOYMENT IN NONFARM OCCUPATIONS

1958 to date
(Seasonally adjusted quarterly averages)



* Excludes household workers.

Chart 6.

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

1957 to date
(Seasonally adjusted quarterly averages)

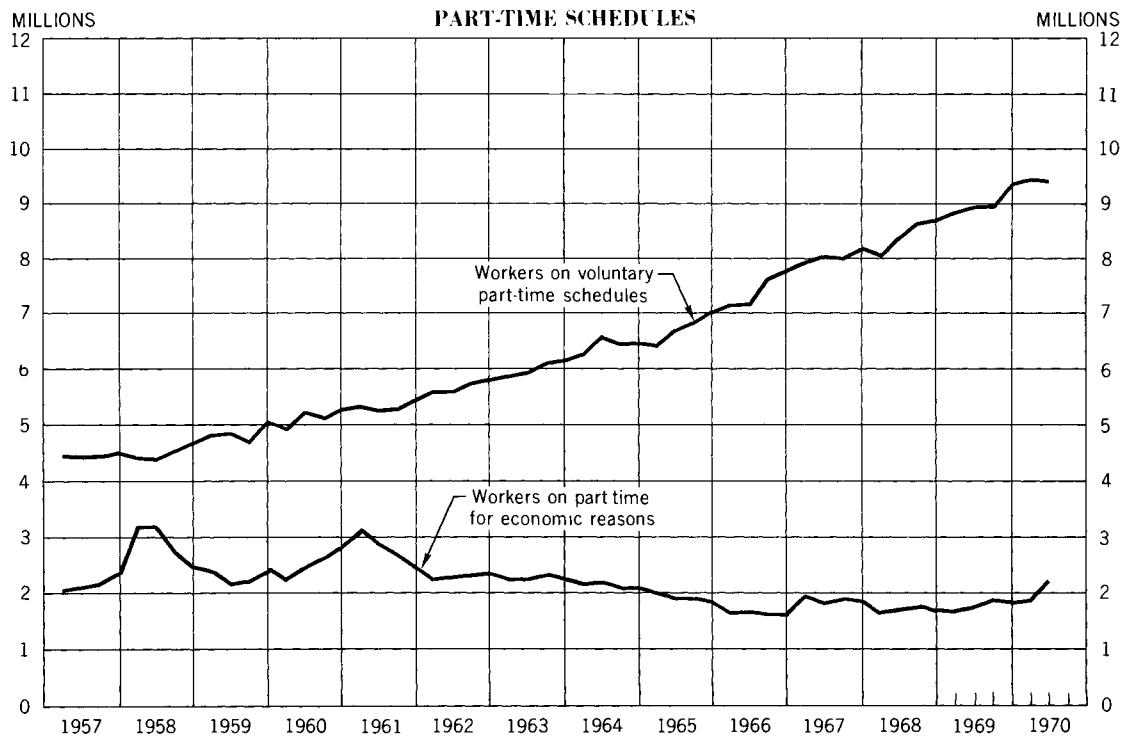
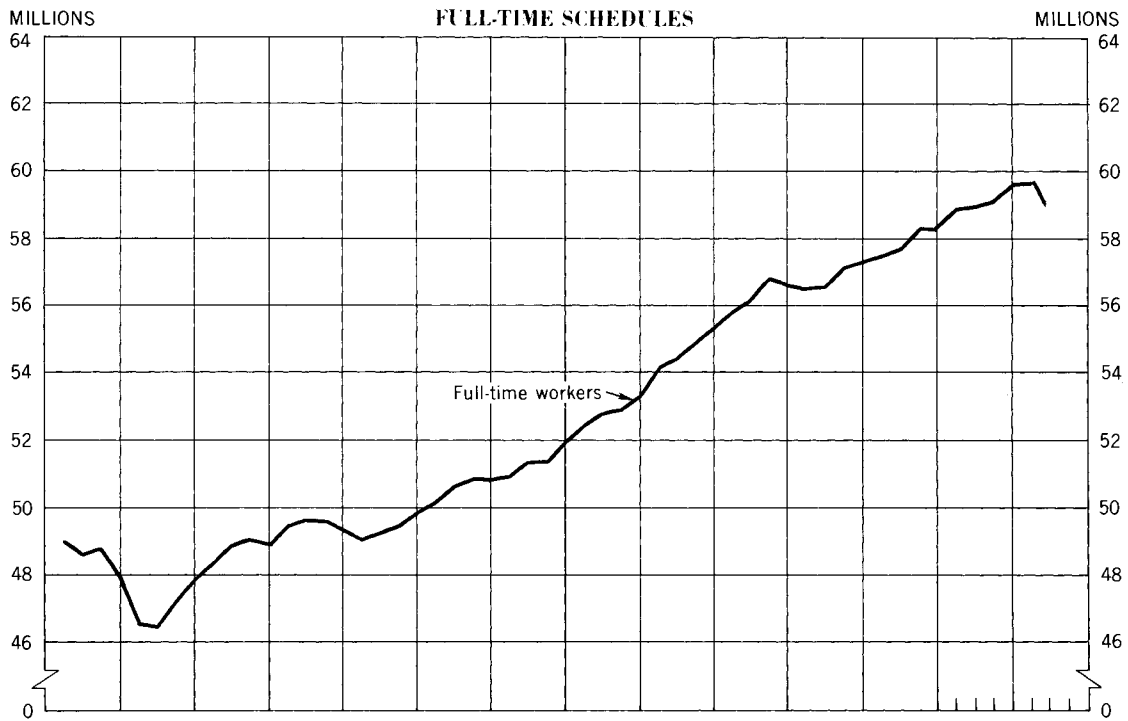


Chart 7.

UNEMPLOYMENT RATES BY OCCUPATION

1958 to date

(Seasonally adjusted quarterly averages)

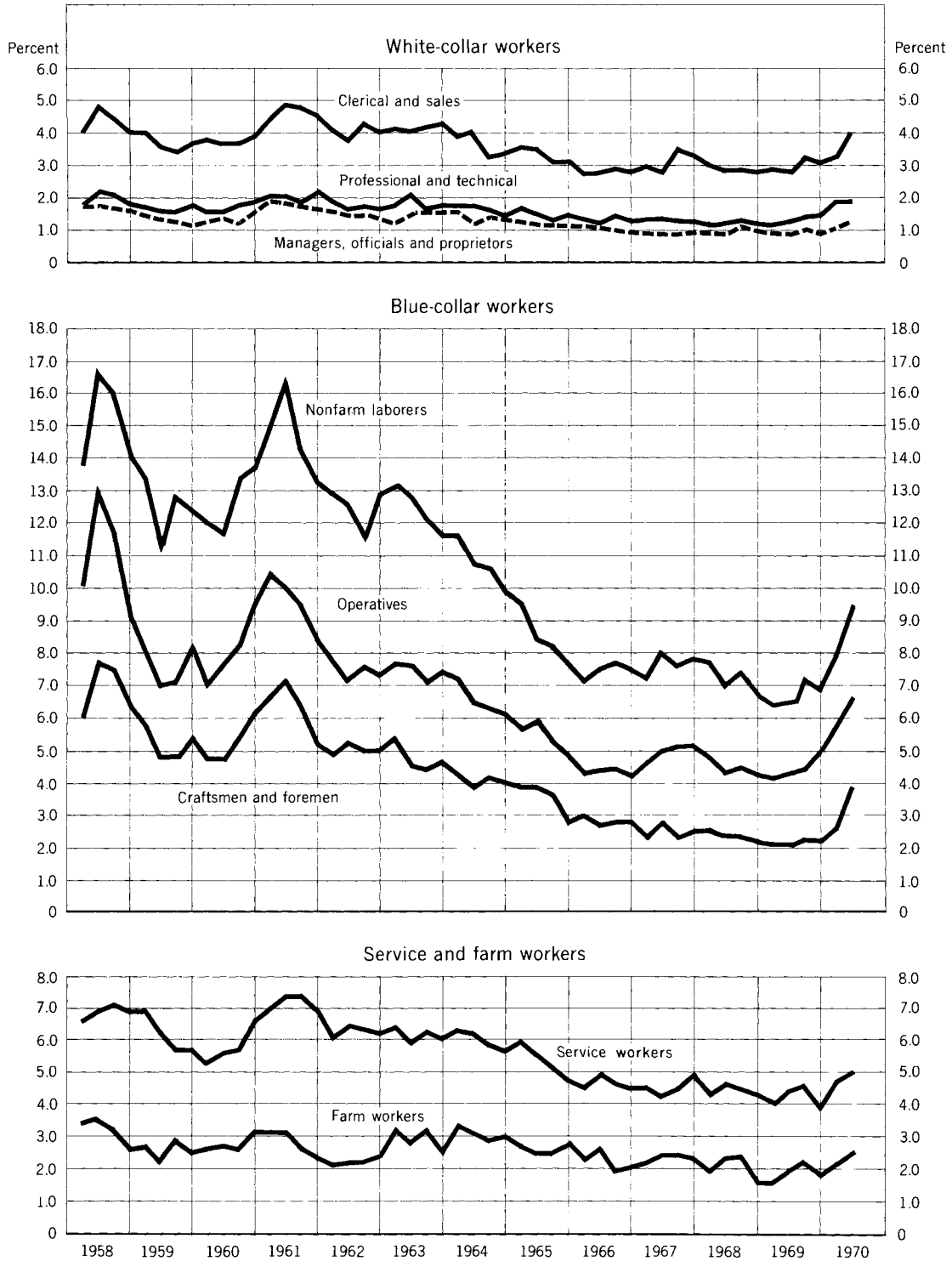


Chart 8.

UNEMPLOYMENT RATES BY COLOR

1957 to date

(Seasonally adjusted quarterly averages)

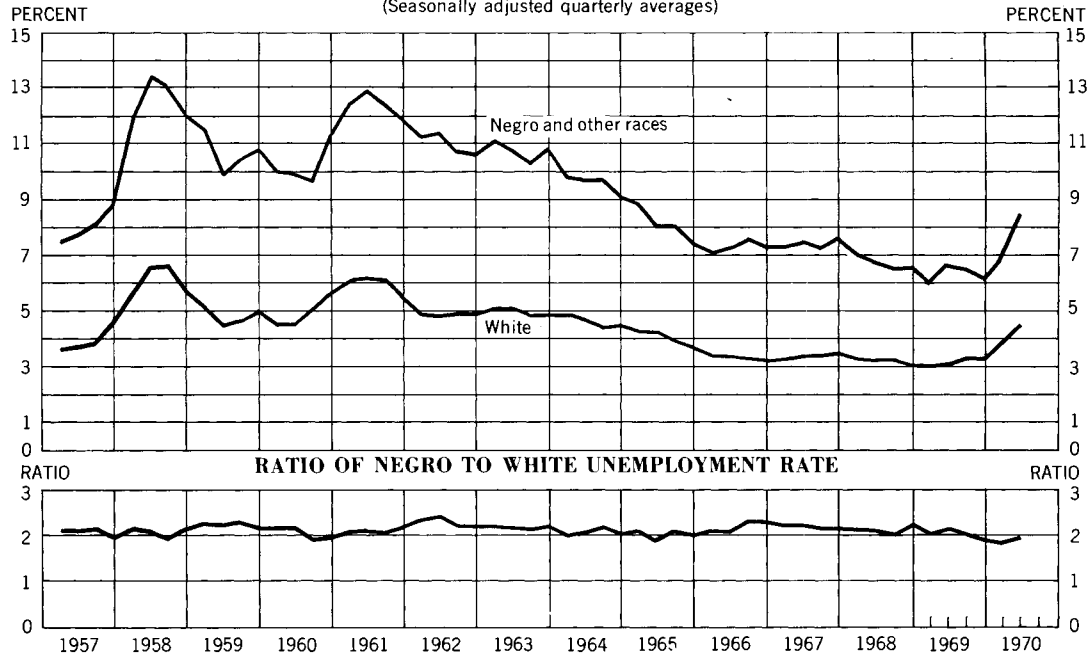
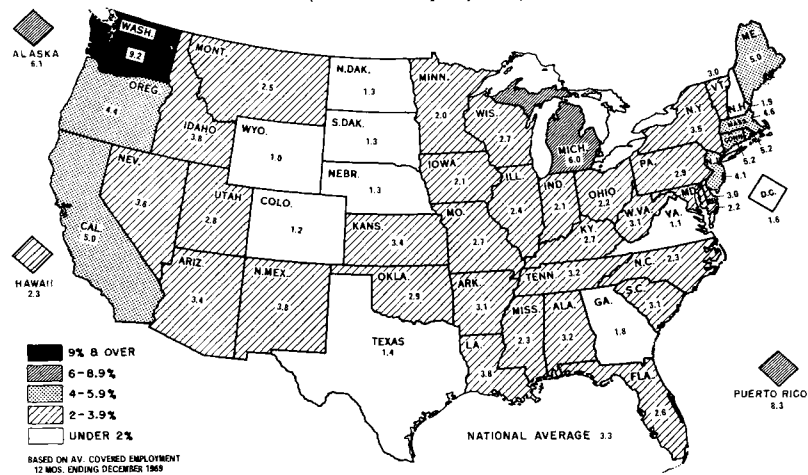


Chart 9.

STATE INSURED UNEMPLOYMENT RATES

Week ending July 18, 1970

(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

HOUSEHOLD DATA

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

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

(In thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
Persons 16 years of age and over											
1947.....	103,418	60,941	58.9	59,350	57,039	7,891	49,148	2,311	3.9	-	42,477
1948.....	104,527	62,080	59.4	60,621	58,344	7,629	50,713	2,276	3.8	-	42,447
1949.....	105,611	62,903	59.6	61,286	57,649	7,656	49,990	3,637	5.9	-	42,708
1950.....	106,645	63,858	59.9	62,208	58,920	7,160	51,760	3,288	5.3	-	42,787
1951.....	107,721	65,117	60.4	62,017	59,962	6,726	53,239	2,055	3.3	-	42,604
1952.....	108,823	65,730	60.4	62,138	60,254	6,501	53,753	1,883	3.0	-	43,093
1953.....	110,601	66,560	60.2	63,015	61,181	6,261	54,922	1,834	2.9	-	44,041
1954.....	111,671	66,993	60.0	63,643	60,110	6,206	53,903	3,532	5.5	-	44,678
1955.....	112,732	68,072	60.4	65,023	62,171	6,449	54,724	2,852	4.4	-	44,660
1956.....	113,811	69,409	61.0	66,552	63,802	6,283	57,517	2,750	4.1	-	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	-	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	-	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	-	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	-	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	-	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	-	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	-	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	-	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	-	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	-	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	-	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	-	53,291
1969.....	137,841	84,239	61.1	80,733	77,902	3,606	74,296	2,831	3.5	-	53,602
1969: July.....	137,935	86,318	62.6	82,797	79,616	4,155	75,460	3,182	3.8	3.6	51,617
October.....	138,539	85,038	61.4	81,510	78,671	3,561	75,110	2,839	3.5	3.8	53,501
November.....	138,732	84,920	61.2	81,427	78,716	3,322	75,395	2,710	3.3	3.5	53,812
December.....	138,928	84,856	61.1	81,416	78,788	2,984	75,805	2,628	3.2	3.5	54,072
1970: January.....	139,099	84,105	60.5	80,719	77,313	2,915	74,398	3,406	4.2	3.9	54,993
February.....	139,298	84,625	60.8	81,283	77,489	2,994	74,495	3,794	4.7	4.2	54,673
March.....	139,497	85,008	60.9	81,690	77,957	3,171	74,786	3,733	4.6	4.4	54,489
April.....	139,687	85,231	61.0	81,960	78,408	3,531	74,877	3,552	4.3	4.8	54,456
May.....	139,884	84,968	60.7	81,741	78,357	3,725	74,632	3,384	4.1	5.0	54,915
June.....	140,046	87,230	62.3	84,050	79,382	4,208	75,174	4,669	5.6	4.7	52,816
July.....	140,259	87,955	62.7	84,801	80,291	4,118	76,173	4,510	5.3	5.0	52,304

¹Not available.

HOUSEHOLD DATA

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

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
MALE											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,854	1,403	2.8	-	12,677
1969: July.....	66,395	55,501	83.6	52,020	50,412	3,322	47,090	1,608	3.1	3.0	10,894
1970: January.....	66,919	53,225	79.5	48,877	47,941	2,484	45,458	1,935	3.9	3.3	13,694
February.....	67,009	53,481	79.8	50,178	48,000	2,546	45,454	2,178	4.3	3.6	13,528
March.....	67,098	53,737	80.1	50,460	48,378	2,704	45,674	2,082	4.1	3.6	13,361
April.....	67,183	53,899	80.2	50,667	48,686	2,979	45,708	1,981	3.9	4.2	13,284
May.....	67,271	53,995	80.3	50,807	48,964	3,056	45,908	1,843	3.6	4.4	13,276
June.....	67,341	55,657	82.7	52,518	49,986	3,340	46,646	2,531	4.8	4.3	11,684
July.....	67,439	56,144	83.3	53,030	50,555	3,290	47,265	2,475	4.7	4.5	11,295
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
1969.....	71,476	30,551	42.7	30,512	29,084	643	28,441	1,428	4.7	-	40,924
1969: July.....	71,540	30,817	43.1	30,778	29,204	834	28,370	1,574	5.1	4.6	40,722
1970: January.....	72,180	30,881	42.8	30,843	29,372	432	28,940	1,471	4.8	4.8	41,299
February.....	72,289	31,143	43.1	31,105	29,489	448	29,041	1,616	5.2	5.1	41,146
March.....	72,398	31,270	43.2	31,230	29,579	467	29,112	1,651	5.3	5.7	41,128
April.....	72,504	31,332	43.2	31,293	29,722	553	29,169	1,571	5.0	5.7	41,172
May.....	72,613	30,974	42.7	30,934	29,393	669	28,724	1,541	5.0	5.9	41,639
June.....	72,705	31,572	43.4	31,533	29,295	867	28,528	2,137	6.8	5.5	41,133
July.....	72,820	31,810	43.7	31,771	29,736	828	28,908	2,035	6.4	5.9	41,009

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

July 1970
(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	56,144	83.3	53,030	50,555	2,475	4.7	11,295	231	845	1,735	8,483
16 to 21 years	8,893	80.5	7,559	6,501	1,057	14.0	2,159	8	538	58	1,556
16 to 19 years	5,714	75.8	5,329	4,522	807	15.2	1,826	7	382	38	1,399
16 and 17 years	2,629	67.7	2,603	2,184	418	16.1	1,253	5	220	18	1,010
18 and 19 years	3,084	84.3	2,727	2,338	389	14.3	573	2	162	20	389
20 to 64 years	48,267	93.2	45,536	43,934	1,611	3.5	3,542	75	463	1,081	1,923
20 to 24 years	7,858	92.1	6,184	5,656	528	8.5	670	2	303	49	317
25 to 54 years	33,291	96.0	32,238	31,332	907	2.8	1,396	37	159	592	606
25 to 29 years	6,548	96.2	6,158	5,928	230	3.7	262	-	95	51	115
30 to 34 years	5,455	97.4	5,199	5,048	151	2.9	144	2	29	43	69
35 to 39 years	5,252	97.4	5,014	4,901	113	2.3	141	7	16	55	62
40 to 44 years	5,543	96.3	5,442	5,310	132	2.4	216	8	4	121	84
45 to 49 years	5,580	95.4	5,533	5,375	157	2.8	271	11	12	138	111
50 to 54 years	4,914	93.1	4,894	4,770	124	2.5	362	10	2	184	166
55 to 64 years	7,117	82.8	7,113	6,947	167	2.3	1,476	35	2	439	1,000
55 to 59 years	4,216	89.3	4,213	4,098	115	2.7	504	14	-	209	282
60 to 64 years	2,901	74.9	2,901	2,849	52	1.8	972	22	1	230	718
65 years and over	2,164	26.8	2,164	2,099	66	3.0	5,927	149	-	617	5,161
65 to 69 years	1,271	41.3	1,271	1,222	49	3.9	1,804	39	-	178	1,586
70 years and over	893	17.8	893	877	16	1.8	4,123	110	-	439	3,575
White											
16 years and over	50,403	83.5	47,596	45,567	2,029	4.3	9,931	203	692	1,402	7,633
16 to 21 years	7,850	81.8	6,638	5,800	838	12.6	1,747	7	421	37	1,281
16 to 19 years	5,061	77.4	4,708	4,060	648	13.8	1,476	6	293	28	1,150
16 and 17 years	2,342	69.7	2,316	1,972	345	14.9	1,018	4	164	17	833
18 and 19 years	2,719	85.6	2,391	2,088	303	12.7	458	2	129	11	317
20 to 64 years	43,391	93.5	40,936	39,613	1,324	3.2	3,001	61	399	874	1,666
20 to 24 years	6,928	92.4	5,405	4,980	424	7.9	571	1	264	29	277
25 to 54 years	29,944	96.4	29,016	28,273	744	2.6	1,125	27	134	458	505
25 to 34 years	10,689	97.0	10,122	9,824	299	2.9	333	-	107	70	156
35 to 44 years	9,695	97.2	9,399	9,202	197	2.1	283	11	13	141	118
45 to 54 years	9,559	94.9	9,495	9,247	248	2.6	509	16	14	247	231
55 to 64 years	6,519	83.3	6,516	6,360	156	2.4	1,305	34	2	386	884
55 to 59 years	3,866	90.2	3,863	3,756	106	2.8	422	12	-	176	234
60 to 64 years	2,653	75.0	2,653	2,603	50	1.9	883	22	1	209	650
65 years and over	1,952	26.4	1,952	1,894	58	3.0	5,454	136	-	501	4,817
Negro and other races											
16 years and over	5,741	80.8	5,434	4,988	445	8.2	1,364	28	153	333	850
16 to 21 years	1,042	71.6	921	702	219	23.8	413	-	117	21	274
16 to 19 years	653	65.1	622	462	160	25.7	349	1	89	10	249
16 and 17 years	288	55.1	286	212	74	25.8	235	1	56	1	177
18 and 19 years	365	76.1	335	250	86	25.5	115	-	33	9	72
20 to 64 years	4,875	90.0	4,599	4,321	278	6.0	542	12	64	207	258
20 to 24 years	931	90.4	779	676	103	13.3	99	1	39	20	40
25 to 54 years	3,347	92.5	3,222	3,059	164	5.1	271	10	25	135	102
25 to 34 years	1,313	94.7	1,235	1,152	83	6.7	73	2	18	24	29
35 to 44 years	1,098	93.7	1,056	1,009	48	4.5	74	4	7	35	27
45 to 54 years	935	88.2	931	898	33	3.5	125	4	-	75	45
55 to 64 years	598	77.7	598	587	11	1.8	171	1	-	53	117
55 to 59 years	350	80.9	350	341	8	2.4	83	2	-	32	48
60 to 64 years	248	73.6	248	245	3	1.1	89	-	-	21	68
65 years and over	213	31.1	213	205	8	3.8	472	14	-	116	343

A- 3: Employment status of the noninstitutional population by sex, age, and color--Continued
 July 1970
 (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	31,810	43.7	31,771	29,736	2,035	6.4	41,009	35,736	942	933	3,397
16 to 21 years	6,232	57.4	6,213	5,370	843	13.6	4,628	2,091	697	33	1,807
16 to 19 years	4,050	54.8	4,041	3,397	644	15.9	3,340	1,140	548	18	1,634
16 and 17 years	1,763	46.4	1,763	1,441	323	18.3	2,039	461	313	5	1,260
18 and 19 years	2,287	63.7	2,278	1,956	321	14.1	1,301	678	235	13	374
20 to 64 years	26,744	49.1	26,714	25,363	1,351	5.1	27,771	25,924	388	331	1,128
20 to 24 years	4,980	58.7	4,962	4,540	422	8.5	3,497	2,915	247	35	300
25 to 54 years	17,664	48.6	17,652	16,833	819	4.6	18,717	17,790	133	185	608
25 to 29 years	3,025	43.8	3,021	2,833	188	6.2	3,883	3,689	62	16	117
30 to 34 years	2,499	43.2	2,497	2,327	170	6.8	3,282	3,133	27	23	99
35 to 39 years	2,630	47.0	2,629	2,511	117	4.5	2,972	2,864	19	15	75
40 to 44 years	3,116	51.3	3,114	3,001	113	3.6	2,958	2,811	11	29	106
45 to 49 years	3,395	54.0	3,393	3,252	141	4.2	2,894	2,748	7	40	99
50 to 54 years	2,998	52.4	2,997	2,908	90	3.0	2,729	2,545	7	64	113
55 to 64 years	4,101	42.5	4,100	3,991	110	2.7	5,557	5,218	7	111	220
55 to 59 years	2,527	48.6	2,527	2,460	67	2.7	2,678	2,500	2	57	120
60 to 64 years	1,573	35.3	1,573	1,530	43	2.7	2,879	2,718	6	55	100
65 years and over	1,016	9.3	1,016	976	40	4.0	9,898	8,673	6	584	635
65 to 69 years	623	16.7	623	588	35	5.6	3,097	2,885	2	65	144
70 years and over	394	5.5	394	389	5	1.3	6,801	5,788	4	518	491
White											
16 years and over	27,647	42.7	27,611	26,026	1,586	5.7	37,046	32,536	761	717	3,032
16 to 21 years	5,451	58.3	5,434	4,821	613	11.3	3,902	1,750	548	23	1,580
16 to 19 years	3,556	55.9	3,548	3,079	469	13.2	2,802	945	425	13	1,419
16 and 17 years	1,543	47.2	1,543	1,300	243	15.8	1,723	385	232	2	1,104
18 and 19 years	2,013	65.1	2,004	1,779	226	11.3	1,078	560	193	11	314
20 to 64 years	23,178	48.1	23,151	22,074	1,077	4.7	25,099	23,496	330	245	1,028
20 to 24 years	4,333	58.7	4,316	3,995	321	7.4	3,051	2,539	210	25	277
25 to 54 years	15,165	47.2	15,154	14,496	658	4.3	16,963	16,179	113	126	544
25 to 29 years	4,625	41.6	4,619	4,354	265	5.7	6,486	6,185	74	28	199
30 to 34 years	4,908	47.9	4,905	4,702	203	4.1	5,340	5,122	27	31	161
35 to 44 years	5,631	52.3	5,630	5,440	190	3.4	5,136	4,872	13	67	185
55 to 64 years	3,682	42.0	3,681	3,584	97	2.6	5,086	4,779	7	93	207
55 to 59 years	2,258	48.0	2,258	2,197	61	2.7	2,445	2,284	1	48	112
60 to 64 years	1,423	35.0	1,423	1,386	37	2.6	2,641	2,495	6	46	94
65 years and over	913	9.1	913	873	40	4.4	9,145	8,095	6	459	585
Negro and other races											
16 years and over	4,163	51.2	4,160	3,710	450	10.8	3,963	3,200	181	217	366
16 to 21 years	780	51.8	778	549	229	29.5	726	341	149	9	227
16 to 19 years	494	47.9	493	318	175	35.5	538	195	124	5	215
16 and 17 years	220	41.1	220	141	80	36.1	315	76	81	3	155
18 and 19 years	274	55.1	273	178	95	35.0	223	119	43	2	60
20 to 64 years	3,565	57.2	3,563	3,289	275	7.7	2,672	2,426	58	86	101
20 to 24 years	647	59.2	645	544	101	15.6	446	376	37	10	23
25 to 54 years	2,499	58.7	2,498	2,337	161	6.4	1,755	1,612	20	59	64
25 to 29 years	900	57.0	899	806	93	10.3	679	636	15	10	17
30 to 34 years	838	58.7	838	811	27	3.3	589	553	3	12	20
35 to 44 years	761	61.0	761	720	41	5.4	486	422	1	36	27
55 to 64 years	419	47.1	419	407	12	3.0	471	439	1	18	14
55 to 59 years	269	53.6	269	263	6	2.3	233	215	1	9	8
60 to 64 years	150	38.7	150	144	6	4.2	238	223	--	9	6
65 years and over	104	12.1	104	103	--	.4	753	579	--	125	50

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	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
MALE								
16 years and over	56,144	55,501	83.3	83.6	53,030	52,020	82.4	82.7
16 to 19 years	5,714	5,643	75.8	77.0	5,329	5,228	74.5	75.6
16 and 17 years	2,629	2,619	67.7	69.4	2,603	2,589	67.5	69.1
18 and 19 years	3,084	3,024	84.3	85.0	2,727	2,640	82.6	83.2
20 to 24 years	7,858	7,546	92.1	92.3	6,184	5,737	90.2	90.1
25 to 54 years	33,291	33,091	96.0	96.2	32,238	31,838	95.8	96.0
25 to 34 years	12,002	11,756	96.7	97.3	11,358	10,983	96.6	97.1
35 to 44 years	10,794	10,923	96.8	96.9	10,455	10,531	96.7	96.7
45 to 54 years	10,494	10,413	94.3	94.3	10,426	10,324	94.3	94.2
55 to 64 years	7,117	7,044	82.8	83.0	7,113	7,040	82.8	83.0
55 to 59 years	4,216	4,182	89.3	89.7	4,213	4,178	89.3	89.7
60 to 64 years	2,901	2,862	74.9	74.9	2,901	2,861	74.9	74.9
65 years and over	2,164	2,177	26.8	27.2	2,164	2,177	26.8	27.2
White								
16 years and over	50,403	49,892	83.5	83.9	47,596	46,783	82.7	83.0
16 to 19 years	5,061	4,955	77.4	77.9	4,708	4,586	76.1	76.5
16 and 17 years	2,342	2,303	69.7	70.3	2,316	2,277	69.5	70.1
18 and 19 years	2,719	2,652	85.6	85.9	2,391	2,309	83.9	84.1
20 to 24 years	6,928	6,663	92.4	92.4	5,405	5,033	90.4	90.2
25 to 54 years	29,944	29,834	96.4	96.7	29,016	28,729	96.3	96.6
25 to 34 years	10,689	10,487	97.0	97.6	10,122	9,813	96.8	97.4
35 to 44 years	9,696	9,855	97.2	97.5	9,399	9,507	97.1	97.5
45 to 54 years	9,559	9,492	94.9	95.0	9,495	9,409	94.9	94.9
55 to 64 years	6,519	6,440	83.3	83.4	6,516	6,436	83.3	83.4
55 to 59 years	3,866	3,828	90.2	90.3	3,863	3,824	90.2	90.3
60 to 64 years	2,653	2,613	75.0	74.9	2,653	2,612	75.0	74.9
65 years and over	1,952	1,999	26.4	27.3	1,952	1,999	26.4	27.3
Negro and other races								
16 years and over	5,741	5,609	80.8	81.0	5,434	5,236	79.9	79.9
16 to 19 years	653	688	65.1	71.0	622	642	64.0	69.5
16 and 17 years	288	316	55.1	63.3	286	312	54.9	63.0
18 and 19 years	365	373	76.1	79.1	335	330	74.5	77.1
20 to 24 years	931	883	90.4	91.2	779	704	88.7	89.2
25 to 54 years	3,347	3,258	92.5	91.6	3,222	3,110	92.2	91.3
25 to 34 years	1,313	1,269	94.7	95.0	1,235	1,171	94.4	94.6
35 to 44 years	1,098	1,068	93.7	91.0	1,056	1,024	93.5	90.6
45 to 54 years	935	921	88.2	88.0	931	915	88.2	87.9
55 to 64 years	598	603	77.7	79.2	598	603	77.7	79.2
55 to 59 years	350	354	80.9	83.0	350	354	80.9	83.0
60 to 64 years	248	249	73.6	74.4	248	249	73.6	74.4
65 years and over	213	178	31.1	26.4	213	178	31.1	26.4

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

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
FEMALE								
16 years and over	31,810	30,817	43.7	43.1	31,771	30,778	43.7	43.0
16 to 19 years	4,050	4,003	54.8	55.8	4,041	3,993	54.7	55.7
16 and 17 years	1,763	1,733	46.4	47.0	1,763	1,733	46.4	47.0
18 and 19 years	2,287	2,269	63.7	65.0	2,278	2,260	63.6	65.0
20 to 24 years	4,980	4,675	58.7	57.4	4,962	4,657	58.7	57.3
25 to 54 years	17,664	17,066	48.6	47.3	17,652	17,054	48.6	47.3
25 to 34 years	5,525	5,179	43.5	41.9	5,518	5,172	43.5	41.9
35 to 44 years	5,746	5,707	49.2	48.3	5,743	5,703	49.2	48.3
45 to 54 years	6,393	6,180	53.2	52.0	6,391	6,178	53.2	52.0
55 to 64 years	4,101	4,067	42.5	42.9	4,100	4,067	42.5	42.9
55 to 59 years	2,527	2,568	48.6	50.2	2,527	2,568	48.5	50.2
60 to 64 years	1,573	1,499	35.3	34.4	1,573	1,499	35.3	34.4
65 years and over	1,016	1,007	9.3	9.4	1,016	1,007	9.3	9.4
White								
16 years and over	27,647	26,783	42.7	42.1	27,611	26,748	42.7	42.0
16 to 19 years	3,556	3,535	55.9	57.2	3,548	3,527	55.9	57.1
16 and 17 years	1,543	1,515	47.2	47.7	1,543	1,514	47.2	47.7
18 and 19 years	2,013	2,021	65.1	67.3	2,004	2,012	65.0	67.2
20 to 24 years	4,333	4,072	58.7	57.2	4,316	4,056	58.6	57.1
25 to 54 years	15,165	14,609	47.2	45.8	15,154	14,598	47.2	45.8
25 to 34 years	4,625	4,304	41.6	39.7	4,619	4,299	41.6	39.7
35 to 44 years	4,908	4,866	47.9	46.8	4,905	4,863	47.9	46.8
45 to 54 years	5,631	5,438	52.3	51.0	5,630	5,437	52.3	51.0
55 to 64 years	3,682	3,662	42.0	42.5	3,681	3,662	42.0	42.5
55 to 59 years	2,258	2,301	48.0	49.7	2,258	2,301	48.0	49.7
60 to 64 years	1,423	1,361	35.0	34.2	1,423	1,361	35.0	34.2
65 years and over	913	905	9.1	9.2	913	905	9.1	9.2
Negro and other races								
16 years and over	4,163	4,034	51.2	51.1	4,160	4,030	51.2	51.1
16 to 19 years	494	468	47.9	47.0	493	467	47.8	46.9
16 and 17 years	220	219	41.1	43.0	220	219	41.1	43.0
18 and 19 years	274	249	55.1	51.2	273	248	55.0	51.1
20 to 24 years	647	603	59.2	58.7	645	601	59.1	58.6
25 to 54 years	2,499	2,457	58.7	58.9	2,498	2,456	58.7	58.9
25 to 34 years	900	874	57.0	57.4	899	874	57.0	57.4
35 to 44 years	838	841	58.7	59.0	838	840	58.7	59.0
45 to 54 years	761	742	61.0	60.7	761	742	61.0	60.7
55 to 64 years	419	405	47.1	46.6	419	405	47.1	46.6
55 to 59 years	269	267	53.6	54.7	269	267	53.6	54.7
60 to 64 years	150	137	38.7	36.3	150	137	38.7	36.3
65 years and over	104	102	12.1	12.3	104	102	12.1	12.3

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex
July 1970
(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	21,911	11,052	10,859	18,950	9,597	9,353	2,962	1,455	1,506
Total labor force	15,124	8,893	6,232	13,301	7,850	5,451	1,823	1,042	780
Percent of population	69.0	80.5	57.4	70.2	81.8	58.3	61.6	71.6	51.8
Civilian labor force	13,771	7,559	6,213	12,072	6,638	5,434	1,699	921	778
Employed	11,871	6,501	5,370	10,621	5,800	4,821	1,251	702	549
Agriculture	780	641	140	677	567	110	103	74	30
Nonagricultural industries	11,091	5,860	5,230	9,944	5,233	4,711	1,147	628	519
Unemployed	1,900	1,057	843	1,451	838	613	449	219	229
Percent of labor force	13.8	14.0	13.6	12.0	12.6	11.3	26.4	23.8	29.5
Looking for full-time work	1,458	804	654	1,100	636	465	358	168	189
Looking for part-time work	442	254	188	351	202	148	91	51	40
Not in labor force	6,787	2,159	4,628	5,648	1,747	3,902	1,139	413	726
Major activity: going to school									
Civilian labor force	349	195	154	277	154	124	72	41	31
Employed	240	114	126	204	96	108	37	18	18
Agriculture	8	8	--	6	7	--	2	1	1
Nonagricultural industries	232	106	126	197	89	108	35	17	18
Unemployed	109	81	28	74	58	16	35	23	12
Percent of labor force	31.2	41.4	18.2	26.6	37.6	12.8	48.9	55.2	40.3
Looking for full-time work	40	32	8	30	27	3	10	5	5
Looking for part-time work	69	49	20	43	31	13	25	18	7
Not in labor force	1,235	538	697	970	421	548	266	117	149
Major activity: other									
Civilian labor force	13,422	7,364	6,058	11,795	6,484	5,311	1,628	880	748
Employed	11,631	6,387	5,244	10,417	5,704	4,713	1,214	683	531
Agriculture	772	633	139	671	560	110	101	72	29
Nonagricultural industries	10,859	5,754	5,105	9,746	5,144	4,603	1,113	611	502
Unemployed	1,791	977	814	1,378	780	597	414	197	217
Percent of labor force	13.3	13.3	13.4	11.7	12.0	11.2	25.4	22.3	29.0
Looking for full-time work	1,418	772	646	1,070	609	461	348	163	184
Looking for part-time work	373	205	168	307	172	136	66	33	33
Not in labor force	5,552	1,621	3,931	4,679	1,325	3,353	873	296	577

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	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
	Total							
Total noninstitutional population	140,259	137,935	59,899	59,063	65,429	64,365	14,930	14,507
Total labor force	87,955	86,318	50,431	49,858	27,760	26,814	9,764	9,646
Percent of population	62.7	62.6	84.2	84.4	42.4	41.7	65.4	66.5
Civilian labor force	84,801	82,797	47,700	46,791	27,730	26,784	9,370	9,222
Employed	80,291	79,616	46,033	45,846	26,339	25,798	7,919	7,972
Agriculture	4,118	4,155	2,759	2,815	713	715	646	625
Nonagricultural industries	76,173	75,460	43,274	43,031	25,626	25,082	7,273	7,346
Unemployed	4,510	3,182	1,667	945	1,391	987	1,451	1,250
Percent of labor force	5.3	3.8	3.5	2.0	5.0	2.7	15.5	13.6
Not in labor force	52,304	51,617	9,469	9,205	37,669	37,550	5,166	4,861
White								
Total noninstitutional population	125,027	123,115	53,797	53,105	58,335	57,467	12,895	12,542
Total labor force	78,050	76,675	45,343	44,937	24,091	23,248	8,617	8,490
Percent of population	62.4	62.3	84.3	84.6	41.3	40.5	66.8	67.7
Civilian labor force	75,208	73,531	42,888	42,197	24,064	23,221	8,255	8,113
Employed	71,593	71,045	41,507	41,422	22,947	22,484	7,139	7,139
Agriculture	3,639	3,653	2,469	2,519	612	606	557	528
Nonagricultural industries	67,954	67,392	39,038	38,903	22,335	21,878	6,581	6,611
Unemployed	3,615	2,487	1,382	775	1,117	737	1,117	974
Percent of labor force	4.8	3.4	3.2	1.8	4.6	3.2	13.5	12.0
Not in labor force	46,977	46,440	8,455	8,168	34,244	34,219	4,278	4,052
Negro and other races								
Total noninstitutional population	15,232	14,820	6,102	5,958	7,094	6,897	2,035	1,965
Total labor force	9,905	9,644	5,088	4,921	3,669	3,566	1,147	1,156
Percent of population	65.0	65.1	83.4	82.6	51.7	51.7	56.4	58.8
Civilian labor force	9,593	9,266	4,812	4,594	3,667	3,563	1,115	1,109
Employed	8,698	8,571	4,526	4,424	3,392	3,313	780	833
Agriculture	479	503	291	296	101	109	88	98
Nonagricultural industries	8,219	8,068	4,236	4,128	3,291	3,204	692	735
Unemployed	895	695	286	170	275	250	335	276
Percent of labor force	9.3	7.5	5.9	3.7	7.5	7.0	30.0	24.8
Not in labor force	5,327	5,177	1,014	1,037	3,425	3,331	888	809

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

July 1970
(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	74,884	68,044	3,088	3,753	5.0	9,917	9,159	757	7.6
16 to 21 years	10,953	8,248	1,247	1,458	13.3	2,818	2,376	442	15.7
16 to 19 years	7,016	4,897	1,053	1,066	15.2	2,354	1,969	386	16.4
16 and 17 years	2,810	1,692	647	471	16.8	1,556	1,285	271	17.4
18 and 19 years	4,206	3,205	406	595	14.1	798	683	115	14.4
20 years and over	67,868	63,147	2,035	2,687	4.0	7,562	7,191	372	4.9
20 to 24 years	10,072	8,797	430	845	8.4	1,074	969	105	9.7
25 years and over	57,796	54,350	1,605	1,842	3.2	6,488	6,222	267	4.1
25 to 54 years	45,831	43,105	1,181	1,545	3.4	4,060	3,878	182	4.5
55 years and over	11,966	11,245	424	298	2.5	2,428	2,343	85	3.5
MALE									
16 years and over	49,810	45,947	1,735	2,128	4.3	3,220	2,873	347	10.8
16 to 21 years	6,209	4,677	728	804	12.9	1,349	1,096	254	18.8
16 to 19 years	4,165	2,964	620	581	14.0	1,164	938	226	19.4
20 years and over	45,644	42,982	1,115	1,547	3.4	2,056	1,936	121	5.9
20 to 24 years	5,769	5,029	256	483	8.4	415	371	44	10.7
25 years and over	39,875	37,953	859	1,064	2.7	1,641	1,565	77	4.7
25 to 54 years	31,696	30,206	620	868	2.7	544	505	39	7.2
55 years and over	8,180	7,747	238	195	2.4	1,098	1,061	37	3.4
FEMALE									
16 years and over	25,075	22,097	1,353	1,625	6.5	6,697	6,286	410	6.1
16 to 21 years	4,744	3,571	519	654	13.8	1,468	1,280	188	12.8
16 to 19 years	2,850	1,933	433	485	17.0	1,190	1,031	159	13.4
20 years and over	22,224	20,164	920	1,140	5.1	5,506	5,255	251	4.6
20 to 24 years	4,303	3,768	173	362	8.4	659	598	60	9.1
25 years and over	17,921	16,396	747	778	4.3	4,847	4,657	191	3.9
25 to 54 years	14,135	12,899	561	676	4.8	3,517	3,373	143	4.1
55 years and over	3,786	3,498	186	102	2.7	1,331	1,283	48	3.6

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

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
Total, 16 years and over	2,475	1,608	4.7	3.1	2,035	1,574	6.4	5.1
16 to 19 years	807	663	15.2	12.7	644	587	15.9	14.7
16 and 17 years	418	394	16.1	15.2	323	310	18.3	17.9
18 and 19 years	389	268	14.3	10.2	321	277	14.1	12.3
20 years and over	1,667	945	3.5	2.0	1,391	987	5.0	3.7
20 to 24 years	528	285	8.5	5.0	422	309	8.5	6.6
25 years and over	1,140	660	2.7	1.6	969	678	4.3	3.1
25 to 34 years	382	195	3.4	1.8	358	236	6.5	4.6
35 to 44 years	245	150	2.3	1.4	230	188	4.0	3.3
45 to 54 years	281	156	2.7	1.5	231	142	3.6	2.3
55 to 64 years	167	110	2.3	1.6	110	93	2.7	2.3
55 to 59 years	115	67	2.7	1.6	67	55	2.7	2.1
60 to 64 years	52	43	1.8	1.5	43	38	2.7	2.5
65 years and over	66	49	3.0	2.3	40	18	4.0	1.8
Household head, 16 years and over	1,100	666	2.6	1.6	310	215	4.9	3.4
16 to 24 years	164	100	4.8	3.2	61	24	9.5	3.8
25 to 54 years	717	415	2.4	1.4	180	140	5.0	4.0
55 years and over	217	151	2.4	1.7	70	52	3.3	2.3

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	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
Total, 16 years and over	2,475	1,608	4.7	3.1	2,035	1,574	6.4	5.1
Married, spouse present	959	551	2.5	1.4	895	657	5.0	3.9
Widowed, divorced, or separated	205	122	7.2	4.6	350	217	6.1	3.9
Single (never married)	1,311	935	11.7	8.8	790	699	9.8	8.6
Total, 20 to 64 years of age	1,601	896	3.5	2.0	1,351	969	5.1	3.8
Married, spouse present	894	487	2.4	1.3	809	593	4.7	3.6
Widowed, divorced, or separated	186	114	7.4	4.8	309	190	6.1	3.9
Single (never married)	521	295	8.6	5.3	232	185	5.3	4.2
White, 16 years and over	2,029	1,281	4.3	2.7	1,586	1,206	5.7	4.5
Married, spouse present	822	462	2.3	1.3	755	524	4.7	3.5
Widowed, divorced, or separated	163	93	7.1	4.4	255	151	5.6	3.4
Single (never married)	1,044	725	10.6	7.8	576	531	8.2	7.5
White, 20 to 64 years of age	1,324	732	3.2	1.8	1,077	719	4.7	3.2
Married, spouse present	763	402	2.3	1.2	688	465	4.5	3.2
Widowed, divorced, or separated	145	89	7.2	4.8	219	126	5.5	3.2
Single (never married)	415	241	7.9	5.0	170	128	4.5	3.4
Negro and other races, 16 years and over	445	327	8.2	6.2	450	368	10.8	9.1
Married, spouse present	137	88	4.0	2.6	140	134	7.3	7.0
Widowed, divorced, or separated	42	29	7.3	5.1	95	66	7.9	6.0
Single (never married)	267	210	18.6	16.1	215	168	20.8	16.5
Negro and other races, 20 to 64 years of age	278	164	6.0	3.7	275	250	7.7	7.2
Married, spouse present	131	85	4.0	2.6	122	128	6.6	6.9
Widowed, divorced, or separated	41	25	8.3	4.9	90	64	8.1	6.3
Single (never married)	106	54	12.8	8.0	63	57	10.7	9.5

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
Total.....	4,510	3,182	5.3	3.8	4.7	3.1	6.4	5.1
White-collar workers.....	1,195	800	3.1	2.1	2.2	1.3	4.0	3.0
Professional and technical.....	280	170	2.5	1.6	2.2	1.3	3.1	2.3
Managers, officials, and proprietors.....	114	57	1.3	.7	1.2	.5	2.3	1.7
Clerical workers.....	611	426	4.2	3.0	3.7	2.3	4.4	3.3
Sales workers.....	191	148	3.8	3.0	3.0	2.2	4.8	4.0
Blue-collar workers.....	1,915	1,112	6.2	3.6	5.5	3.1	9.9	6.2
Craftsmen and foremen.....	357	156	3.3	1.5	3.3	1.4	4.3	2.5
Carpenters and other construction craftsmen.....	147	59	4.7	1.9	4.7	1.9	(1)	(1)
All other.....	210	97	2.7	1.3	2.7	1.2	4.2	2.4
Operatives.....	1,138	675	7.5	4.4	6.3	3.5	10.1	6.3
Drivers and deliverymen.....	112	63	4.3	2.4	4.1	2.3	(1)	(1)
All other.....	1,026	612	8.1	4.8	7.0	3.9	10.1	6.3
Nonfarm laborers.....	420	281	8.8	6.2	8.6	6.1	14.6	11.1
Construction laborers.....	143	87	12.6	7.8	12.7	7.9	--	--
All other.....	277	194	7.6	5.7	7.2	5.5	15.4	11.3
Service workers.....	559	442	5.4	4.4	6.0	4.5	5.0	4.3
Private household.....	78	71	5.1	4.5	3.1	3.5	5.2	4.5
All other.....	481	371	5.4	4.4	6.1	4.5	5.0	4.2
Farmers and farm laborers.....	85	93	2.2	2.4	2.1	2.2	2.4	3.0
No previous work experience.....	756	734	--	--	--	--	--	--
16 to 19 years.....	638	627	--	--	--	--	--	--
20 to 24 years.....	80	71	--	--	--	--	--	--
25 years and over.....	38	36	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
Total.....	100.0	100.0	5.3	3.8	4.7	3.1	6.4	5.1
Private wage and salary workers.....	73.6	64.1	5.4	3.4	5.0	2.8	6.1	4.3
Mining.....	.2	.1	1.6	.6	1.6	.3	(1)	(1)
Construction.....	7.2	5.1	7.7	4.0	7.8	4.2	4.6	1.1
Manufacturing.....	28.9	21.9	6.0	3.2	4.9	2.5	8.7	4.7
Durable goods.....	17.3	13.2	6.1	3.2	5.5	2.8	8.4	4.7
Primary metal industries.....	1.2	.8	4.1	1.7	3.9	1.5	6.2	3.5
Fabricated metal products.....	2.1	2.1	5.4	3.7	4.8	2.8	8.0	7.0
Machinery.....	2.4	1.5	4.6	2.1	4.2	1.6	6.2	4.2
Electrical equipment.....	2.9	1.9	6.2	2.8	4.3	2.7	9.2	3.0
Motor vehicles and equipment.....	2.8	2.4	10.8	6.4	10.6	6.2	12.4	7.5
All other transportation equipment.....	2.4	1.9	8.5	4.9	8.3	5.2	10.3	3.3
Other durable goods industries.....	3.5	2.6	5.7	2.9	4.9	1.8	8.1	5.8
Nondurable goods.....	11.6	8.7	5.8	3.1	3.8	2.0	8.9	4.7
Food and kindred products.....	2.9	1.9	6.8	3.1	4.7	2.7	12.9	4.4
Textile mill products.....	1.8	1.5	7.3	4.3	2.7	2.1	12.2	6.9
Apparel and other finished textile products.....	2.8	2.4	8.7	5.4	8.0	4.5	8.9	5.5
Other nondurable goods industries.....	4.2	3.0	4.1	2.0	3.2	1.5	6.2	3.2
Transportation and public utilities.....	3.6	2.8	3.4	2.0	3.3	1.4	3.7	4.1
Railroads and railway express.....	.3	.4	1.8	2.0	1.9	2.1	(1)	(1)
Other transportation.....	2.3	1.3	5.1	2.2	5.2	1.8	4.9	4.0
Communication and other public utilities.....	1.0	1.1	2.3	1.8	1.5	.4	3.5	4.4
Wholesale and retail trade.....	16.7	17.3	5.4	4.2	4.8	3.7	6.3	4.8
Finance, insurance, and real estate.....	3.0	2.4	3.5	2.1	3.4	1.4	3.6	2.8
Service industries.....	14.1	14.5	5.0	3.8	5.0	3.4	5.0	4.1
Professional services.....	4.9	4.9	3.6	2.8	4.2	2.6	3.4	2.9
All other service industries.....	9.3	9.6	6.2	4.7	5.6	3.9	6.6	5.2
Agricultural wage and salary workers.....	2.3	3.3	6.6	6.8	6.2	5.5	8.4	12.5
All other classes of workers.....	7.3	9.5	1.6	1.5	1.2	1.1	2.3	2.1
No previous work experience.....	16.8	23.1	--	--	--	--	--	--

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

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

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Negro and other races	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
Unemployment level												
Total unemployed, in thousands	4,510	3,182	1,667	945	1,391	987	1,451	1,250	3,615	2,487	895	695
Lost last job	1,778	979	1,013	534	574	307	191	138	1,456	760	321	219
Left last job	635	459	230	170	256	184	149	105	517	385	117	74
Reentered labor force	1,342	1,010	368	195	500	434	474	380	1,065	784	277	226
Never worked before	756	734	56	46	62	62	638	627	576	558	180	176
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	39.5	30.8	60.7	56.5	41.2	31.1	13.2	11.1	40.3	30.6	35.9	31.5
Left last job	14.1	14.4	13.8	18.0	18.4	18.6	10.2	8.4	14.3	15.5	13.1	10.7
Reentered labor force	29.8	31.7	22.1	20.7	35.9	44.0	32.7	30.4	29.5	31.5	30.9	32.5
Never worked before	16.8	23.1	3.4	4.8	4.5	6.3	43.9	50.1	15.9	22.4	20.1	25.3
Unemployment rate												
Total unemployment rate	5.3	3.8	3.5	2.0	5.0	3.7	15.5	13.6	4.8	3.4	9.3	7.5
Job-loser rate ¹	2.1	1.1	2.2	1.1	2.1	1.2	2.0	1.5	2.0	1.0	3.3	2.4
Job-leaver rate ¹ . . . . .	.7	.6	.5	.4	.9	.7	1.6	1.1	.7	.5	1.2	.8
Reentrant rate ¹	1.6	1.2	.8	.4	1.8	1.6	5.1	4.1	1.4	1.1	2.9	2.4
New entrant rate ¹ . . . . .	.9	.9	.1	.1	.2	.2	6.8	6.8	.8	.8	1.9	1.9

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

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

July 1970
(Percent distribution)

Reason, sex, and age	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	4,510	100.0	51.3	35.4	13.3	7.6	5.7
Lost last job	1,778	100.0	48.1	31.2	20.7	12.2	8.5
Left last job	635	100.0	61.7	26.3	12.0	6.3	5.7
Reentered labor force	1,342	100.0	53.1	37.5	9.4	4.7	4.7
Never worked before	756	100.0	46.7	49.2	4.1	2.9	1.2
Male, 20 years and over	1,667	100.0	48.1	32.0	20.0	10.0	10.0
Lost last job	1,013	100.0	47.0	31.2	21.9	11.3	10.6
Left last job	230	100.0	53.0	30.0	17.0	7.4	9.6
Reentered labor force	368	100.0	48.6	35.3	16.0	6.8	9.2
Never worked before	56	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,391	100.0	52.7	31.2	16.1	10.1	6.0
Lost last job	574	100.0	43.6	32.5	24.0	16.1	7.9
Left last job	256	100.0	63.7	24.2	12.1	7.0	5.1
Reentered labor force	500	100.0	57.0	32.4	10.6	5.4	5.2
Never worked before	62	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years	1,451	100.0	53.7	43.4	2.9	2.3	.6
Lost last job	191	100.0	66.2	28.2	5.6	5.6	--
Left last job	149	100.0	71.3	24.0	4.6	4.0	.6
Reentered labor force	474	100.0	52.2	44.6	3.1	2.3	.8
Never worked before	638	100.0	46.4	51.7	1.8	.9	.9

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

A-14: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
Total.....	4,510	3,182	100.0	100.0	1,410	881	100.0	100.0
Less than 5 weeks.....	2,313	1,858	51.3	58.4	700	503	49.6	57.1
5 to 14 weeks.....	1,597	986	35.4	31.0	427	241	30.3	27.4
5 to 10 weeks.....	1,314	838	29.1	26.3	306	169	21.7	19.2
11 to 14 weeks.....	283	148	6.3	4.7	120	72	8.5	8.2
15 weeks and over.....	599	337	13.3	10.6	284	137	20.1	15.5
15 to 26 weeks.....	341	159	7.6	5.0	143	51	10.1	5.8
27 weeks and over.....	258	179	5.7	5.6	141	86	10.0	9.8
Average (mean) duration.....	8.4	7.4	--	--	10.4	9.4	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status
July 1970

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	July 1970	July 1969	July 1970	July 1969
Total	4,510	2,313	1,597	341	258	51.3	58.4	13.3	10.6
16 to 21 years.....	1,900	1,024	783	69	24	53.9	60.8	4.9	5.2
16 to 19 years.....	1,451	780	631	33	8	53.7	58.8	2.8	4.2
20 to 24 years.....	950	507	340	66	36	53.4	64.1	10.7	11.3
25 to 44 years.....	1,215	629	355	119	112	51.8	59.8	19.0	11.8
45 years and over.....	895	397	271	124	103	44.4	49.6	25.4	22.3
Male	2,475	1,225	891	184	175	49.5	60.1	14.5	10.1
16 to 21 years.....	1,057	567	431	40	19	53.6	64.7	5.6	3.8
16 to 19 years.....	807	424	358	18	8	52.5	64.0	3.2	2.5
20 to 24 years.....	528	281	186	40	21	53.2	61.5	11.5	11.6
25 to 44 years.....	627	321	184	52	69	51.2	63.2	19.3	11.3
45 years and over.....	514	200	163	75	76	38.9	47.3	29.4	23.1
Female	2,035	1,088	707	156	84	53.5	56.6	11.8	11.1
16 to 21 years.....	843	457	352	29	4	54.3	56.7	4.0	6.8
16 to 19 years.....	644	356	273	15	--	55.3	53.0	2.3	6.0
20 to 24 years.....	422	227	154	26	15	53.7	66.6	9.7	11.1
25 to 44 years.....	588	309	172	67	41	52.6	57.1	18.4	12.0
45 years and over.....	381	197	108	49	27	51.7	52.6	20.0	21.4
White: Total.....	3,615	1,869	1,256	287	203	51.7	58.7	13.6	10.9
Male.....	2,029	1,002	729	151	147	49.4	60.0	14.7	10.2
Female.....	1,586	867	527	136	56	54.7	57.3	12.1	11.8
Negro and other races: Total.....	895	445	341	53	56	49.7	57.3	12.2	9.4
Male.....	445	223	161	33	28	50.1	60.6	13.7	9.9
Female.....	450	222	180	20	28	49.3	54.3	10.7	9.0
Male: Married, wife present.....	959	455	315	97	92	47.4	56.3	19.7	16.5
Widowed, divorced, or separated.....	205	88	67	27	23	42.9	55.7	24.5	19.7
Single (never married).....	1,311	682	509	60	60	52.0	63.0	9.1	5.1
Female: Married, husband present.....	895	488	270	90	46	54.5	59.0	15.3	15.5
Widowed, divorced, or separated.....	350	203	95	30	22	58.0	62.2	14.7	10.8
Single (never married).....	790	398	341	36	16	50.3	52.6	6.6	7.1

A-16: Unemployed persons by duration, occupation, and industry of last job
July 1970

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	July	July	July	July
						1970	1969	1970	1969
OCCUPATION									
White-collar workers	1,195	581	422	111	82	48.6	53.3	16.1	14.2
Professional and managerial	394	186	132	38	37	47.2	55.1	19.0	15.9
Clerical workers	611	310	221	50	31	50.7	55.9	13.2	12.2
Sales workers	191	85	70	14	14	44.4	43.3	19.0	17.3
Blue-collar workers	1,915	998	596	174	148	52.1	61.9	16.8	13.4
Craftsmen and foremen	357	178	113	33	33	49.8	55.8	18.5	15.9
Operatives	1,138	588	356	115	80	51.6	58.4	17.1	16.0
Nonfarm laborers	420	232	127	26	34	55.3	73.9	14.4	5.9
Service workers	559	320	191	32	16	57.4	57.4	8.5	9.1
INDUSTRY¹									
Agriculture	104	74	20	6	4	71.7	76.4	9.2	3.8
Construction	335	174	95	36	31	51.9	65.2	19.8	9.5
Manufacturing	1,301	635	430	137	100	48.8	60.6	18.2	15.7
Durable goods	780	338	284	93	65	43.3	62.9	20.3	15.4
Nondurable goods	522	297	146	44	35	56.9	57.2	15.1	16.2
Transportation and public utilities	170	93	61	7	8	55.1	(2)	8.7	(2)
Wholesale and retail trade	758	394	273	58	34	51.9	55.1	12.1	10.7
Finance and service industries	942	507	302	73	61	53.8	58.2	14.2	10.4
Public administration	85	43	31	2	9	(2)	(2)	(2)	(2)
No previous work experience	756	354	372	22	9	46.8	56.4	4.1	4.5

¹Includes wage and salary workers only.

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

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

Age and type of industry	Total		Male		Female	
	July	July	July	July	July	July
	1970	1969	1970	1969	1970	1969
All industries	80,291	79,616	50,555	50,412	29,736	29,204
16 to 19 years	7,919	7,972	4,522	4,566	3,397	3,406
16 and 17 years	3,625	3,618	2,184	2,194	1,441	1,423
18 and 19 years	4,294	4,354	2,338	2,371	1,956	1,982
20 to 24 years	10,196	9,800	5,656	5,452	4,540	4,348
25 to 34 years	48,164	47,825	31,332	31,337	16,833	16,488
25 to 34 years	16,136	15,724	10,976	10,788	5,160	4,936
35 to 44 years	15,723	15,896	10,210	10,381	5,513	5,515
45 to 54 years	16,305	16,204	10,145	10,167	6,160	6,036
55 to 64 years	10,937	10,903	6,947	6,929	3,991	3,974
55 to 59 years	6,558	6,625	4,098	4,112	2,460	2,513
60 to 64 years	4,379	4,278	2,849	2,818	1,530	1,461
65 years and over	3,075	3,116	2,099	2,128	976	989
Nonagricultural industries	76,173	75,460	47,265	47,090	28,908	28,370
16 to 19 years	7,273	7,346	3,991	4,059	3,282	3,288
16 and 17 years	3,205	3,199	1,843	1,860	1,362	1,339
18 and 19 years	4,068	4,147	2,148	2,198	1,920	1,949
20 to 24 years	9,885	9,527	5,399	5,221	4,486	4,307
25 to 34 years	46,250	45,812	29,876	29,849	16,374	15,963
25 to 34 years	15,616	15,189	10,580	10,389	5,036	4,800
35 to 44 years	15,105	15,196	9,755	9,869	5,350	5,327
45 to 54 years	15,529	15,427	9,541	9,590	5,988	5,837
55 to 64 years	10,211	10,161	6,356	6,291	3,855	3,869
55 to 59 years	6,193	6,238	3,805	3,789	2,388	2,449
60 to 64 years	4,018	3,923	2,551	2,502	1,466	1,421
65 years and over	2,554	2,613	1,643	1,670	911	943
Agriculture	4,118	4,155	3,290	3,322	828	834
16 to 19 years	646	625	531	507	115	118
16 and 17 years	419	419	341	334	78	85
18 and 19 years	226	206	190	173	36	33
20 to 24 years	311	272	257	231	53	41
25 to 34 years	1,914	2,013	1,456	1,488	458	525
25 to 34 years	520	535	396	399	124	136
35 to 44 years	619	700	456	512	163	189
45 to 54 years	776	777	604	577	171	200
55 to 64 years	726	742	591	638	136	105
55 to 59 years	365	387	293	323	72	64
60 to 64 years	362	355	298	315	64	40
65 years and over	521	503	455	458	65	45

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

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 16-19 years		Female, 16-19 years	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
Total	80,291	79,616	46,033	45,846	26,339	25,798	4,522	4,566	3,397	3,406
White-collar workers	37,887	36,687	19,310	18,807	16,001	15,236	775	778	1,800	1,865
Professional and technical	10,706	10,279	6,653	6,469	3,773	3,504	133	145	147	161
Medical and other health	1,743	1,751	681	738	1,025	982	6	7	31	23
Teachers, except college	1,929	1,738	598	518	1,313	1,212	6	1	12	7
Other professional and technical	7,034	6,790	5,374	5,213	1,435	1,310	122	137	104	131
Managers, officials, and proprietors	8,424	8,050	7,084	6,734	1,283	1,261	37	36	19	18
Salaried workers	6,109	5,665	5,162	4,780	895	840	34	29	18	16
Self-employed workers in retail trade	1,091	1,154	850	884	237	263	3	4	2	2
Self-employed workers, except retail trade	1,223	1,232	1,072	1,071	150	158	1	3	-	-
Clerical workers	13,867	13,614	3,062	3,145	9,150	8,725	347	374	1,308	1,370
Stenographers, typists, and secretaries	3,569	3,482	50	44	3,151	3,031	5	12	363	395
Other clerical workers	10,297	10,132	3,012	3,100	5,999	5,694	342	363	945	976
Sales workers	4,890	4,744	2,510	2,460	1,795	1,745	258	222	327	316
Retail trade	3,006	2,893	932	910	1,562	1,496	217	181	295	306
Other sales workers	1,884	1,851	1,579	1,549	233	250	41	41	32	10
Blue-collar workers	28,813	29,455	21,457	21,737	4,435	4,682	2,575	2,672	345	365
Craftsmen and foremen	10,396	10,495	9,658	9,729	306	368	409	384	22	14
Carpenters	873	927	834	901	6	-	33	26	-	-
Construction craftsmen, except carpenters	2,081	2,091	1,959	1,951	14	16	97	118	11	7
Mechanics and repairmen	2,840	2,851	2,638	2,672	23	28	180	150	-	2
Metal craftsmen, except mechanics	1,232	1,212	1,202	1,164	8	31	20	17	2	-
Other craftsmen and kindred workers	1,947	1,904	1,718	1,683	149	153	71	64	10	4
Foremen, not elsewhere classified	1,422	1,510	1,308	1,358	106	140	7	8	1	3
Operatives	14,061	14,735	8,843	9,169	4,012	4,197	922	1,038	284	331
Drivers and deliverymen	2,492	2,568	2,287	2,349	61	57	140	160	5	2
Other operatives	11,570	12,166	6,556	6,818	3,951	4,140	783	880	279	329
Durable goods manufacturing	4,713	5,041	3,158	3,373	1,287	1,334	200	240	68	94
Nondurable goods manufacturing	3,901	4,123	1,605	1,686	1,985	2,086	160	192	150	160
Other industries	2,956	3,002	1,793	1,759	679	720	423	448	61	75
Nonfarm laborers	4,356	4,225	2,956	2,839	117	116	1,243	1,250	39	20
Construction	991	1,025	718	735	5	2	266	287	2	1
Manufacturing	1,119	1,208	890	901	54	67	169	236	7	4
Other industries	2,245	1,993	1,349	1,203	58	48	809	727	30	15
Service workers	9,823	9,646	2,752	2,716	5,253	5,223	670	642	1,148	1,064
Private household workers	1,448	1,515	25	25	1,066	1,157	10	8	347	325
Service workers, except private household	8,375	8,131	2,727	2,691	4,187	4,067	660	635	801	739
Protective service workers	1,009	1,025	899	899	45	40	45	59	20	28
Waiters, cooks, and bartenders	2,302	2,180	400	380	1,361	1,331	159	158	382	312
Other service workers	5,063	4,925	1,428	1,412	2,781	2,696	456	418	398	399
Farm workers	3,769	3,828	2,513	2,587	649	656	502	473	104	111
Farmers and farm managers	1,866	1,939	1,765	1,837	85	92	14	9	2	2
Farm laborers and foremen	1,903	1,888	749	750	564	564	488	465	102	110
Paid workers	1,197	1,218	674	694	130	159	337	316	56	49
Unpaid family workers	706	671	75	56	434	405	150	149	47	61

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	July 1970	July 1969	July 1970	July 1969	July 1970	July 1969
Total						
Total employed (thousands)	80,291	79,616	50,555	50,412	29,736	29,204
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	47.2	46.1	39.7	38.9	59.9	58.6
Professional and technical	13.3	12.9	13.4	13.1	13.2	12.6
Managers, officials, and proprietors	10.5	10.1	14.1	13.4	4.4	4.4
Clerical workers	17.3	17.1	6.7	7.0	35.2	34.6
Sales workers	6.1	6.0	5.5	5.3	7.1	7.1
Blue-collar workers	35.9	37.0	47.5	48.4	16.1	17.3
Craftsmen and foremen	12.9	13.2	19.9	20.1	1.1	1.3
Operatives	17.5	18.5	19.3	20.2	14.4	15.5
Nonfarm laborers	5.4	5.3	8.3	8.1	.5	.5
Service workers	12.2	12.1	6.8	6.7	21.5	21.5
Private household workers	1.8	1.9	.1	.1	4.8	5.1
Other service workers	10.4	10.2	6.7	6.6	16.8	16.5
Farm workers	4.7	4.8	6.0	6.1	2.5	2.6
Farmers and farm managers	2.3	2.4	3.5	3.7	.3	.3
Farm laborers and foremen	2.4	2.4	2.4	2.4	2.2	2.3
White						
Total employed (thousands)	71,593	71,045	45,567	45,502	26,026	25,542
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	49.6	48.5	41.8	40.9	63.3	62.1
Professional and technical	13.9	13.5	14.0	13.8	13.7	13.0
Managers, officials, and proprietors	11.4	11.0	15.1	14.4	4.8	4.8
Clerical workers	17.7	17.5	6.8	6.9	37.0	36.5
Sales workers	6.6	6.5	5.9	5.7	7.9	7.8
Blue-collar workers	35.1	36.3	46.2	47.2	15.6	16.9
Craftsmen and foremen	13.5	13.8	20.5	20.7	1.1	1.4
Operatives	16.8	17.9	18.5	19.4	14.0	15.1
Nonfarm laborers	4.8	4.7	7.3	7.0	.5	.4
Service workers	10.7	10.5	6.1	6.0	18.7	18.5
Private household workers	1.1	1.2	.1	(1)	3.0	3.2
Other service workers	9.5	9.3	6.0	5.9	15.7	15.3
Farm workers	4.6	4.7	5.9	6.0	2.4	2.5
Farmers and farm managers	2.4	2.6	3.7	3.9	.3	.3
Farm laborers and foremen	2.2	2.1	2.2	2.1	2.1	2.1
Negro and other races						
Total employed (thousands)	8,698	8,571	4,988	4,910	3,710	3,661
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	27.3	26.0	21.0	20.1	35.8	33.8
Professional and technical	8.8	7.6	8.1	6.5	9.8	9.1
Managers, officials, and proprietors	3.3	3.1	4.5	4.4	1.7	1.5
Clerical workers	13.3	13.5	6.7	7.7	22.3	21.2
Sales workers	1.8	1.8	1.7	1.5	2.0	2.1
Blue-collar workers	42.3	42.7	59.3	59.7	19.5	19.7
Craftsmen and foremen	8.7	8.2	14.5	13.8	.8	.8
Operatives	23.1	23.7	26.9	28.0	17.9	18.0
Nonfarm laborers	10.6	10.7	17.9	18.0	.8	.9
Service workers	25.2	25.8	13.2	13.2	41.3	42.7
Private household workers	7.3	8.0	.2	.3	16.8	18.3
Other service workers	17.9	17.8	13.0	13.0	24.5	24.4
Farm workers	5.1	5.6	6.5	6.9	3.3	3.8
Farmers and farm managers	1.3	1.0	2.1	1.6	.3	.2
Farm laborers and foremen	3.8	4.6	4.4	5.3	3.0	3.6

¹Less than 0.05 percent

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

July 1970
(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	70,383	1,740	11,900	56,743	5,264	525	1,479	1,921	719
16 to 19 years	7,161	477	831	5,854	73	40	429	18	198
16 and 17 years	3,137	364	385	2,388	44	25	277	5	138
18 and 19 years	4,025	113	446	3,466	28	16	152	13	61
20 to 24 years	9,686	76	1,478	8,132	181	18	183	54	73
25 to 34 years	14,712	144	2,378	12,189	805	99	227	209	84
35 to 44 years	13,860	175	2,452	11,234	1,140	104	204	310	104
45 to 54 years	13,957	308	2,784	10,866	1,413	159	184	465	127
55 to 64 years	9,001	334	1,730	6,936	1,125	84	163	469	94
55 to 59 years	5,483	180	1,063	4,239	654	57	91	222	51
60 to 64 years	3,518	154	667	2,697	471	28	72	247	43
65 years and over	2,006	227	247	1,532	529	19	87	396	37
Male	43,176	274	6,709	36,194	4,034	54	1,236	1,827	228
16 to 19 years	3,910	120	392	3,397	52	29	363	16	152
16 and 17 years	1,792	96	208	1,487	35	15	229	5	107
18 and 19 years	2,118	24	184	1,910	16	14	134	11	45
20 to 24 years	5,259	8	588	4,563	132	8	157	53	48
25 to 34 years	9,976	16	1,388	8,572	595	9	187	202	7
35 to 44 years	8,844	18	1,439	7,386	908	3	154	297	5
45 to 54 years	8,455	24	1,656	6,776	1,085	1	152	450	2
55 to 64 years	5,492	38	978	4,476	864	-	146	441	4
55 to 59 years	3,299	19	594	2,685	506	1	81	211	1
60 to 64 years	2,194	19	384	1,791	358	-	65	230	3
65 years and over	1,240	50	167	1,023	399	4	77	368	10
Female	27,207	1,467	5,191	20,549	1,230	471	243	94	491
16 to 19 years	3,251	356	439	2,456	20	11	66	2	47
16 and 17 years	1,344	267	176	901	8	9	48	-	31
18 and 19 years	1,907	89	262	1,556	11	2	19	2	16
20 to 24 years	4,428	68	790	3,569	49	10	27	1	25
25 to 34 years	4,736	128	990	3,617	210	90	41	6	77
35 to 44 years	5,016	157	1,012	3,848	232	102	50	13	100
45 to 54 years	5,502	284	1,128	4,090	328	158	31	15	125
55 to 64 years	3,509	296	753	2,460	262	84	17	28	90
55 to 59 years	2,184	161	469	1,554	148	56	10	11	51
60 to 64 years	1,325	135	283	906	113	28	7	17	39
65 years and over	765	177	80	509	130	16	10	28	27

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					
	July 1970	July 1969	Total		Wage and salary workers ¹			
			July 1970	July 1969	Paid absence ²		Unpaid absence ²	
					July 1970	July 1969	July 1970	July 1969
Total	9,649	10,164	9,556	10,029	5,901	6,430	3,100	3,011
Vacation	7,601	8,112	7,558	8,062	5,407	5,874	1,837	1,860
Illness	1,131	1,138	1,112	1,091	346	366	664	590
Bad weather	20	23	10	22	-	-	-	-
Industrial dispute	142	113	142	113	-	-	-	-
All other reasons	755	776	734	742	148	190	599	561
Male	5,062	5,496	4,979	5,372	3,533	3,922	1,163	1,144
Vacation	3,929	4,313	3,892	4,269	3,210	3,556	527	544
Illness	666	710	650	664	226	239	372	356
All other reasons	467	473	438	439	96	127	265	244
Female	4,587	4,668	4,577	4,656	2,367	2,509	1,937	1,867
Vacation	3,672	3,799	3,667	3,792	2,197	2,319	1,310	1,316
Illness	465	428	462	426	119	127	292	233
All other reasons	451	441	449	438	52	63	335	318

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

July 1970

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	70,642	66,617	4,025	100.0	100.0	100.0
1-34 hours	14,544	13,402	1,143	20.6	20.1	28.4
1-4 hours	582	538	44	.8	.8	1.1
5-14 hours	2,651	2,403	248	3.8	3.6	6.2
15-29 hours	7,147	6,542	605	10.1	9.8	15.0
30-34 hours	4,164	3,919	246	5.9	5.9	6.1
35 hours and over	56,098	53,215	2,883	79.4	79.9	71.6
35-39 hours	5,025	4,856	169	7.1	7.3	4.2
40 hours	30,253	29,830	423	42.8	44.8	10.5
41 hours and over	20,820	18,529	2,291	29.5	27.8	56.9
41 to 48 hours	8,286	7,956	330	11.7	11.9	8.2
49 to 59 hours	6,195	5,697	498	8.8	8.6	12.4
60 hours and over	6,339	4,876	1,463	9.0	7.3	36.3
Average hours, total at work	40.4	39.8	49.1	-	-	-
Average hours, workers on full-time schedules	44.1	43.3	58.1	-	-	-

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

July 1970
(In thousands)

Reasons working part time	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total.....	14,544	4,986	9,558	13,402	4,632	8,770
Economic reasons.....	3,088	1,353	1,735	2,763	1,204	1,559
Slack work.....	1,337	1,004	333	1,131	873	258
Material shortages or repairs to plant and equipment.....	77	77	--	76	76	--
New job started during week.....	196	196	--	182	182	--
Job terminated during week.....	76	76	--	74	74	--
Could find only part-time work.....	1,402	--	1,402	1,300	--	1,300
Other reasons.....	11,456	3,633	7,823	10,639	3,427	7,212
Does not want, or unavailable for, full-time work.....	5,379	--	5,379	4,968	--	4,968
Vacation.....	1,001	1,001	--	955	955	--
Illness.....	1,294	1,083	211	1,210	1,057	153
Bad weather.....	239	239	--	164	164	--
Industrial dispute.....	57	57	--	57	57	--
Legal or religious holiday.....	32	32	--	30	30	--
Full time for this job.....	1,756	--	1,756	1,696	--	1,696
All other reasons.....	1,700	1,223	477	1,560	1,165	395
Average hours:						
Economic reasons.....	21.0	24.1	18.5	21.0	24.1	18.6
Other reasons.....	21.2	25.6	19.2	21.3	25.8	19.2
Worked 30 to 34 hours:						
Economic reasons.....	876	579	297	786	517	269
Other reasons.....	3,288	1,787	1,501	3,133	1,723	1,410

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

July 1970

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	4.1	10.8	85.0	57.2	11.9	15.9	39.8	43.3
Wage and salary workers.....	100.0	4.1	10.4	85.5	59.7	12.1	13.7	39.3	42.6
Construction.....	100.0	7.0	4.3	88.7	63.0	12.4	13.3	39.5	41.9
Manufacturing.....	100.0	2.7	2.2	95.2	68.1	14.4	12.7	41.2	42.1
Durable goods.....	100.0	1.9	1.5	96.6	69.3	14.3	13.0	41.6	42.2
Nondurable goods.....	100.0	3.8	3.1	93.1	66.5	14.4	12.2	40.6	41.9
Transportation and public utilities.....	100.0	2.4	4.2	93.5	63.9	12.7	16.9	41.9	43.3
Wholesale and retail trade.....	100.0	5.5	17.6	76.9	44.7	15.0	17.2	38.7	44.1
Finance, insurance, and real estate.....	100.0	1.6	8.4	90.1	68.0	8.5	13.6	39.6	41.9
Service industries.....	100.0	6.0	20.5	73.5	53.7	8.4	11.4	36.1	42.4
Private households.....	100.0	19.7	46.3	34.0	21.3	5.5	7.2	24.7	44.1
All other service.....	100.0	4.3	17.3	78.3	57.6	8.8	11.9	37.5	42.3
Public administration.....	100.0	1.1	4.9	94.0	74.3	8.1	11.6	40.9	42.1
Self-employed workers.....	100.0	4.5	13.8	81.7	28.4	10.8	42.5	45.7	52.1
Unpaid family workers.....	100.0	2.3	30.7	67.0	32.2	9.5	25.3	39.3	48.3

^{1/}Mining not shown separately but included in totals.

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

July 1970

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.....	66,617	2,763	7,212	56,642	38,113	18,529	39.8	43.3
16 to 21 years	10,539	1,145	2,068	7,326	5,572	1,754	34.7	41.4
16 to 19 years	6,967	960	1,707	4,300	3,267	1,033	32.8	41.3
16 and 17 years	3,070	585	1,102	1,383	1,064	319	28.8	41.3
18 and 19 years	3,897	375	605	2,917	2,203	714	36.0	41.3
20 years and over	59,650	1,802	5,505	52,343	34,847	17,496	40.6	43.5
20 to 24 years	8,977	407	836	7,734	5,779	1,955	38.9	41.8
25 years and over	50,673	1,395	4,669	44,609	29,068	15,541	40.9	43.8
25 to 44 years	26,626	696	1,963	23,967	15,365	8,602	41.5	43.9
45 to 64 years	21,820	625	1,805	19,390	12,920	6,470	41.0	43.6
65 years and over	2,227	73	901	1,253	783	470	32.7	45.1
Males, 16 years and over	42,286	1,498	2,207	38,581	23,233	15,348	42.5	44.7
16 to 21 years	5,610	648	911	4,051	2,780	1,271	36.3	42.7
16 to 19 years	3,845	544	777	2,524	1,766	758	34.5	42.3
16 and 17 years	1,778	341	535	902	657	245	30.5	41.7
18 and 19 years	2,067	203	242	1,622	1,108	514	37.9	42.6
20 years and over	38,441	955	1,430	36,056	21,467	14,589	43.3	44.8
20 to 24 years	4,997	242	319	4,436	2,897	1,539	40.9	43.4
25 years and over	33,444	713	1,111	31,620	18,568	13,052	43.7	45.0
25 to 44 years	18,144	377	264	17,503	10,010	7,493	44.5	45.3
45 to 64 years	13,835	291	314	13,230	8,007	5,223	43.7	44.7
65 years and over	1,465	46	534	885	549	336	34.0	45.0
Females, 16 years and over	24,331	1,264	5,004	18,063	14,882	3,181	35.1	40.5
16 to 21 years	4,930	498	1,157	3,275	2,792	483	32.9	39.8
16 to 19 years	3,122	416	929	1,777	1,502	275	30.8	39.9
16 and 17 years	1,293	244	567	482	409	73	26.4	40.6
18 and 19 years	1,829	172	362	1,295	1,095	200	33.9	39.7
20 years and over	21,209	848	4,075	16,286	13,379	2,907	35.7	40.5
20 to 24 years	3,980	165	517	3,298	2,881	417	36.3	39.6
25 years and over	17,229	682	3,558	12,989	10,499	2,490	35.6	40.7
25 to 44 years	8,483	320	1,699	6,464	5,356	1,108	35.2	40.2
45 to 64 years	7,985	334	1,491	6,160	4,913	1,247	36.4	41.2
65 years and over	762	28	368	366	231	135	30.2	45.3
COLOR								
White	59,334	2,267	6,458	50,609	33,265	17,344	40.1	43.6
Male	38,056	1,277	1,979	34,800	20,353	14,447	42.8	44.9
Female	21,278	990	4,479	15,809	12,913	2,896	35.1	40.6
Negro and other races	7,282	496	754	6,032	4,847	1,185	37.7	41.3
Male	4,230	221	228	3,781	2,881	900	39.8	42.1
Female	3,053	275	526	2,252	1,967	285	34.7	39.9
MARITAL STATUS								
Male:								
Married, wife present	31,655	665	952	30,038	17,396	12,642	43.8	45.1
Widowed, divorced, or separated	2,228	82	143	2,003	1,213	790	41.8	44.3
Single (never married)	8,403	751	1,113	6,539	4,622	1,917	37.7	42.8
Female:								
Married, husband present	13,379	459	3,093	9,827	8,122	1,705	34.8	40.3
Widowed, divorced, or separated	4,529	261	687	3,581	2,789	792	36.8	41.4
Single (never married)	6,423	543	1,224	4,656	3,971	685	34.4	40.2

**A-25: Persons at work in nonagricultural industries by full- or part-time status,
sex, age, color, and marital status--Continued**
July 1970

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	4.1	10.8	85.0	57.2	27.8
16 to 21 years.....	100.0	10.9	19.6	69.5	52.9	16.6
16 to 19 years.....	100.0	13.8	24.5	61.7	46.9	14.8
16 and 17 years.....	100.0	19.1	35.9	45.0	34.7	10.4
18 and 19 years.....	100.0	9.6	15.5	74.9	56.5	18.3
20 years and over.....	100.0	3.0	9.2	87.8	58.4	29.3
20 to 24 years.....	100.0	4.5	9.3	86.2	64.4	21.8
25 years and over.....	100.0	2.8	9.2	88.0	57.4	30.7
25 to 44 years.....	100.0	2.6	7.4	90.0	57.7	32.3
45 to 64 years.....	100.0	2.9	8.3	88.9	59.2	29.7
65 years and over.....	100.0	3.3	40.5	56.3	35.2	21.1
Males, 16 years and over.....	100.0	3.5	5.2	91.2	54.9	36.3
16 to 21 years.....	100.0	11.6	16.2	72.2	49.6	22.7
16 to 19 years.....	100.0	14.1	20.2	65.6	45.9	19.7
16 and 17 years.....	100.0	19.2	30.1	50.7	37.0	13.8
18 and 19 years.....	100.0	9.8	11.7	78.5	53.6	24.9
20 years and over.....	100.0	2.5	3.7	93.8	55.8	38.0
20 to 24 years.....	100.0	4.8	6.4	88.8	58.0	30.8
25 years and over.....	100.0	2.1	3.3	94.5	55.5	39.0
25 to 44 years.....	100.0	2.1	1.5	96.5	55.2	41.3
45 to 64 years.....	100.0	2.1	2.3	95.6	57.9	37.8
65 years and over.....	100.0	3.1	36.5	60.4	37.5	22.9
Females, 16 years and over.....	100.0	5.2	20.6	74.2	61.2	13.1
16 to 21 years.....	100.0	10.1	23.5	66.4	56.6	9.8
16 to 19 years.....	100.0	13.3	29.8	56.9	48.1	8.8
16 and 17 years.....	100.0	18.9	43.9	37.3	31.6	5.6
18 and 19 years.....	100.0	9.4	19.8	70.8	59.9	10.9
20 years and over.....	100.0	4.0	19.2	76.8	63.1	13.7
20 to 24 years.....	100.0	4.1	13.0	82.9	72.4	10.5
25 years and over.....	100.0	4.0	20.7	75.4	60.9	14.5
25 to 44 years.....	100.0	3.8	20.0	76.2	63.1	13.1
45 to 64 years.....	100.0	4.2	18.7	77.1	61.5	15.6
65 years and over.....	100.0	3.7	48.3	48.0	30.3	17.7
COLOR						
White.....	100.0	3.8	10.9	85.3	56.1	29.2
Male.....	100.0	3.4	5.2	91.4	53.5	38.0
Female.....	100.0	4.7	21.0	74.3	60.7	13.6
Negro and other races.....	100.0	6.8	10.4	82.8	66.6	16.3
Male.....	100.0	5.2	5.4	89.4	68.1	21.3
Female.....	100.0	9.0	17.2	73.8	64.4	9.3
MARITAL STATUS						
Male:						
Married, wife present.....	100.0	2.1	3.0	94.9	55.0	39.9
Widowed, divorced, or separated.....	100.0	3.7	6.4	89.9	54.4	35.5
Single (never married).....	100.0	8.9	13.2	77.8	55.0	22.8
Female:						
Married, husband present.....	100.0	3.4	23.1	73.5	60.7	12.7
Widowed, divorced, or separated.....	100.0	5.8	15.2	79.1	61.6	17.5
Single (never married).....	100.0	8.5	19.1	72.5	61.8	10.7

A-26: Persons at work in nonfarm occupations by full- or part-time status and sex
July 1970

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
(Thousands of persons)									
TOTAL									
White-collar workers	32,840	712	3,838	28,290	18,740	3,422	6,128	40.5	43.9
Professional and technical	8,268	126	979	7,163	4,855	774	1,534	40.1	43.4
Managers, officials, and proprietors	7,739	72	290	7,377	3,066	1,186	3,125	48.0	49.4
Clerical workers	12,371	333	1,638	10,400	8,887	910	603	37.0	40.1
Sales workers	4,463	180	931	3,352	1,932	553	867	38.0	44.3
Blue-collar workers	25,359	1,334	1,308	22,717	15,488	3,659	3,570	40.4	42.7
Craftsmen and foremen	9,138	293	288	8,557	5,634	1,459	1,464	41.5	42.9
Operatives	12,177	591	516	11,070	7,609	1,737	1,724	40.8	42.7
Nonfarm laborers	4,044	450	504	3,090	2,245	463	382	36.4	41.9
Service workers	8,742	731	2,133	5,878	4,002	911	965	35.4	43.4
Private household	1,333	234	621	478	305	76	97	25.5	43.8
Other service workers	7,409	497	1,512	5,400	3,698	835	867	37.2	43.3
MALE									
White-collar workers	17,992	272	888	16,832	9,073	2,412	5,347	44.6	46.3
Professional and technical	5,784	73	346	5,365	3,352	619	1,394	42.8	44.6
Managers, officials, and proprietors	6,574	61	139	6,374	2,506	1,035	2,833	48.9	49.8
Clerical workers	3,058	66	193	2,799	2,091	335	373	40.5	42.1
Sales workers	2,575	72	210	2,293	1,121	424	748	42.9	45.8
Blue-collar workers	21,451	1,050	989	19,412	12,707	3,264	3,441	41.0	43.2
Craftsmen and foremen	8,867	279	241	8,347	5,462	1,434	1,451	41.7	43.0
Operatives	8,680	337	267	8,076	5,081	1,386	1,609	42.3	43.8
Nonfarm laborers	3,903	433	481	2,989	2,164	444	381	36.5	42.0
Service workers	3,098	189	370	2,539	1,544	415	580	40.7	45.2
Private household	35	5	17	13	9	1	3	31.8	51.8
Other service workers	3,063	185	353	2,525	1,533	414	578	40.8	45.1
FEMALE									
White-collar workers	14,848	441	2,951	11,456	9,664	1,010	782	35.5	40.3
Professional and technical	2,484	52	633	1,799	1,504	154	141	33.8	40.0
Managers, officials, and proprietors	1,164	11	151	1,002	559	151	292	43.0	46.8
Clerical workers	9,312	267	1,445	7,600	6,795	575	230	35.9	39.4
Sales workers	1,888	109	721	1,058	809	129	120	31.4	41.2
Blue-collar workers	3,907	283	318	3,306	2,782	395	129	36.9	39.6
Craftsmen and foremen	270	13	47	210	170	26	14	35.1	39.3
Operatives	3,496	254	248	2,994	2,529	350	115	37.2	39.6
Nonfarm laborers	141	16	23	102	83	19	--	32.4	40.2
Service workers	5,644	541	1,762	3,341	2,461	496	384	32.5	42.0
Private household	1,298	228	604	466	297	75	94	25.4	43.6
Other service workers	4,346	312	1,159	2,875	2,165	421	289	34.7	41.8

A-26: Persons at work in nonfarm occupations by full- or part-time status and sex--Continued
July 1970

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	2.2	11.7	86.2	57.1	10.4	18.7
Professional and technical	100.0	1.5	11.8	86.7	58.7	9.4	18.6
Managers, officials, and proprietors	100.0	.9	3.7	95.3	39.6	15.3	40.4
Clerical workers	100.0	2.7	13.2	84.1	71.8	7.4	4.9
Sales workers	100.0	4.0	20.9	75.1	43.3	12.4	19.4
Blue-collar workers	100.0	5.3	5.2	89.6	61.1	14.4	14.1
Craftsmen and foremen	100.0	3.2	3.2	93.7	61.7	16.0	16.0
Operatives	100.0	4.9	4.2	91.0	62.5	14.3	14.2
Nonfarm laborers	100.0	11.1	12.5	76.3	55.5	11.4	9.4
Service workers	100.0	8.4	24.4	67.2	45.8	10.4	11.0
Private household	100.0	17.6	46.6	35.9	22.9	5.7	7.3
Other service workers	100.0	6.7	20.4	72.9	49.9	11.3	11.7
MALE							
White-collar workers	100.0	1.5	4.9	93.5	50.4	13.4	29.7
Professional and technical	100.0	1.3	6.0	92.8	58.0	10.7	24.1
Managers, officials, and proprietors	100.0	.9	2.1	96.9	38.1	15.7	43.1
Clerical workers	100.0	2.2	6.3	91.6	68.4	11.0	12.2
Sales workers	100.0	2.8	8.2	89.0	43.5	16.5	29.0
Blue-collar workers	100.0	4.9	4.6	90.4	59.2	15.2	16.0
Craftsmen and foremen	100.0	3.1	2.7	94.2	61.6	16.2	16.4
Operatives	100.0	3.9	3.1	93.0	58.5	16.0	18.5
Nonfarm laborers	100.0	11.1	12.3	76.6	55.4	11.4	9.8
Service workers	100.0	6.1	11.9	81.9	49.8	13.4	18.7
Private household	100.0	14.3	48.6	37.2	25.7	2.9	8.6
Other service workers	100.0	6.0	11.5	82.4	50.0	13.5	18.9
FEMALE							
White-collar workers	100.0	3.0	19.9	77.2	65.1	6.8	5.3
Professional and technical	100.0	2.1	25.5	72.4	60.5	6.2	5.7
Managers, officials, and proprietors	100.0	.9	13.0	86.1	48.0	13.0	25.1
Clerical workers	100.0	2.9	15.5	81.7	73.0	6.2	2.5
Sales workers	100.0	5.8	38.2	56.0	42.8	6.8	6.4
Blue-collar workers	100.0	7.2	8.1	84.6	71.2	10.1	3.3
Craftsmen and foremen	100.0	4.8	17.4	77.8	63.0	9.6	5.2
Operatives	100.0	7.3	7.1	85.6	72.3	10.0	3.3
Nonfarm laborers	100.0	11.3	16.3	72.4	58.9	13.5	--
Service workers	100.0	9.6	31.2	59.2	43.6	8.8	6.8
Private household	100.0	17.6	46.5	35.9	22.9	5.8	7.2
Other service workers	100.0	7.2	26.7	66.1	49.8	9.7	6.6

A-27: Employment status of 14- 15 year-olds by sex and color
July 1970

(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.....	7,986	4,049	3,937	6,856	3,487	3,369	1,130	562	569
Civilian labor force.....	2,392	1,495	897	2,055	1,288	767	336	207	129
Employed.....	2,065	1,279	785	1,828	1,133	695	237	146	91
Agriculture.....	412	317	95	346	277	69	66	40	26
Nonagricultural industries.....	1,652	962	690	1,482	856	626	170	106	64
Unemployed.....	327	216	111	228	155	72	100	61	39
Not in labor force.....	5,595	2,554	3,041	4,801	2,199	2,602	794	355	439
Keeping house.....	363	17	347	310	12	298	54	5	49
Going to school.....	574	286	287	400	202	198	174	85	89
Unable to work.....	17	11	6	12	8	5	5	3	2
All other reasons.....	4,641	2,240	2,401	4,079	1,978	2,101	562	262	299

A-28: Employed 14- 15 year-olds by sex, class of worker, and major occupation group
July 1970

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	2,065	1,279	785	100.0	100.0	100.0
Nonagricultural industries.....	1,652	962	690	80.0	75.2	87.9
Wage and salary workers.....	1,518	855	664	73.5	66.8	84.6
Private household workers.....	607	204	402	29.4	15.9	51.3
Government workers.....	143	83	59	6.9	6.5	7.5
Other wage and salary workers.....	769	567	202	37.2	44.3	25.8
Self-employed workers.....	99	74	25	4.8	5.8	3.2
Unpaid family workers.....	35	34	1	1.7	2.7	.1
Agriculture.....	412	317	95	20.0	24.8	12.1
Wage and salary workers.....	243	180	63	11.8	14.1	8.0
Self-employed workers.....	22	20	1	1.1	1.6	.1
Unpaid family workers.....	148	117	31	7.2	9.1	4.0
OCCUPATION						
Total.....	2,065	1,279	785	100.0	100.0	100.0
White-collar workers.....	377	248	130	18.3	19.3	16.6
Professional and technical.....	29	11	18	1.4	.9	2.3
Managers, officials, and proprietors.....	9	3	6	.4	.2	.8
Clerical workers.....	105	32	73	5.1	2.5	9.3
Sales workers.....	234	201	33	11.3	15.7	4.2
Blue-collar workers.....	585	539	47	28.4	42.2	5.9
Craftsmen and foremen.....	40	40	--	1.9	3.1	--
Operatives.....	106	81	24	5.1	6.3	3.1
Nonfarm laborers.....	440	418	22	21.3	32.7	2.8
Service workers.....	721	205	517	35.0	16.0	65.9
Private household workers.....	417	27	389	20.2	2.1	49.6
Other service workers.....	305	177	128	14.8	13.8	16.3
Farm workers.....	381	289	92	18.4	22.5	11.7
Farmers and farm managers.....	3	3	--	.1	.2	--
Farm laborers and foremen.....	377	285	92	18.3	22.3	11.7

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	1970							1969					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Total													
Total labor force	85,967	85,304	85,783	86,143	86,087	85,590	85,599	85,023	84,872	85,051	84,868	84,517	84,310
Civilian labor force	82,813	82,125	82,555	82,872	82,769	82,249	82,213	81,583	81,379	81,523	81,325	80,987	80,789
Employed	78,638	78,225	78,449	78,924	79,112	78,822	79,041	78,737	78,528	78,445	78,194	78,142	77,931
Agriculture	3,519	3,554	3,613	3,586	3,550	3,499	3,426	3,435	3,434	3,446	3,498	3,614	3,561
Nonagricultural industries	75,119	74,671	74,836	75,338	75,562	75,323	75,615	75,302	75,094	74,999	74,696	74,528	74,370
On part time for economic reasons	2,326	2,105	2,249	2,360	1,936	1,821	1,915	1,858	1,830	1,945	1,933	1,955	1,789
Usually work full time	1,240	1,126	1,253	1,400	1,093	1,044	1,036	1,046	1,005	1,017	1,046	1,040	888
Usually work part time	1,086	979	996	960	843	777	879	812	825	928	887	915	901
Unemployed	4,175	3,900	4,106	3,948	3,657	3,427	3,172	2,846	2,851	3,078	3,131	2,845	2,858
Men, 20 years and over													
Total labor force	50,024	49,906	50,020	50,032	49,920	49,707	49,736	49,534	49,544	49,642	49,642	49,488	49,405
Civilian labor force	47,294	47,154	47,226	47,199	47,060	46,836	46,826	46,578	46,531	46,599	46,586	46,443	46,338
Employed	45,324	45,521	45,593	45,667	45,709	45,534	45,674	45,553	45,533	45,511	45,465	45,485	45,335
Agriculture	2,593	2,603	2,625	2,602	2,537	2,479	2,473	2,499	2,482	2,575	2,593	2,670	2,646
Nonagricultural industries	42,931	42,918	42,968	43,065	43,172	43,055	43,201	43,054	43,051	42,936	42,872	42,815	42,689
Unemployed	1,770	1,633	1,633	1,532	1,351	1,302	1,152	1,025	998	1,088	1,121	958	1,003
Women, 20 years and over													
Civilian labor force	28,500	28,026	27,885	28,274	28,295	28,066	28,073	27,875	27,671	27,767	27,634	27,664	27,524
Employed	27,073	26,772	26,476	27,022	27,016	26,925	27,060	26,897	26,663	26,699	26,543	26,626	26,512
Agriculture	545	573	567	571	583	630	586	585	555	554	535	582	547
Nonagricultural industries	26,528	26,199	25,909	26,451	26,433	26,295	26,474	26,312	26,108	26,145	26,008	26,044	25,965
Unemployed	1,427	1,254	1,409	1,252	1,279	1,141	1,013	978	1,008	1,068	1,091	1,038	1,012
Both sexes, 16-19 years													
Civilian labor force	7,019	6,945	7,444	7,399	7,414	7,347	7,314	7,130	7,177	7,157	7,105	6,880	6,927
Employed	6,041	5,932	6,380	6,235	6,387	6,363	6,307	6,287	6,332	6,235	6,186	6,031	6,084
Agriculture	381	378	421	413	430	390	367	351	397	317	370	362	368
Nonagricultural industries	5,660	5,554	5,959	5,822	5,957	5,973	5,940	5,936	5,935	5,918	5,816	5,669	5,716
Unemployed	978	1,013	1,064	1,164	1,027	984	1,007	843	845	922	919	849	843

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	1970							1969					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Full time													
Total, 16 years and over:													
Civilian labor force	71,132	70,653	71,116	70,810	70,557	70,407	70,623	70,269	70,184	70,190	70,308	70,052	69,735
Employed	67,855	67,585	67,742	67,720	67,707	67,781	68,235	68,017	68,039	68,010	67,993	67,915	67,572
Unemployed	3,277	3,068	3,374	3,090	2,850	2,626	2,388	2,252	2,145	2,180	2,315	2,137	2,163
Unemployment rate	4.6	4.3	4.7	4.4	4.0	3.7	3.4	3.2	3.1	3.1	3.3	3.1	3.1
Men, 20 years and over:													
Civilian labor force	45,042	44,966	45,061	44,898	44,715	44,536	44,604	44,486	44,420	44,447	44,482	44,303	44,177
Employed	43,403	43,476	43,554	43,487	43,460	43,348	43,561	43,506	43,515	43,539	43,524	43,485	43,279
Unemployed	1,639	1,490	1,507	1,411	1,255	1,188	1,043	980	905	908	958	818	898
Unemployment rate	3.6	3.3	3.3	3.1	2.8	2.7	2.3	2.2	2.0	2.0	2.2	1.8	2.0
Women, 20 years and over:													
Civilian labor force	22,295	22,050	21,937	22,054	21,982	21,965	22,146	21,813	21,852	21,862	21,878	21,971	21,752
Employed	21,211	21,046	20,736	21,042	20,982	21,087	21,332	21,089	21,096	21,059	21,036	21,116	20,956
Unemployed	1,084	1,004	1,201	1,012	1,000	878	814	724	756	803	842	855	796
Unemployment rate	4.9	4.6	5.5	4.6	4.5	4.0	3.7	3.3	3.5	3.7	3.8	3.9	3.7
Part time													
Total, 16 years and over:													
Civilian labor force	11,640	11,455	11,425	11,949	11,958	11,634	11,803	11,360	11,261	11,314	11,072	11,032	10,883
Employed	10,775	10,685	10,689	11,064	11,109	10,828	10,946	10,677	10,580	10,539	10,301	10,272	10,212
Unemployed	865	770	736	885	849	806	857	683	681	775	771	760	671
Unemployment rate	7.4	6.7	6.4	7.4	7.1	6.9	7.3	6.0	6.0	6.9	7.0	6.9	6.2

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

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Characteristics	1970							1969					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
White													
Total:													
Civilian labor force	73,454	72,770	73,358	73,662	73,621	73,169	73,159	72,589	72,392	72,447	72,261	71,835	71,733
Employed	70,008	69,681	69,998	70,499	70,617	70,406	70,558	70,266	70,093	69,930	69,733	69,548	69,447
Unemployed	3,446	3,089	3,360	3,163	3,004	2,763	2,601	2,323	2,299	2,517	2,528	2,287	2,286
Unemployment rate	4.7	4.2	4.6	4.3	4.1	3.8	3.6	3.2	3.2	3.5	3.5	3.2	3.2
Males, 20 years and over:													
Civilian labor force	42,462	42,411	42,480	42,498	42,407	42,194	42,133	41,953	41,959	41,956	41,965	41,838	41,724
Employed	40,974	41,039	41,123	41,232	41,260	41,115	41,165	41,122	41,130	41,022	41,044	41,052	40,890
Unemployed	1,488	1,372	1,357	1,266	1,147	1,079	968	831	829	934	921	786	834
Unemployment rate	3.5	3.2	3.2	3.0	2.7	2.6	2.3	2.0	2.0	2.2	2.2	1.9	2.0
Females, 20 years and over:													
Civilian labor force	24,775	24,275	24,259	24,601	24,599	24,437	24,504	24,243	24,053	24,174	23,979	23,973	23,894
Employed	23,584	23,278	23,139	23,623	23,576	23,520	23,665	23,429	23,245	23,308	23,116	23,136	23,108
Unemployed	1,191	997	1,120	978	1,023	917	839	814	808	866	863	837	786
Unemployment rate	4.8	4.1	4.6	4.0	4.2	3.8	3.4	3.4	3.4	3.6	3.6	3.5	3.3
Both sexes, 16 to 19 years:													
Civilian labor force	6,217	6,084	6,619	6,563	6,615	6,538	6,522	6,393	6,380	6,317	6,317	6,024	6,115
Employed	5,450	5,364	5,736	5,644	5,781	5,771	5,728	5,715	5,718	5,600	5,573	5,360	5,449
Unemployed	767	720	883	919	834	767	794	678	662	717	744	664	666
Unemployment rate	12.3	11.8	13.3	14.0	12.6	11.7	12.2	10.6	10.4	11.4	11.8	11.0	10.9
Negro and other races													
Total:													
Civilian labor force	9,243	9,231	9,235	9,213	9,253	9,160	9,259	9,115	9,042	9,011	8,962	9,061	8,920
Employed	8,480	8,427	8,500	8,414	8,598	8,520	8,675	8,598	8,484	8,419	8,366	8,479	8,339
Unemployed	763	804	735	799	655	640	584	517	558	592	596	582	581
Unemployment rate	8.3	8.7	8.0	8.7	7.1	7.0	6.3	5.7	6.2	6.6	6.7	6.4	6.5
Males, 20 years and over:													
Civilian labor force	4,790	4,734	4,729	4,656	4,693	4,675	4,731	4,657	4,602	4,607	4,599	4,611	4,571
Employed	4,499	4,448	4,455	4,399	4,484	4,461	4,550	4,480	4,430	4,424	4,409	4,442	4,398
Unemployed	291	286	274	257	209	214	181	177	172	183	190	169	173
Unemployment rate	6.1	6.0	5.8	5.5	4.5	4.6	3.8	3.8	3.7	4.0	4.1	3.7	3.8
Females, 20 years and over:													
Civilian labor force	3,655	3,682	3,669	3,713	3,715	3,656	3,676	3,664	3,608	3,576	3,595	3,638	3,554
Employed	3,412	3,425	3,403	3,421	3,466	3,440	3,497	3,502	3,412	3,373	3,372	3,412	3,333
Unemployed	243	257	266	292	249	216	179	162	196	203	223	226	221
Unemployment rate	6.6	7.0	7.2	7.9	6.7	5.9	4.9	4.4	5.4	5.7	6.2	6.2	6.2
Both sexes, 16 to 19 years:													
Civilian labor force	798	815	837	844	845	829	852	794	832	828	768	812	795
Employed	569	554	642	594	648	619	628	616	642	622	585	625	608
Unemployed	229	261	195	250	197	210	224	178	190	206	183	187	187
Unemployment rate	28.7	32.0	23.3	29.6	23.3	25.3	26.3	22.4	22.8	24.9	23.8	23.0	23.5

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

(In thousands)

Duration of unemployment	1970							1969					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Less than 5 weeks	2,061	1,961	2,219	2,295	1,995	1,973	1,756	1,515	1,558	1,882	1,756	1,646	1,656
5 to 14 weeks	1,334	1,303	1,214	1,075	1,154	1,016	914	893	912	882	995	854	824
15 weeks and over	711	685	612	569	545	465	409	392	389	363	392	385	404
15 to 26 weeks	470	450	352	372	363	306	276	272	249	233	240	250	233
27 weeks and over	241	235	260	197	182	159	133	120	140	130	152	135	167
Average (mean) duration	9.3	9.5	9.0	8.2	8.4	8.1	7.8	8.1	8.0	7.3	7.9	7.8	8.2

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-33: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1970							1969					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Total (all civilian workers)	5.0	4.7	5.0	4.8	4.4	4.2	3.9	3.5	3.5	3.8	3.8	3.5	3.5
Men, 20 years and over	3.7	3.5	3.5	3.2	2.9	2.8	2.5	2.2	2.1	2.3	2.4	2.1	2.2
Women, 20 years and over	5.0	4.5	5.1	4.4	4.5	4.1	3.6	3.5	3.6	3.8	3.9	3.8	3.7
Both sexes, 16-19 years	13.9	14.6	14.3	15.7	13.9	13.4	13.8	11.8	11.8	12.9	12.9	12.3	12.2
White	4.7	4.2	4.6	4.3	4.1	3.8	3.6	3.2	3.2	3.5	3.5	3.2	3.2
Negro and other races	8.3	8.7	8.0	8.7	7.1	7.0	6.3	5.7	6.2	6.6	6.7	6.4	6.5
Married men	2.7	2.5	2.6	2.4	2.2	2.0	1.8	1.7	1.5	1.6	1.7	1.5	1.6
Full-time workers	4.6	4.3	4.7	4.4	4.0	3.7	3.4	3.2	3.1	3.1	3.3	3.1	3.1
Part-time workers	7.4	6.7	6.4	7.4	7.1	6.9	7.3	6.0	6.0	6.9	7.0	6.9	6.2
Unemployed 15 weeks and over ¹ . . . . .	.9	.8	.7	.7	.7	.6	.5	.5	.5	.4	.5	.5	.5
State insured ²	3.5	3.7	3.6	3.1	2.7	2.7	2.5	2.4	2.3	2.2	2.2	2.1	2.1
Labor force time lost ³	5.4	4.9	5.4	5.1	4.8	4.5	4.2	3.9	4.0	4.3	4.3	4.0	4.0
Occupation													
White-collar workers	3.1	2.6	2.8	2.9	2.7	2.3	2.1	2.1	2.1	2.4	2.2	2.2	2.2
Professional and technical	2.2	1.5	2.1	2.1	2.3	1.7	1.5	1.8	1.2	1.6	1.4	1.3	1.4
Managers, officials, and proprietors	1.7	1.5	1.1	1.2	1.2	1.0	.9	1.0	.9	.9	1.0	1.0	.9
Clerical workers	4.4	4.0	3.9	4.0	3.6	3.2	3.1	2.8	3.5	3.4	3.2	3.2	3.2
Sales workers	4.0	3.4	4.4	4.1	3.5	3.4	2.8	2.6	2.2	3.5	2.8	2.9	3.2
Blue-collar workers	6.6	6.3	6.2	5.7	5.2	5.0	4.6	4.3	4.2	4.2	4.4	3.8	3.8
Craftsmen and foremen	4.4	4.0	4.2	3.5	3.1	2.5	2.3	2.3	2.1	2.4	2.6	2.1	1.9
Operatives	7.2	6.8	6.7	6.3	6.2	6.0	5.1	5.0	4.9	4.9	4.7	4.2	4.2
Nonfarm laborers	9.9	10.4	9.1	8.8	7.4	7.7	8.5	7.4	6.9	6.5	7.6	6.8	7.1
Service workers	5.3	5.0	4.9	5.0	4.9	4.8	4.5	3.6	4.0	4.2	4.8	4.5	4.3
Farm workers	2.7	2.0	3.5	2.1	2.3	1.9	2.1	2.1	1.4	1.8	1.9	1.9	2.9
Industry													
Private wage and salary workers⁴	5.6	5.2	5.2	4.8	4.6	4.3	3.9	3.6	3.6	3.8	3.9	3.5	3.5
Construction	11.0	10.9	11.9	8.1	8.1	7.9	7.1	6.0	5.4	7.3	7.4	7.0	5.9
Manufacturing	6.0	5.3	5.2	4.7	4.7	4.6	3.8	3.8	3.7	3.6	3.7	2.9	3.2
Durable goods	5.9	5.1	4.9	4.9	4.8	4.7	3.8	3.7	3.6	3.2	3.2	2.3	3.1
Nondurable goods	6.2	5.6	5.7	4.5	4.6	4.4	3.8	3.9	3.9	4.2	4.3	3.7	3.3
Transportation and public utilities	3.3	3.3	3.3	3.9	3.1	2.4	2.9	2.4	2.4	2.9	2.0	2.0	2.0
Wholesale and retail trade	5.3	5.4	5.1	5.5	4.7	4.7	4.3	3.9	3.9	4.2	4.5	4.3	4.1
Finance and service industries	4.8	4.1	4.2	3.9	4.0	3.2	3.1	2.7	3.2	3.1	3.4	3.4	3.6
Government wage and salary workers	2.0	1.9	2.2	2.2	2.1	2.0	2.2	2.0	2.1	2.4	1.9	1.9	1.8
Agricultural wage and salary workers	8.6	5.5	9.3	5.9	6.4	5.8	6.2	6.5	5.2	6.3	6.5	6.5	8.9

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

Sex and age	1970							1969						
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
Total, 16 years and over	5.0	4.7	5.0	4.8	4.4	4.2	3.9	3.5	3.5	3.8	3.8	3.5	3.5	
16 to 19 years	13.9	14.6	14.3	15.7	13.9	13.4	13.8	11.8	11.8	12.9	12.9	12.3	12.2	
16 and 17 years	15.2	16.0	15.6	18.7	15.7	16.3	17.2	13.7	14.3	16.5	16.1	15.8	14.6	
18 and 19 years	13.2	13.3	13.8	13.8	12.4	11.7	11.6	10.2	9.2	10.4	10.6	9.8	10.3	
20 to 24 years	8.6	7.4	8.1	7.7	6.8	7.3	6.1	5.8	5.8	6.4	6.5	5.4	5.8	
25 years and over	3.5	3.2	3.3	3.1	3.0	2.6	2.4	2.2	2.2	2.4	2.4	2.3	2.3	
25 to 54 years	3.7	3.3	3.4	3.2	3.1	2.7	2.5	2.3	2.1	2.4	2.5	2.3	2.3	
55 years and over	2.9	3.0	3.3	2.8	2.7	2.4	2.0	2.1	1.9	2.3	2.2	2.0	2.0	
Males, 16 years and over	4.5	4.3	4.4	4.2	3.6	3.6	3.3	2.9	2.9	3.1	3.2	2.8	2.9	
16 to 19 years	14.1	14.8	15.0	15.2	12.5	13.0	12.6	11.0	11.7	11.8	12.0	11.3	11.8	
16 and 17 years	15.2	16.6	16.4	17.2	14.6	15.4	14.9	13.1	13.7	14.4	15.0	15.5	14.4	
18 and 19 years	13.6	13.2	14.6	13.9	10.8	11.0	10.8	9.3	8.9	9.6	9.4	7.8	9.7	
20 to 24 years	9.1	7.2	7.7	7.9	6.4	6.9	6.1	5.5	5.3	6.3	6.4	4.5	5.3	
25 years and over	3.0	2.9	2.9	2.6	2.4	2.2	2.0	1.8	1.7	1.9	1.8	1.7	1.7	
25 to 54 years	3.0	2.9	2.8	2.6	2.3	2.1	2.0	1.7	1.4	1.8	1.8	1.6	1.7	
55 years and over	2.8	2.8	3.1	2.8	2.8	2.4	2.1	2.2	1.9	2.2	2.0	2.0	1.9	
Females, 16 years and over	5.9	5.5	5.9	5.7	5.7	5.1	4.8	4.5	4.5	4.9	5.0	4.8	4.6	
16 to 19 years	13.7	14.3	13.4	16.4	15.6	13.9	15.2	12.8	11.9	14.2	14.2	13.6	12.7	
16 and 17 years	15.1	15.3	14.6	20.6	17.0	17.3	20.3	14.7	15.0	19.2	17.7	16.2	14.8	
18 and 19 years	12.7	13.4	12.9	13.7	14.3	12.7	12.4	11.2	9.6	11.3	12.0	12.0	11.0	
20 to 24 years	8.1	7.7	8.7	7.5	7.2	7.6	6.2	6.1	6.5	6.5	6.6	6.3	6.3	
25 years and over	4.5	3.8	4.2	3.8	4.0	3.3	3.0	3.0	3.1	3.4	3.4	3.3	3.2	
25 to 54 years	4.8	4.1	4.3	4.2	4.4	3.6	3.3	3.3	3.4	3.6	3.7	3.6	3.5	
55 years and over	3.1	3.2	3.6	2.7	2.5	2.3	1.7	1.9	2.0	2.5	2.5	2.1	2.3	

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

(Numbers in thousands)

Reason for unemployment	1970							1969						
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
Number of unemployed														
Lost last job	1,833	1,928	1,912	1,613	1,503	1,390	1,202	1,170	1,033	1,010	993	981	1,009	
Left last job	600	569	550	573	466	473	460	455	426	411	483	452	434	
Reentered labor force	1,284	1,036	1,168	1,207	1,225	1,089	1,106	916	999	1,079	1,079	1,041	967	
Never worked before	439	468	464	550	479	477	509	358	358	462	495	411	426	
Percent distribution														
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Lost last job	44.1	48.2	46.7	40.9	40.9	40.5	36.7	40.4	36.7	34.1	32.6	34.0	35.6	
Left last job	14.4	14.2	13.4	14.5	12.7	13.8	14.0	15.7	15.1	13.9	15.8	15.7	15.3	
Reentered labor force	30.9	25.9	28.5	30.6	33.4	31.8	33.8	31.6	35.5	36.4	35.4	36.1	34.1	
Never worked before	10.6	11.7	11.3	13.9	13.0	13.9	15.5	12.3	12.7	15.6	16.2	14.2	15.0	
Unemployed as a percent of the civilian labor force														
Lost last job	2.1	2.3	2.3	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.2	1.2	1.2	
Left last job .....	.8	.7	.7	.7	.6	.6	.6	.6	.5	.5	.6	.6	.5
Reentered labor force	1.6	1.3	1.4	1.5	1.5	1.3	1.3	1.1	1.2	1.3	1.3	1.3	1.2	
Never worked before .....	.9	.6	.6	.7	.6	.6	.6	.5	.4	.6	.6	.5	.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1970							1969					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
Total													
16 years and over	78,638	78,225	78,449	78,924	79,112	78,822	79,041	78,737	78,528	78,445	78,194	78,142	77,931
16 to 19 years	6,041	5,932	6,380	6,235	6,387	6,363	6,307	6,287	6,332	6,235	6,186	6,031	6,084
16 and 17 years	2,532	2,484	2,686	2,656	2,774	2,760	2,713	2,667	2,707	2,625	2,614	2,474	2,526
18 and 19 years	3,467	3,440	3,672	3,590	3,654	3,634	3,647	3,660	3,654	3,598	3,565	3,530	3,515
20 to 24 years	9,745	9,588	9,593	9,583	9,593	9,538	9,644	9,441	9,506	9,457	9,428	9,477	9,371
25 years and over	62,787	62,626	62,557	63,078	63,134	62,970	63,132	62,998	62,709	62,770	62,589	62,630	62,433
25 to 54 years	48,658	48,607	48,558	48,909	48,846	48,821	49,043	48,945	48,619	48,600	48,435	48,492	48,304
55 years and over	14,045	13,965	13,980	14,188	14,326	14,203	14,223	14,117	14,075	14,096	14,108	14,121	14,052
Male													
16 years and over	48,855	48,778	49,081	49,099	49,313	49,058	49,204	49,055	49,067	48,949	48,956	48,819	48,702
16 to 19 years	3,331	3,257	3,488	3,432	3,604	3,524	3,530	3,502	3,534	3,438	3,491	3,334	3,367
16 and 17 years	1,489	1,445	1,519	1,529	1,601	1,558	1,580	1,550	1,600	1,536	1,586	1,454	1,496
18 and 19 years	1,812	1,809	1,954	1,896	2,027	1,984	1,974	1,987	1,954	1,905	1,914	1,861	1,838
20 to 24 years	5,215	5,188	5,213	5,154	5,146	5,102	5,117	5,093	5,088	5,068	5,071	5,107	5,029
25 years and over	40,260	40,288	40,395	40,501	40,567	40,468	40,571	40,500	40,418	40,421	40,403	40,407	40,274
25 to 54 years	31,278	31,280	31,328	31,369	31,402	31,352	31,409	31,469	31,353	31,324	31,288	31,336	31,284
55 years and over	8,965	8,972	9,073	9,131	9,181	9,148	9,209	9,067	9,076	9,076	9,098	9,051	8,975
Female													
16 years and over	29,783	29,447	29,368	29,825	29,799	29,764	29,837	29,682	29,461	29,496	29,238	29,323	29,229
16 to 19 years	2,710	2,675	2,892	2,803	2,783	2,839	2,777	2,785	2,798	2,797	2,695	2,697	2,717
16 and 17 years	1,043	1,039	1,167	1,127	1,173	1,202	1,133	1,117	1,107	1,089	1,028	1,020	1,030
18 and 19 years	1,655	1,631	1,718	1,694	1,627	1,650	1,673	1,673	1,700	1,693	1,651	1,669	1,677
20 to 24 years	4,530	4,400	4,380	4,429	4,447	4,436	4,527	4,348	4,418	4,389	4,357	4,370	4,342
25 years and over	22,527	22,338	22,162	22,577	22,576	22,502	22,561	22,498	22,291	22,349	22,186	22,223	22,159
25 to 54 years	17,380	17,327	17,230	17,540	17,444	17,469	17,634	17,476	17,266	17,276	17,147	17,156	17,020
55 years and over	5,080	4,993	4,907	5,057	5,145	5,055	5,014	5,050	4,999	5,020	5,010	5,070	5,077

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

(In thousands)

Occupation group	1970							1969					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
White-collar workers	38,019	38,049	37,889	38,006	37,936	37,927	37,950	37,641	37,483	37,406	37,047	36,917	36,807
Professional and technical	11,281	11,198	11,023	11,166	11,016	10,966	11,097	11,007	10,887	10,915	10,763	10,699	10,831
Managers, officials, and proprietors	8,300	8,285	8,378	8,206	8,268	8,186	8,190	8,164	8,222	8,037	8,022	7,958	7,931
Clerical workers	13,582	13,696	13,700	13,848	13,884	13,965	13,869	13,699	13,530	13,737	13,573	13,528	13,334
Sales workers	4,856	4,870	4,788	4,786	4,768	4,810	4,794	4,771	4,844	4,717	4,689	4,732	4,711
Blue-collar workers	27,677	27,441	27,621	27,927	28,192	28,274	28,241	28,323	28,432	28,412	28,520	28,429	28,325
Craftsmen and foremen	10,074	10,079	10,036	10,211	10,375	10,268	10,148	10,323	10,258	10,215	10,162	10,189	10,170
Operatives	13,867	13,790	13,863	14,021	14,018	14,204	14,281	14,268	14,433	14,535	14,676	14,560	14,532
Nonfarm laborers	3,736	3,572	3,722	3,695	3,799	3,802	3,812	3,732	3,741	3,662	3,682	3,680	3,623
Service workers	9,648	9,544	9,589	9,634	9,729	9,562	9,728	9,688	9,558	9,520	9,531	9,467	9,480
Farmers and farm laborers	3,180	3,226	3,266	3,210	3,214	3,160	3,084	3,037	3,087	3,143	3,199	3,258	3,238

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	1,133	1,021	10,659	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	1,239	848	10,658	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	962	1,012	8,257	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	929	1,185	9,120	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	1,212	1,229	10,300	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	1,101	1,321	9,671	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	1,089	1,446	9,939	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	1,185	1,555	10,156	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	1,114	1,608	10,001	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	1,050	1,606	9,947	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	1,087	1,497	10,702	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	1,009	1,372	9,562	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	873	1,214	8,170	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	731	970	6,931	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	744	809	7,397	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	883	862	8,501	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	897	912	9,069	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	946	1,145	9,827	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	1,015	1,112	10,794	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	891	1,055	9,440	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	854	1,150	10,278	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	925	1,294	10,985	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	957	1,790	13,192	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	992	2,170	15,280	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	925	1,567	17,602	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174
1944.....	41,883	892	1,094	17,328	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	836	1,132	15,524	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	862	1,661	14,703	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	955	1,982	15,545	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	994	2,169	15,582	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	930	2,165	14,441	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	901	2,333	15,241	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	929	2,603	16,393	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	898	2,634	16,632	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	866	2,623	17,549	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	791	2,612	16,314	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	792	2,802	16,882	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	822	2,999	17,243	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	828	2,923	17,174	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	751	2,778	15,945	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	732	2,960	16,675	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	712	2,885	16,796	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	672	2,816	16,326	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	650	2,902	16,853	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	635	2,963	16,995	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	634	3,050	17,274	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	632	3,186	18,062	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	627	3,275	19,214	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	613	3,208	19,447	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,915	606	3,285	19,781	4,310	14,084	3,611	10,473	3,382	10,623	11,845	2,737	9,109
1969.....	70,274	619	3,437	20,169	4,431	14,645	3,738	10,907	3,557	11,211	12,204	2,758	9,446
1969: July....	70,481	635	3,707	20,164	4,507	14,663	3,787	10,876	3,628	11,384	11,793	2,842	8,951
August..	70,758	638	3,731	20,497	4,510	14,670	3,796	10,874	3,641	11,372	11,699	2,804	8,895
September	70,964	630	3,687	20,482	4,508	14,714	3,781	10,933	3,595	11,300	12,048	2,733	9,315
October..	71,333	623	3,648	20,395	4,481	14,850	3,801	11,049	3,589	11,372	12,375	2,717	9,658
November	71,354	622	3,553	20,194	4,486	15,092	3,816	11,276	3,597	11,349	12,461	2,705	9,756
December	71,760	623	3,398	20,110	4,478	15,638	3,841	11,797	3,608	11,351	12,554	2,760	9,794
1970: January..	69,933	611	3,048	19,824	4,435	14,707	3,797	10,910	3,604	11,254	12,450	2,690	9,760
February	70,029	608	3,071	19,770	4,420	14,606	3,788	10,818	3,615	11,357	12,582	2,694	9,888
March...	70,460	610	3,161	19,794	4,443	14,700	3,797	10,903	3,639	11,433	12,680	2,758	9,922
April...	70,758	616	3,286	19,627	4,432	14,818	3,803	11,015	3,658	11,564	12,757	2,838	9,919
May.....	70,780	620	3,344	19,432	4,469	14,878	3,813	11,065	3,670	11,641	12,726	2,765	9,961
June P..	71,378	634	3,506	19,622	4,547	15,009	3,878	11,131	3,701	11,700	12,659	2,710	9,949
July P..	70,486	634	3,569	19,296	4,561	14,913	3,886	11,027	3,738	11,668	12,107	2,707	9,400

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.
p = preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry

SIC CODE	Industry	(In thousands)									
		All employees					Production workers ¹				
		July 1970 P	June 1970 P	May 1970	July 1969	June 1969	July 1970 P	June 1970 P	May 1970	July 1969	June 1969
-	TOTAL	70,486	71,378	70,780	70,481	71,116	-	-	-	-	-
-	PRIVATE SECTOR	58,379	58,719	58,054	58,688	58,788	48,216	48,557	47,905	48,613	48,652
-	MINING	634	634	620	635	629	484	484	471	485	480
10	METAL MINING	-	97.5	94.1	92.0	90.4	-	79.0	76.3	74.2	73.1
101	Iron ores	-	27.5	26.4	26.8	26.8	-	22.6	21.6	22.0	22.0
102	Copper ores	-	37.9	36.4	34.4	33.8	-	30.2	29.2	27.4	27.0
11,12	COAL MINING	-	143.1	141.1	134.3	133.6	-	123.8	122.1	115.7	115.1
12	Bituminous coal and lignite mining	-	137.4	135.4	128.7	128.0	-	118.8	117.3	110.7	110.1
13	OIL AND GAS EXTRACTION	-	273.2	267.0	287.1	284.3	-	182.0	176.4	194.9	192.0
131,2	Crude petroleum and natural gas fields ...	-	144.9	140.7	149.3	148.1	-	75.2	72.2	78.2	77.1
138	Oil and gas field services	-	128.3	126.3	137.8	136.2	-	106.8	104.2	116.7	114.9
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	120.5	117.6	121.7	120.5	-	99.6	96.6	100.6	99.3
142	Crushed and broken stone	-	43.1	41.6	42.5	42.0	-	36.3	34.7	36.2	35.7
144	Sand and gravel	-	39.3	37.9	40.0	39.6	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,569	3,506	3,344	3,707	3,628	3,002	2,944	2,791	3,157	2,980
15	GENERAL BUILDING CONTRACTORS	-	1,022.8	978.4	1,136.3	1,098.7	-	859.5	816.8	976.5	836.5
16	HEAVY CONSTRUCTION CONTRACTORS ..	-	833.6	761.2	821.3	801.6	-	720.3	649.9	714.2	697.5
161	Highway and street construction	-	391.2	345.0	399.2	390.0	-	351.0	306.0	358.7	350.1
162	Heavy construction, n e c	-	442.4	416.2	422.1	411.6	-	369.3	343.9	355.5	347.4
17	SPECIAL TRADE CONTRACTORS	-	1,649.1	1,603.9	1,749.4	1,727.4	-	1,364.3	1,323.9	1,466.6	1,445.8
171	Plumbing, heating, air conditioning	-	390.6	381.9	404.6	413.9	-	311.3	303.8	325.6	334.4
172	Painting, paper hanging, decorating	-	138.2	130.3	151.4	143.8	-	121.4	114.0	135.7	127.8
173	Electrical work	-	285.9	279.7	293.0	287.0	-	227.7	223.1	237.5	231.7
174	Masonry, stonework, and plastering	-	215.2	209.0	246.0	239.8	-	193.7	187.7	222.9	217.5
176	Roofing and sheet metal work	-	117.6	112.9	124.0	120.3	-	96.8	92.1	102.9	99.2
-	MANUFACTURING	19,296	19,622	19,432	20,164	20,387	13,948	14,253	14,061	14,700	14,958
19,24,25, 32-39	DURABLE GOODS	11,137	11,399	11,352	11,889	12,051	7,989	8,229	8,164	8,612	8,794
20-23, 26-31	NONDURABLE GOODS	8,159	8,223	8,080	8,275	8,336	5,959	6,024	5,897	6,088	6,164
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	242.8	250.0	254.1	322.1	325.2	132.0	136.6	139.2	185.5	187.2
192	Ammunition, except for small arms	(*)	174.8	179.8	233.3	237.5	(*)	89.0	92.3	128.9	130.9
1925	Complete guided missiles	-	101.7	104.1	124.0	128.4	-	31.6	32.9	40.0	42.1
1929	Ammunition, exc. for small arms, nec	-	73.1	75.7	109.3	109.1	-	57.4	59.4	88.9	88.8
24	LUMBER AND WOOD PRODUCTS	584.1	605.9	579.2	627.5	634.7	502.8	525.7	498.8	545.7	553.8
241	Logging camps & logging contractors	(*)	91.2	73.6	89.4	86.7	-	-	-	-	-
242	Sawmills and planing mills	219.6	220.5	217.0	234.0	238.4	199.7	201.1	197.3	213.1	217.5
2421	Sawmills and planing mills, general	-	186.2	183.5	197.9	200.7	-	170.1	167.1	180.5	183.5
243	Millwork, plywood & related products	167.7	168.3	164.6	176.0	180.8	139.9	140.2	136.4	148.1	153.3
2431	Millwork	-	74.0	71.3	76.0	77.2	-	59.8	57.2	61.9	63.3
2432	Veneer and plywood	-	71.7	71.5	75.9	78.9	-	64.0	63.7	68.7	71.6
244	Wooden containers	34.1	35.4	34.4	37.7	37.2	30.3	31.7	30.5	34.0	33.3
2441,2	Wooden boxes, shooks, and crates	-	28.8	27.6	30.6	30.4	-	25.9	24.5	27.6	27.2
249	Miscellaneous wood products	(*)	90.5	89.6	90.4	91.6	(*)	75.4	74.7	75.7	77.4

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969	July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969
<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES	441.5	452.7	451.4	476.2	487.1	361.8	371.9	370.5	394.1	403.9
251	Household furniture	306.3	313.5	313.4	333.7	341.3	256.6	264.1	263.9	284.2	291.0
2511	Wood household furniture	—	155.4	154.8	171.4	175.1	—	136.1	135.6	151.8	155.2
2512	Upholstered household furniture	—	82.1	83.3	87.0	89.5	—	67.5	68.6	72.4	74.5
2515	Mattresses and bedsprings	—	37.5	36.8	39.3	39.2	—	29.0	28.2	30.8	30.7
252	Office furniture	—	37.6	38.3	37.7	39.7	—	29.0	29.6	29.6	31.5
254	Partitions and fixtures	—	51.5	50.5	50.9	51.1	—	40.3	39.4	39.0	38.5
253,9	Other furniture and fixtures	49.5	50.1	49.2	53.9	55.0	38.1	38.5	37.6	41.3	42.9
32	STONE, CLAY, AND GLASS PRODUCTS . . .	643.6	649.9	638.0	670.9	670.8	511.0	519.0	506.0	537.8	540.2
321	Flat glass	—	23.7	23.3	25.6	25.4	—	17.9	17.0	19.0	18.9
322	Glass and glassware, pressed or blown . . .	131.7	133.8	131.6	130.6	131.6	114.8	116.8	114.5	114.8	115.9
3221	Glass containers	—	78.8	75.9	74.7	74.0	—	70.6	67.8	67.7	67.2
3229	Pressed and blown glass, n e c	—	55.0	55.7	55.9	57.6	—	46.2	46.7	47.1	48.7
324	Cement, hydraulic	35.8	35.5	34.6	35.6	36.4	28.0	27.8	26.9	27.1	28.1
325	Structural clay products	59.3	59.9	57.5	65.6	66.0	48.5	49.0	46.7	54.3	54.7
3251	Brick and structural clay tile	—	26.5	25.5	29.6	29.4	—	23.0	22.0	26.1	25.8
326	Pottery and related products	—	43.6	42.6	44.6	45.5	—	36.1	35.3	37.6	38.7
327	Concrete, gypsum, and plaster products . .	189.4	189.0	184.8	196.8	195.7	148.0	148.2	143.7	154.7	154.3
328,9	Other stone and nonmetallic mineral products	(*)	137.0	136.5	144.3	141.8	(*)	101.8	100.7	108.4	106.9
3291	Abrasive products	—	26.7	27.0	27.9	27.9	—	18.4	18.7	19.4	19.3
33	PRIMARY METAL INDUSTRIES	1,318.5	1,329.0	1,319.4	1,374.3	1,383.4	1,045.8	1,056.5	1,047.1	1,097.3	1,108.9
331	Blast furnace and basic steel products . . .	(*)	642.1	630.2	666.2	660.0	(*)	512.2	501.6	533.4	529.0
3312	Blast furnaces and steel mills	—	562.0	552.1	582.2	577.1	—	450.2	441.6	468.6	465.5
332	Iron and steel foundries	(*)	229.2	232.4	227.9	237.8	(*)	191.5	194.1	190.3	200.2
3321	Gray iron foundries	—	143.1	145.9	141.0	149.6	—	121.7	124.1	119.5	128.3
3322	Malleable iron foundries	—	21.6	22.1	23.5	24.0	—	17.8	18.2	19.6	20.0
3323	Steel foundries	—	64.5	64.4	63.4	64.2	—	52.0	51.8	51.2	51.9
333,4	Nonferrous metals	(*)	86.8	85.9	88.2	87.1	(*)	66.9	66.2	68.2	67.5
3334	Primary aluminum	—	31.4	30.8	30.5	30.1	—	25.6	25.1	25.0	24.6
335	Nonferrous rolling and drawing	207.7	213.3	214.6	224.0	225.7	153.8	158.9	159.4	168.9	171.0
3351	Copper rolling and drawing	—	44.1	44.1	46.5	48.1	—	32.9	32.8	35.0	36.8
3352	Aluminum rolling and drawing	—	68.4	69.1	74.7	74.8	—	49.7	50.3	55.8	56.0
3357	Nonferrous wire drawing and insulating . .	—	78.2	78.6	79.1	79.2	—	60.3	60.3	61.4	61.5
336	Nonferrous foundries	82.5	85.7	85.3	91.9	95.2	67.4	70.3	70.1	76.1	79.3
3361	Aluminum castings	—	45.2	44.8	47.8	49.5	—	37.9	37.6	40.5	42.0
3362,9	Other nonferrous castings	—	40.5	40.5	44.1	45.7	—	32.4	32.5	35.6	37.3
339	Miscellaneous primary metal products . . .	70.0	71.9	71.0	76.1	77.6	54.9	56.7	55.7	60.4	61.9
3391	Iron and steel forgings	—	48.0	46.5	50.4	51.4	—	38.4	36.9	40.4	41.3
34	FABRICATED METAL PRODUCTS	1,381.6	1,401.1	1,385.6	1,428.9	1,456.9	1,049.1	1,068.2	1,053.8	1,093.9	1,124.0
341	Metal cans	73.6	72.2	70.1	72.3	72.4	62.3	61.4	59.5	61.2	61.5
342	Cutlery, hand tools, and hardware	(*)	154.3	155.2	162.1	166.7	(*)	118.7	119.7	126.3	131.3
3421,3,5	Cutlery and hand tools, incl. saws	—	65.2	65.4	66.0	67.1	—	50.1	50.2	51.0	51.9
3429	Hardware, n e c	—	89.1	89.8	96.1	99.6	—	68.6	69.5	75.3	79.4
343	Plumbing and heating, except electric . . .	81.9	81.6	81.2	84.5	87.5	59.6	60.1	59.3	62.1	64.9
3431,2	Sanitary ware & plumbers' brass goods . .	—	35.6	36.2	37.4	39.4	—	28.0	28.5	29.6	31.2
3433	Heating equipment, except electric	—	46.0	45.0	47.1	48.1	—	32.1	30.8	32.5	33.7
344	Fabricated structural metal products	430.5	429.5	419.1	436.8	437.0	309.9	308.9	299.7	314.2	316.9
3441	Fabricated structural steel	—	109.3	106.1	111.5	112.3	—	80.3	77.8	82.1	83.1
3442	Metal doors, sash, and trim	—	68.1	65.4	72.0	72.3	—	49.4	46.6	52.4	53.1
3443	Fabricated plate work (boiler shops)	—	122.6	121.5	118.8	118.1	—	86.5	85.8	81.9	82.7
3444	Sheet metal work	—	81.7	79.3	83.8	84.6	—	58.9	56.6	61.0	61.9
3446,9	Architectural and misc. metal work	—	47.8	46.8	50.7	49.7	—	33.8	32.9	36.8	36.1
345	Screw machine products, bolts, etc	108.9	110.7	110.8	112.8	114.9	83.8	85.8	85.7	88.7	90.8
3451	Screw machine products	—	49.2	49.2	51.3	51.8	—	40.8	40.9	43.3	43.9
3452	Bolts, nuts, rivets, and washers	—	61.5	61.6	61.5	63.1	—	45.0	44.8	45.4	46.9
346	Metal stampings	225.4	240.5	238.5	241.7	255.7	178.8	193.4	191.6	193.9	207.2
347	Metal services, n e c	86.5	90.0	89.4	92.9	94.4	71.4	73.9	73.3	77.0	78.4
348	Misc. fabricated wire products	65.8	64.1	63.8	68.4	69.4	52.5	50.4	50.0	54.7	55.5
349	Misc. fabricated metal products	157.1	158.2	157.5	157.4	158.9	114.5	115.6	115.0	115.8	117.5
3494,8	Valves, pipe, and pipe fittings	—	94.0	93.7	94.0	94.9	—	65.8	65.7	66.0	67.0

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	1,976.4	1,998.8	2,006.4	2,032.1	2,048.1	1,310.1	1,335.3	1,343.1	1,372.8	1,397.6
351	Engines and turbines	(*)	106.0	106.6	113.0	115.6	(*)	71.6	72.4	77.1	79.8
3511	Steam engines and turbines	—	40.2	39.4	40.4	40.6	—	24.5	24.1	23.2	23.6
3519	Internal combustion engines, n e c	—	65.8	67.2	72.6	75.0	—	47.1	48.3	53.9	56.2
352	Farm machinery	—	130.7	132.5	131.3	136.5	—	92.4	94.1	91.0	96.1
353	Construction and related machinery	292.2	293.4	294.4	297.5	297.7	191.1	194.4	195.0	198.8	200.3
3531,2	Construction and mining machinery	—	154.7	155.7	156.0	156.5	—	106.8	107.3	108.1	109.4
3533	Oil field machinery	—	47.4	47.0	46.1	46.7	—	32.7	32.3	32.1	32.5
3535,6	Conveyors, hoists, cranes, monorails	—	43.0	43.2	45.2	44.6	—	26.2	26.5	28.4	28.0
3537	Industrial trucks and tractors	—	32.9	33.4	34.5	34.3	—	20.7	21.1	21.9	22.1
354	Metal working machinery	(*)	328.2	332.6	335.9	341.7	(*)	241.6	245.7	248.1	254.4
3541	Machine tools, metal cutting types	—	72.9	73.4	77.7	78.4	—	48.2	48.6	51.9	52.9
3544	Special dies, tools, jigs, & fixtures	—	121.4	125.2	122.4	125.2	—	98.2	102.0	100.1	102.6
3545	Machine tool accessories	—	57.5	57.5	59.2	60.2	—	41.6	41.4	42.5	43.9
3542,8	Misc. metal working machinery	—	76.4	76.5	76.6	77.9	—	53.6	53.7	53.6	55.0
355	Special industry machinery	191.9	195.2	195.3	205.5	206.7	124.2	126.7	126.9	135.9	137.9
3551	Food products machinery	—	43.3	43.0	43.7	43.5	—	27.1	26.9	28.2	28.0
3552	Textile machinery	—	36.8	37.5	42.1	42.7	—	27.1	27.7	31.6	32.3
3555	Printing trades machinery	—	32.3	32.4	33.6	33.9	—	20.3	20.4	21.3	22.0
356	General industrial machinery	282.9	284.6	286.6	291.5	291.8	186.4	188.7	190.7	192.8	194.5
3561	Pumps and compressors	—	76.4	76.3	76.9	76.6	—	44.9	45.0	43.7	44.2
3562	Ball and roller bearings	—	60.9	60.9	63.1	63.4	—	46.9	46.9	48.6	49.2
3564	Blowers and fans	—	31.3	32.0	32.2	31.9	—	20.3	20.7	20.6	20.5
3566	Power transmission equipment	—	52.3	53.0	54.1	54.6	—	37.1	37.8	38.9	39.6
357	Office and computing machines	293.6	293.1	293.0	280.3	275.3	142.4	145.7	146.5	144.8	144.2
3573	Electronic computing equipment	—	196.5	196.2	186.4	182.4	—	76.3	76.9	77.1	77.2
358	Service industry machines	143.1	144.9	142.3	148.3	151.4	99.9	102.0	99.6	106.3	108.8
3585	Refrigeration machinery	—	96.5	94.4	98.9	100.1	—	68.6	66.8	72.1	72.8
359	Misc. machinery, except electrical	217.9	222.7	223.1	228.8	231.4	169.3	172.2	172.2	178.0	181.6
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,902.0	1,930.9	1,932.5	2,022.7	2,033.5	1,260.1	1,279.6	1,274.4	1,244.3	1,358.2
361	Electric test & distributing equipment	(*)	220.3	218.6	212.1	212.1	(*)	151.1	149.1	145.1	144.7
3611	Electric measuring instruments	—	71.4	72.3	71.3	70.4	—	44.7	45.5	45.3	44.9
3612	Transformers	—	60.6	60.2	58.0	56.9	—	44.4	43.7	42.4	41.1
3613	Switchgear and switchboard apparatus	—	88.3	86.1	82.8	84.8	—	62.0	59.9	57.4	58.7
362	Electrical industrial apparatus	218.6	220.3	217.9	230.4	229.6	151.3	152.7	149.7	161.5	161.7
3621	Motors and generators	—	117.6	117.6	125.1	124.2	—	83.3	83.1	89.5	89.1
3622	Industrial controls	—	59.4	57.3	63.4	63.3	—	37.9	35.9	41.5	41.9
363	Household appliances	(*)	182.9	181.6	189.2	192.2	(*)	146.9	145.7	150.2	153.2
3632	Household refrigerators and freezers	—	61.1	60.2	61.5	62.8	—	51.8	51.1	50.6	51.9
3633	Household laundry equipment	—	27.7	27.9	27.3	27.7	—	22.1	22.3	21.1	21.5
3634	Electric housewares and fans	—	43.8	43.3	46.6	47.9	—	34.5	34.1	36.9	38.1
364	Electric lighting and wiring equipment	206.7	208.9	207.7	201.5	207.3	159.7	161.3	161.1	154.2	159.9
3641	Electric lamps	—	47.2	47.4	39.9	39.7	—	42.3	42.3	35.2	35.0
3642	Lighting fixtures	—	64.6	64.1	63.8	66.9	—	49.4	48.9	48.8	51.9
3643,4	Wiring devices	—	97.1	96.2	97.8	100.7	—	69.6	69.9	70.2	73.0
365	Radio and TV receiving equipment	(*)	128.0	123.8	154.6	156.3	(*)	92.7	87.3	115.2	116.8
366	Communication equipment	(*)	500.0	502.2	527.4	524.6	(*)	251.5	248.6	257.0	254.9
3661	Telephone and telegraph apparatus	—	171.6	164.8	147.8	144.6	—	116.9	110.5	97.2	95.1
3662	Radio and TV communication equipment	—	328.4	337.4	379.6	380.0	—	134.6	138.1	159.8	159.8
367	Electronic components and accessories	345.2	351.3	362.6	387.9	390.5	223.4	232.7	243.1	270.1	274.5
3671-3	Electron tubes	—	60.3	63.4	71.2	70.7	—	39.9	42.7	49.0	48.7
3674,9	Other electronic components	—	291.0	299.2	316.7	319.8	—	192.8	200.4	221.1	225.8
369	Misc. electrical equipment & supplies	(*)	119.2	118.1	119.6	120.9	(*)	90.7	89.8	91.0	92.5
3694	Engine electrical equipment	—	61.0	60.4	64.0	65.2	—	47.0	46.4	49.6	50.8
37	TRANSPORTATION EQUIPMENT	1,776.5	1,890.0	1,897.2	2,022.9	2,086.8	1,223.0	1,323.4	1,322.1	1,409.1	1,474.6
371	Motor vehicles and equipment	(*)	873.6	871.0	856.7	923.4	(*)	680.7	676.0	651.4	719.0
3711	Motor vehicles	—	386.2	385.4	363.3	400.6	—	289.8	287.0	257.8	296.3
3712	Passenger car bodies	—	55.5	56.7	50.4	59.6	—	45.5	46.8	40.7	49.3
3713	Truck and bus bodies	—	40.4	40.1	41.6	41.6	—	32.7	32.6	34.2	34.2
3714	Motor vehicle parts and accessories	—	367.1	364.1	370.4	389.6	—	294.8	291.7	294.6	314.3
3715	Truck trailers	—	24.4	24.7	31.0	32.0	—	17.9	17.9	24.1	24.9
372	Aircraft and parts	(*)	689.3	697.8	817.7	809.8	(*)	379.0	382.5	470.8	465.1
3721	Aircraft	—	390.6	396.0	471.2	460.4	—	209.4	211.3	264.8	256.3
3722	Aircraft engines and engine parts	—	175.5	177.0	204.3	204.9	—	90.3	90.9	112.7	113.0
3723,9	Other aircraft parts and equipment	—	123.2	124.8	142.2	144.5	—	79.3	80.3	93.3	95.8
373	Ship and boat building and repairing	162.9	167.5	171.0	188.4	192.4	131.3	134.7	137.2	155.1	157.5
3731	Ship building and repairing	—	133.8	132.7	142.9	144.1	—	108.4	106.8	117.8	117.4

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
	<i>Durable Goods--Continued</i>										
	TRANSPORTATION EQUIPMENT--Continued										
3732	Boat building and repairing.....	-	33.7	38.3	45.5	48.3	-	26.3	30.4	37.3	40.1
374	Railroad equipment.....	-	53.6	53.0	52.5	51.6	-	41.4	40.9	41.3	40.3
375,9	Other transportation equipment.....	-	106.0	104.4	107.6	109.6	-	87.6	85.5	90.5	92.7
38	INSTRUMENTS AND RELATED PRODUCTS	459.6	465.0	465.5	477.4	480.5	278.3	283.7	283.7	293.3	297.0
381	Engineering & scientific instruments.....	-	69.2	70.0	77.2	78.9	-	34.1	34.1	37.3	38.1
382	Mechanical measuring & control devices.....	111.2	111.6	112.1	116.6	116.2	68.9	69.6	69.9	73.3	73.9
3821	Mechanical measuring devices.....	-	71.5	71.6	72.5	72.3	-	42.4	42.4	42.6	43.1
3822	Automatic temperature controls.....	-	40.1	40.5	44.1	43.9	-	27.2	27.5	30.7	30.8
383,5	Optical and ophthalmic goods.....	(*)	53.8	53.6	53.8	54.6	(*)	36.8	36.9	38.2	38.8
385	Ophthalmic goods.....	-	35.9	35.7	34.1	34.8	-	27.0	27.0	26.0	26.6
384	Medical instruments and supplies.....	84.3	85.0	85.1	82.6	82.3	55.4	56.9	57.1	56.1	56.1
386	Photographic equipment and supplies.....	(*)	111.4	110.7	113.0	111.8	(*)	58.5	58.0	60.9	60.2
387	Watches, clocks, and watchcases.....	-	34.0	34.0	34.2	36.7	-	27.8	27.7	27.5	29.9
	MISCELLANEOUS MANUFACTURING										
39	INDUSTRIES	410.7	425.6	422.4	433.7	444.0	314.5	328.6	325.0	337.9	348.3
391	Jewelry, silverware, and plated ware.....	(*)	51.5	51.5	51.6	53.9	(*)	39.0	38.7	38.5	41.2
394	Toys and sporting goods.....	-	117.7	115.1	124.5	125.1	-	94.7	92.2	103.1	103.5
3941-3	Games, toys, dolls, & play vehicles.....	-	67.9	64.5	73.2	71.8	-	54.9	51.6	61.4	59.8
3949	Sporting and athletic goods, n e c.....	-	49.8	50.6	51.3	53.3	-	39.8	40.6	41.7	43.7
395	Pens, pencils, office, and art supplies.....	-	35.8	35.5	33.6	35.5	-	25.7	25.6	23.6	25.4
396	Costume jewelry and notions.....	-	57.4	57.3	58.7	61.0	-	47.1	46.6	48.6	50.3
393,9	Other manufacturing industries.....	(*)	163.2	163.0	165.3	168.5	(*)	122.1	121.9	124.1	127.9
393	Musical instruments and parts.....	-	22.1	22.5	24.6	25.2	-	17.2	17.5	19.5	19.9
	<i>Non-durable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	1,828.7	1,793.4	1,736.7	1,832.6	1,788.1	1,232.2	1,198.9	1,149.9	1,229.6	1,191.1
201	Meat products.....	359.3	347.9	335.1	341.0	338.0	294.6	282.7	270.8	275.4	271.9
2011	Meat packing plants.....	-	186.2	183.6	186.0	185.5	-	146.6	144.1	144.8	144.2
2013	Sausages and other prepared meats.....	-	59.7	57.9	57.9	57.6	-	43.2	41.6	41.7	41.3
2015	Poultry dressing plants.....	-	102.0	93.6	97.1	94.9	-	92.9	85.1	88.9	86.4
202	Dairy products.....	249.5	249.0	243.6	257.3	257.0	120.5	120.6	115.6	123.3	123.4
2024	Ice cream and frozen desserts.....	-	26.4	24.7	28.2	28.1	-	14.0	12.9	15.0	15.0
2026	Fluid milk.....	-	174.4	172.6	180.6	180.4	-	68.8	66.9	70.1	70.1
203	Canned, cured, and frozen foods.....	-	270.2	246.8	303.1	271.9	-	224.0	201.9	256.4	225.9
2031,6	Canned, cured, and frozen sea foods.....	-	41.5	40.4	46.3	46.2	-	36.5	35.3	41.0	41.0
2032,3	Canned food, except sea foods.....	-	123.0	111.6	160.9	125.1	-	96.6	85.9	134.5	99.0
2037	Frozen fruits and vegetables.....	-	70.4	65.3	60.3	67.0	-	63.0	58.1	52.8	59.5
204	Grain mill products.....	141.0	138.7	135.8	137.0	135.5	101.7	99.2	96.6	97.4	96.9
2041	Flour and other grain mill products.....	-	28.6	28.1	28.0	28.5	-	21.0	20.6	20.6	21.1
2042	Prepared feeds for animals and fowls.....	-	68.0	66.5	66.8	65.8	-	46.4	44.9	44.5	44.3
205	Bakery products.....	285.1	282.7	279.9	283.8	284.6	168.1	166.5	164.6	166.3	167.0
2051	Bread, cake, and related products.....	-	237.1	234.3	239.3	239.6	-	129.7	127.7	130.6	130.5
2052	Cookies and crackers.....	-	45.6	45.6	44.5	45.0	-	36.8	36.9	35.7	36.5
206	Sugar.....	-	30.2	31.9	32.3	32.2	-	21.7	23.2	24.2	23.9
207	Confectionery and related products.....	(*)	82.2	79.7	82.2	84.4	(±)	66.0	64.0	66.7	68.8
2071	Confectionery products.....	-	65.3	63.3	65.2	67.8	-	53.3	51.8	54.0	56.4
208	Beverages.....	249.3	248.6	241.2	250.1	238.2	125.3	125.7	121.7	126.8	119.0
2082	Malt liquors.....	-	62.0	60.7	59.2	54.7	-	41.4	40.6	38.1	35.1
2086	Bottled and canned soft drinks.....	-	138.9	133.6	141.8	136.8	-	52.6	49.9	55.2	52.5
209	Misc. foods and kindred products.....	143.1	143.9	142.7	145.8	146.3	92.0	92.5	91.5	93.1	94.3
21	TOBACCO MANUFACTURES	72.1	71.4	70.8	71.9	72.0	58.8	58.4	57.7	59.1	59.1
211	Cigarettes.....	-	42.0	41.2	40.8	40.9	-	34.0	33.1	33.1	33.1
212	Cigars.....	-	17.4	17.4	16.8	18.6	-	15.8	15.8	15.3	17.1
22	TEXTILE MILL PRODUCTS	949.3	970.4	967.2	992.0	1,012.5	832.3	852.7	849.0	874.0	894.1
221	Weaving mills, cotton.....	221.4	222.1	221.1	225.9	226.7	200.6	201.7	200.7	205.1	206.0
222	Weaving mills, synthetics.....	94.2	95.9	96.1	100.4	102.0	82.4	84.3	84.5	89.6	91.5
223	Weaving and finishing mills, wool.....	(*)	40.9	40.9	42.1	43.9	(*)	35.2	35.1	36.1	37.8
224	Narrow fabric mills.....	29.7	30.2	30.4	31.6	32.3	26.1	26.7	26.8	28.1	28.7
225	Knitting mills.....	230.4	239.2	237.6	247.7	255.2	201.6	210.3	208.4	218.0	225.7
2251	Women's hosiery, except socks.....	-	64.7	64.0	67.9	68.5	-	58.2	57.5	61.4	62.2
2252	Hosiery, n e c.....	-	35.8	35.4	36.9	37.3	-	31.9	31.5	33.2	33.7
2253	Knit underwear mills.....	-	69.6	68.5	71.1	75.4	-	60.4	59.2	60.9	65.0
2254	Knit underwear mills.....	-	29.7	29.6	32.6	33.0	-	26.1	25.9	28.8	29.1

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)											
SIC Code	Industry	All employees					Production workers ¹				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
<i>Nondurable Goods--Continued</i>											
TEXTILE MILL PRODUCTS--Continued											
226	Textile finishing, except wool	81.6	83.3	82.8	80.9	82.6	69.1	70.6	70.1	68.3	69.9
227	Floor covering mills	—	52.9	53.0	55.5	56.0	—	41.8	41.7	44.6	45.0
228	Yarn and thread mills	128.0	131.3	130.3	129.1	131.3	117.8	121.0	120.3	119.6	121.4
229	Miscellaneous textile goods	(*)	74.6	75.0	78.8	82.5	(*)	61.1	61.4	64.6	68.1
23	APPAREL AND OTHER TEXTILE PRODUCTS...	1,344.2	1,400.7	1,372.4	1,369.2	1,434.5	1,176.9	1,228.6	1,202.0	1,197.3	1,260.9
231	Men's and boys' suits and coats	(*)	129.5	129.4	127.5	137.1	(*)	112.9	112.8	111.9	120.4
232	Men's and boys' furnishings	379.7	387.2	380.8	364.4	374.0	336.9	343.3	337.4	322.1	332.0
2321	Men's and boys' shirts and nightwear ...	—	126.3	123.6	115.2	117.3	—	113.4	110.7	103.0	105.2
2327	Men's and boys' separate trousers	—	82.5	80.9	80.7	83.0	—	74.7	73.4	72.9	75.7
2328	Men's and boys' work clothing	—	86.5	85.8	82.8	84.8	—	74.3	73.7	71.2	73.4
233	Women's and misses' outerwear	413.8	430.3	416.6	414.6	439.6	366.6	381.7	368.3	365.6	389.9
2331	Women's and misses' blouses and waists .	—	54.0	53.3	49.9	51.8	—	48.4	47.8	44.2	46.2
2335	Women's and misses' dresses	—	201.4	197.2	191.5	206.9	—	181.2	176.8	170.9	186.0
2337	Women's and misses' suits and coats ...	—	82.9	73.4	88.2	88.9	—	73.2	63.8	78.1	78.7
2339	Women's and misses' outerwear, n e c ...	—	92.0	92.7	85.0	92.0	—	78.9	79.9	72.4	79.0
234	Women's and children's undergarments ...	111.1	116.2	116.0	120.6	126.1	95.2	100.3	100.3	104.6	109.8
2341	Women's and children's underwear	—	82.3	81.6	82.8	86.1	—	72.2	71.6	73.0	76.0
2342	Corsets and allied garments	—	33.9	34.4	37.8	40.0	—	28.1	28.7	31.6	33.8
235	Hats, caps, and millinery	—	19.0	18.0	20.8	21.3	—	17.2	16.3	18.7	19.2
236	Children's outerwear	76.2	79.1	76.9	76.4	80.1	68.1	70.5	68.4	67.8	71.4
2361	Children's dresses and blouses	—	34.3	33.4	34.2	35.4	—	31.0	30.1	30.9	32.0
237,8	Fur goods and miscellaneous apparel	—	74.4	72.6	78.0	81.2	—	64.0	62.2	67.2	70.3
239	Misc. fabricated textile products	(*)	165.0	162.1	166.9	175.1	(*)	138.7	136.3	139.4	147.9
2391,2	Housefurnishings	—	63.3	61.8	63.8	65.3	—	54.4	52.9	54.6	56.0
26	PAPER AND ALLIED PRODUCTS	709.7	720.7	707.8	715.7	720.8	546.6	557.8	546.1	553.2	559.9
261,2,6	Paper and pulp mills	227.8	230.3	225.3	229.1	229.7	175.8	178.7	174.0	178.4	180.1
263	Paperboard mills	72.6	72.9	71.7	71.2	71.2	58.2	58.8	57.9	56.3	56.3
264	Misc. converted paper products	187.5	189.7	187.6	187.7	188.7	136.2	138.1	136.4	135.9	137.4
2643	Bags, except textile bags	—	42.7	42.3	42.0	42.0	—	34.0	34.1	33.9	33.9
265	Paperboard containers and boxes	(*)	227.8	223.2	227.7	231.2	(*)	182.2	177.8	182.6	186.1
2651,2	Folding and setup paperboard boxes	—	68.8	67.1	68.2	69.2	—	56.9	55.3	56.7	57.9
2653	Corrugated and solid fiber boxes	—	109.0	106.8	109.9	111.4	—	83.8	81.8	85.2	86.7
2654	Sanitary food containers	—	30.1	29.6	29.3	30.0	—	25.0	24.5	23.8	24.4
27	PRINTING AND PUBLISHING	1,098.6	1,103.7	1,102.3	1,092.5	1,092.3	672.4	679.5	679.2	678.1	680.4
271	Newspapers	374.0	374.2	372.8	369.1	369.0	181.8	181.6	181.7	179.8	180.1
272	Periodicals	—	74.5	75.0	74.8	73.7	—	24.9	25.0	25.9	25.6
273	Books	—	99.0	99.7	97.9	97.6	—	54.7	55.2	54.3	54.7
275	Commercial printing	349.1	353.5	354.4	346.8	349.9	268.3	272.2	272.9	268.8	272.1
2751	Commercial printing, ex. lithographic ...	—	214.8	214.8	211.9	214.6	—	166.6	166.9	166.0	168.6
2752	Commercial printing, lithographic	—	127.2	127.9	123.3	124.2	—	97.0	97.3	94.0	95.1
278	Blankbooks and bookbinding	59.5	59.2	57.7	59.1	58.2	48.6	48.8	47.2	48.7	48.0
274,6,7,9	Other publishing & printing ind.	142.1	143.3	142.7	144.8	143.9	96.5	97.3	97.2	100.6	99.9
28	CHEMICALS AND ALLIED PRODUCTS...	1,064.6	1,064.9	1,058.3	1,076.1	1,072.9	607.0	608.5	606.8	627.6	631.4
281	Industrial chemicals	322.9	321.5	316.6	324.5	322.4	173.1	172.2	169.3	176.8	177.2
2812	Alkalies and chlorine	—	22.8	22.5	22.9	23.0	—	15.7	15.5	16.0	16.1
2818	Industrial organic chemicals, n e c ...	—	132.9	130.0	131.9	130.5	—	58.4	56.7	58.4	58.3
2819	Industrial inorganic chemicals, n e c ...	—	97.6	96.0	100.9	100.3	—	53.8	52.8	58.7	58.3
282	Plastics materials and synthetics	225.6	225.6	224.4	228.5	227.3	146.4	146.6	146.0	149.5	149.2
2821	Plastics materials and resins	—	97.4	96.1	96.8	96.8	—	59.0	58.2	58.6	58.9
2823,4	Synthetic fibers	—	114.5	114.8	117.9	116.8	—	78.4	78.7	81.9	81.3
283	Drugs	153.3	151.4	150.0	146.6	143.4	74.0	72.9	73.4	71.5	71.3
2834	Pharmaceutical preparations	—	117.1	116.8	114.6	111.8	—	55.1	56.3	56.0	55.6
284	Soap, cleaners, and toilet goods	126.2	126.5	124.0	124.4	124.0	71.5	72.2	70.2	73.4	73.1
2841	Soap and other detergents	—	41.9	40.8	41.4	40.9	—	27.1	26.1	27.2	26.7
2844	Toilet preparations	—	50.4	49.9	49.8	50.2	—	28.8	28.3	30.5	30.8
285	Paints and allied products	73.3	72.4	71.0	74.1	73.3	41.6	40.8	39.4	41.5	40.9
287	Agricultural chemicals	55.5	59.0	64.0	54.2	58.1	32.5	35.4	40.3	32.4	36.6
2871,2	Fertilizers, complete & mixing only	—	40.8	46.1	36.2	40.4	—	26.2	31.3	23.2	27.5
286,9	Other chemical products	107.8	108.5	108.3	123.8	124.4	67.9	68.4	68.2	82.5	83.1
2892	Explosives	—	34.9	35.2	47.0	47.3	—	25.2	25.4	36.4	36.6
29	PETROLEUM AND COAL PRODUCTS	197.4	196.8	191.9	195.3	192.9	122.0	121.8	117.6	122.4	120.8
291	Petroleum refining	156.4	155.9	152.7	154.7	153.0	92.2	92.1	89.5	92.6	91.7
295,9	Other petroleum and coal products	41.0	40.9	39.2	40.6	39.9	29.8	29.7	28.1	29.8	29.1

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)										
		All employees					Production workers ¹					
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	
	<i>Nondurable Goods--Continued</i>											
30	RUBBER AND PLASTICS PRODUCTS, N E C	569.0	566.4	543.2	588.8	599.4	431.9	430.3	408.2	454.4	465.8	
301	Tires and inner tubes	(*)	107.6	90.9	119.4	118.7	(*)	71.4	55.0	83.5	83.8	
302, 3, 6	Other rubber products	(*)	168.1	165.3	180.8	184.1	(*)	129.1	127.2	141.3	144.5	
302	Rubber footwear	-	24.2	23.7	24.9	26.3	-	20.8	20.2	20.9	22.3	
307	Miscellaneous plastics products	283.7	290.7	287.0	288.6	296.6	222.4	229.8	226.0	229.6	237.5	
31	LEATHER AND LEATHER PRODUCTS . . .	325.3	334.5	329.2	341.2	350.2	278.5	287.5	280.8	291.8	300.8	
311	Leather tanning and finishing	27.1	28.3	28.0	29.0	30.1	23.4	24.5	24.2	25.2	26.1	
314	Footwear, except rubber	(*)	224.0	221.2	226.1	230.4	(*)	196.2	192.0	196.4	200.9	
312, 3, 5, 7, 9	Other leather products	79.6	82.2	80.0	86.1	89.7	64.6	66.8	64.6	70.2	73.8	
316	Luggage	-	18.0	17.9	21.4	21.9	-	13.8	13.6	17.1	17.6	
317	Handbags and personal leather goods	-	35.3	33.4	36.2	37.2	-	29.8	27.9	30.5	31.3	
-	TRANSPORTATION AND PUBLIC UTILITIES	4,561	4,547	4,469	4,507	4,494	3,958	3,945	3,865	3,926	3,907	
40	RAILROAD TRANSPORTATION	-	640.6	633.1	655.1	657.4	-	-	-	-	-	
4011	Class I railroads ²	-	572.3	565.0	582.8	584.3	-	-	-	-	-	
	LOCAL AND INTERURBAN PASSENGER TRANSIT	-	285.0	293.0	261.7	277.4	-	-	-	-	-	
411	Local and suburban transportation	-	75.7	75.6	77.3	78.2	-	71.2	71.2	73.0	73.9	
412	Taxicabs	-	115.0	113.9	108.7	108.4	-	-	-	-	-	
413	Intercity highway transportation	-	43.6	43.5	44.5	43.8	-	40.0	40.0	40.8	40.3	
42	TRUCKING AND WAREHOUSING	-	1,103.5	1,051.2	1,101.2	1,101.6	-	996.2	942.2	1,000.7	999.8	
421, 3	Trucking and trucking terminals	-	1,017.0	968.0	1,015.6	1,017.0	-	922.4	870.9	926.2	926.4	
422	Public warehousing	-	86.5	83.2	85.6	84.6	-	73.8	71.3	74.5	73.4	
45	TRANSPORTATION BY AIR	-	351.4	348.8	359.9	356.0	-	-	-	-	-	
451, 2	Air transportation	-	318.9	316.2	326.4	322.6	-	-	-	-	-	
46	PIPE LINE TRANSPORTATION	-	18.1	17.2	18.7	18.5	-	14.5	13.6	15.2	15.2	
44, 47	OTHER TRANSPORTATION AND SERVICES	-	333.7	331.3	351.2	356.6	-	-	-	-	-	
44	WATER TRANSPORTATION	-	226.1	226.1	245.1	253.6	-	-	-	-	-	
47	TRANSPORTATION SERVICES	-	107.6	105.2	106.1	103.0	-	-	-	-	-	
48	COMMUNICATION	-	1,129.2	1,118.5	1,069.7	1,053.4	-	885.8	874.2	846.2	826.4	
481	Telephone communication	-	940.0	930.3	887.9	873.9	-	747.6	737.4	714.0	695.6	
482	Telegraph communication ³	-	31.4	31.7	32.8	32.6	-	21.4	21.5	22.6	22.5	
483	Radio and television broadcasting	-	137.8	136.9	132.4	130.6	-	109.4	108.2	104.0	102.8	
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	692.0	675.5	689.0	673.0	-	596.9	580.5	593.9	578.2	
491	Electric companies and systems	-	285.4	280.5	284.0	279.8	-	243.6	239.0	243.2	239.2	
492	Gas companies and systems	-	164.4	159.0	164.7	162.4	-	140.8	135.4	140.9	138.8	
493	Combination companies and systems	-	189.1	184.5	189.5	181.1	-	165.8	161.1	165.0	156.4	
494-7	Water, steam, & sanitary systems	-	53.1	51.5	50.8	49.7	-	46.7	45.0	44.8	43.8	
-	WHOLESALE AND RETAIL TRADE	14,913	15,009	14,878	14,663	14,713	13,259	13,360	13,228	13,053	13,109	
50	WHOLESALE TRADE	3,886	3,878	3,813	3,787	3,758	3,269	3,266	3,202	3,188	3,165	
501	Motor vehicles & automotive equipment	-	325.2	321.6	310.5	307.0	-	266.2	263.5	256.7	254.4	
502	Drugs, chemicals, and allied products	-	235.9	232.5	227.2	226.7	-	192.1	188.4	186.0	186.3	
503	Dry goods and apparel	-	151.4	149.0	149.5	149.0	-	118.8	117.0	119.3	118.8	
504	Groceries and related products	-	571.6	543.4	565.4	561.9	-	504.0	475.6	496.0	493.4	
506	Electrical goods	-	331.2	324.6	311.1	305.2	-	208.4	274.4	259.8	254.3	
507	Hardware, plumbing & heating equipment	-	173.4	171.2	172.7	171.2	-	146.7	144.7	146.3	144.9	
508	Machinery, equipment, and supplies	-	755.2	753.6	734.1	730.3	-	644.5	642.0	623.8	620.0	
509	Miscellaneous wholesalers	-	1,252.3	1,237.3	1,227.1	1,218.6	-	1,045.7	1,031.5	1,027.6	1,021.1	
52-59	RETAIL TRADE	11,027	11,131	11,065	10,876	10,955	9,990	10,094	10,026	9,865	9,944	
53	RETAIL GENERAL MERCHANDISE	-	2,249.4	2,255.6	2,189.7	2,218.0	-	2,061.4	2,066.9	2,008.6	2,037.4	
531	Department stores	-	1,457.4	1,459.2	1,425.8	1,445.2	-	1,337.7	1,339.3	1,309.2	1,329.2	
532	Mail order houses	-	121.4	120.3	121.8	123.0	-	112.4	111.3	113.2	114.0	
533	Variety stores	-	316.2	319.3	308.5	314.2	-	292.4	295.1	284.2	290.7	
54	FOOD STORES	-	1,735.2	1,739.4	1,653.2	1,673.6	-	1,612.7	1,616.3	1,540.7	1,559.7	
541-3	Grocery, meat, and vegetable stores	-	1,563.7	1,567.5	1,490.6	1,505.2	-	1,452.6	1,455.7	1,389.5	1,403.2	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		July 1970 P	June 1970 P	May 1970	July 1969	June 1969	July 1970 P	June 1970 P	May 1970	July 1969	June 1969
-	WHOLESALE AND RETAIL TRADE (Continued)										
56	APPAREL AND ACCESSORY STORES	-	701.3	705.2	689.9	719.4	-	628.8	632.0	618.2	646.8
561	Men's & boys' clothing & furnishings.	-	127.9	127.9	120.1	125.1	-	114.5	114.1	107.2	112.4
562	Women's ready-to-wear stores	-	262.5	265.5	260.8	269.9	-	235.5	238.1	234.4	243.0
565	Family clothing stores	-	100.5	101.6	104.6	107.5	-	93.5	94.5	97.1	99.9
566	Shoe stores	-	137.0	137.1	136.2	144.6	-	120.3	120.6	119.4	127.3
57	FURNITURE AND HOME FURNISHINGS STORES	-	453.3	450.2	454.6	454.2	-	396.0	392.3	397.8	397.7
571	Furniture and home furnishings	-	287.5	285.7	288.7	288.4	-	249.9	247.7	251.6	251.4
58	EATING AND DRINKING PLACES	-	2,568.0	2,520.0	2,510.4	2,500.8	-	2,409.1	2,360.4	2,350.7	2,341.4
52,55,59	OTHER RETAIL TRADE	-	3,423.5	3,394.1	3,378.5	3,389.0	-	2,985.8	2,957.8	2,949.0	2,960.8
52	Building materials and farm equipment	-	570.0	554.6	570.1	567.3	-	490.5	475.1	491.9	489.5
55	Automotive dealers & service stations	-	1,626.4	1,607.9	1,622.8	1,622.6	-	-	-	-	-
551,2	Motor vehicle dealers	-	771.5	767.5	780.3	778.0	-	652.6	649.4	662.8	660.6
553,9	Other automotive & accessory dealers	-	236.8	232.7	229.8	229.4	-	204.8	200.3	198.9	198.4
554	Gasoline service stations	-	618.1	607.7	612.7	615.2	-	-	-	-	-
59	Miscellaneous retail stores	-	1,227.1	1,231.6	1,185.6	1,199.1	-	-	-	-	-
591	Drug stores and proprietary stores	-	439.3	437.3	437.4	444.3	-	391.7	389.9	391.0	397.9
594	Book and stationery stores	-	63.8	65.7	60.8	61.7	-	54.8	56.5	52.0	53.0
596	Farm and garden supply stores	-	111.0	114.0	105.9	108.4	-	-	-	-	-
598	Fuel and ice dealers	-	102.4	102.8	101.5	101.3	-	88.7	89.0	88.0	87.9
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	3,738	3,701	3,670	3,628	3,584	2,966	2,932	2,900	2,896	2,853
60	Banking	-	1,053.2	1,038.0	1,007.8	985.7	-	869.2	854.9	839.2	817.7
61	Credit agencies other than banks	-	371.9	370.4	365.5	360.7	-	290.6	288.7	286.7	282.2
612	Savings and loan associations	-	108.7	107.7	105.8	103.4	-	86.8	85.7	84.9	82.6
614	Personal credit institutions	-	194.7	194.7	194.8	193.2	-	-	-	-	-
62	Security, commodity brokers & services	-	194.5	203.3	228.1	225.8	-	166.5	172.9	202.1	198.9
63	Insurance carriers	-	1,056.6	1,051.7	1,014.9	1,010.9	-	741.3	738.6	708.3	706.0
631	Life insurance	-	547.5	546.2	523.6	526.7	-	325.4	323.9	305.2	309.4
632	Accident and health insurance	-	94.7	93.6	87.9	87.1	-	81.8	80.4	76.0	75.1
633	Fire, marine, and casualty insurance	-	369.4	367.7	357.7	352.0	-	296.8	297.5	288.6	283.7
64	Insurance agents, brokers, and service	-	277.1	273.7	267.9	262.8	-	-	-	-	-
65	Real estate	-	664.3	649.8	659.2	654.6	-	-	-	-	-
655	Subdividers and developers	-	95.6	93.0	94.3	93.8	-	-	-	-	-
656	Operative builders	-	43.6	42.6	49.2	47.9	-	-	-	-	-
66,67	Other finance, insurance, & real estate	-	83.0	83.3	84.7	83.7	-	-	-	-	-
-	SERVICES	11,668	11,700	11,641	11,384	11,353	10,599	10,639	10,589	10,396	10,365
70	Hotels and other lodging places	-	788.3	759.6	856.5	784.2	-	-	-	-	-
701	Hotels, tourist courts, and motels	-	698.6	681.4	728.5	706.0	-	648.9	631.8	676.9	655.4
72	Personal services	-	1,012.6	1,009.8	1,036.9	1,043.2	-	-	-	-	-
721	Laundries and dry cleaning plants	-	518.1	516.5	547.0	548.1	-	471.6	469.6	499.0	499.9
722	Photographic studios	-	38.5	38.9	37.3	37.7	-	32.7	33.2	32.4	32.9
73	Miscellaneous business services	-	1,559.0	1,562.3	1,535.2	1,528.8	-	-	-	-	-
731	Advertising	-	123.6	123.3	122.6	122.0	-	-	-	-	-
732	Credit reporting and collection	-	77.9	77.0	76.4	76.9	-	-	-	-	-
734	Services to buildings	-	294.5	290.3	270.4	270.6	-	-	-	-	-
76	Miscellaneous repair services	-	179.7	180.3	179.4	178.7	-	-	-	-	-
78	Motion pictures	-	198.9	192.3	214.9	212.1	-	-	-	-	-
781	Motion picture filming & distributing	-	48.5	45.1	59.6	57.5	-	33.0	30.5	38.2	37.6
782,3	Motion picture theaters and services	-	150.4	147.2	155.3	154.6	-	-	-	-	-
80	Medical and other health services	-	3,088.9	3,043.2	2,903.3	2,880.4	-	-	-	-	-
806	Hospitals	-	1,887.4	1,862.1	1,795.0	1,775.2	-	-	-	-	-
81	Legal services	-	241.1	230.9	230.6	224.4	-	-	-	-	-
82	Educational services	-	1,105.7	1,190.7	974.7	1,070.7	-	-	-	-	-
821	Elementary and secondary schools	-	392.5	403.3	323.7	376.4	-	-	-	-	-
822	Colleges and universities	-	621.6	690.0	564.1	604.1	-	-	-	-	-
89	Miscellaneous services	-	655.7	644.4	649.3	633.9	-	-	-	-	-
891	Engineering & architectural services	-	308.6	302.8	317.0	312.4	-	-	-	-	-
892	Nonprofit research agencies	-	106.1	105.8	107.4	106.0	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969	July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969
-	GOVERNMENT	12,107	12,659	12,726	11,793	12,328	-	-	-	-	-
91	FEDERAL GOVERNMENT ⁵	2,707	2,710	2,765	2,842	2,832	-	-	-	-	-
	Executive	-	2,672.7	2,728.6	2,804.9	2,795.9	-	-	-	-	-
	Department of Defense	-	1,044.7	1,048.1	1,167.5	1,162.4	-	-	-	-	-
	Post Office Department	-	723.9	716.5	739.8	736.6	-	-	-	-	-
	Other agencies	-	904.1	964.0	897.6	896.9	-	-	-	-	-
	Legislative	-	30.6	29.5	29.9	29.5	-	-	-	-	-
	Judicial	-	6.8	6.8	6.7	6.7	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	9,400	9,949	9,961	8,951	9,496	-	-	-	-	-
92	State government	-	2,676.6	2,691.1	2,445.8	2,549.9	-	-	-	-	-
	State education	-	1,087.0	1,142.1	902.4	1,026.6	-	-	-	-	-
	Other State government	-	1,589.6	1,549.0	1,543.4	1,523.3	-	-	-	-	-
93	Local government	-	7,272.3	7,269.9	6,504.9	6,946.4	-	-	-	-	-
	Local education	-	4,029.0	4,160.6	3,316.7	3,856.4	-	-	-	-	-
	Other local government	-	3,243.3	3,109.3	3,188.2	3,090.0	-	-	-	-	-

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

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.

*Not available.

p = preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	April 1970		January 1970		April 1969	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
-	TOTAL	26,166	37	25,862	37	25,395	36
-	PRIVATE SECTOR	20,661	36	20,515	36	20,123	35
-	MINING	37	6	37	6	36	6
10	METAL MINING	2.7	3	2.6	3	2.6	3
11,12	COAL MINING	2.3	2	2.3	2	2.1	2
13	OIL AND GAS EXTRACTION	26.7	10	27.2	10	26.6	10
131,2	Crude petroleum and natural gas fields	18.1	13	18.7	13	18.9	13
138	Oil and gas field services	8.6	7	8.5	6	7.7	6
14	NONMETALLIC MINERALS, EXCEPT FUELS	5.1	4	5.0	5	5.0	4
142	Crushed and broken stone	1.9	5	1.8	5	1.8	5
144	Sand and gravel	1.4	4	1.4	4	1.4	4
-	CONTRACT CONSTRUCTION	166	5	169	6	160	5
15	GENERAL BUILDING CONTRACTORS	45.4	5	46.0	5	43.8	4
16	HEAVY CONSTRUCTION CONTRACTORS	29.2	4	29.8	5	26.9	4
161	Highway and street construction	10.1	3	10.6	5	10.1	4
162	Heavy construction, n e c	19.1	5	19.2	5	16.8	5
17	SPECIAL TRADE CONTRACTORS	91.5	6	92.7	6	89.0	5
171	Plumbing, heating, air conditioning	27.6	7	28.2	7	27.2	7
172	Painting, paper hanging, decorating	7.5	6	7.2	7	6.9	6
173	Electrical work	14.3	5	14.6	5	14.3	5
174	Masonry, stonework, and plastering	8.1	4	8.5	4	8.5	4
176	Roofing and sheet metal work	7.3	6	7.4	7	6.9	6
-	MANUFACTURING	5,484	28	5,551	28	5,591	28
19,24,25,32-39	DURABLE GOODS	2,339	20	2,375	20	2,426	20
20-23,26-31	NONDURABLE GOODS	3,145	39	3,176	39	3,165	39
	<i>Durable Goods</i>						
19	ORDNANCE AND ACCESSORIES	65.7	25	74.0	26	88.7	27
192	Ammunition, except for small arms	49.3	27	55.9	28	68.3	28
1925	Complete guided missiles	19.0	18	20.7	18	24.4	19
1929	Ammunition, exc. for small arms, n e c	30.3	38	35.2	39	43.9	39
24	LUMBER AND WOOD PRODUCTS	62.0	11	62.7	11	63.5	11
241	Logging camps, & logging contractors	3.7	5	3.9	5	3.3	5
242	Sawmills and planing mills	12.6	6	13.1	6	12.8	6
2421	Sawmills and planing mills, general	9.0	5	9.2	5	9.1	5
243	Millwork, plywood & related products	18.9	12	19.0	12	20.8	12
2431	Millwork	9.7	14	9.7	14	11.1	15
2432	Veneer and plywood	7.4	10	7.6	10	8.3	11
244	Wooden containers	6.7	19	6.8	20	6.6	18
2441,2	Wooden boxes, shook, and crates	5.5	20	5.6	20	5.5	19
249	Miscellaneous wood products	20.1	22	20.1	22	20.0	23
25	FURNITURE AND FIXTURES	113.5	25	115.6	24	115.1	24
251	Household furniture	86.7	27	87.8	27	87.8	26
2511	Wood household furniture	37.5	23	38.9	23	40.6	23
2512	Upholstered household furniture	26.3	31	26.6	31	26.3	29
2515	Mattresses and bedsprings	10.8	29	11.4	30	11.1	29
252	Office furniture	6.3	16	6.6	16	6.0	16
254	Partitions and fixtures	5.9	12	5.7	11	5.7	11
253,9	Other furniture and fixtures	14.6	29	15.5	29	15.6	29
32	STONE, CLAY, AND GLASS PRODUCTS	106.5	17	105.6	17	105.5	16
321	Flat glass	1.7	7	1.7	7	1.6	6
322	Glass and glassware, pressed or blown	43.5	33	41.6	33	42.0	33
3221	Glass containers	27.4	37	25.6	36	25.4	36
3229	Pressed and blown glass n e c	16.1	29	16.0	29	16.6	29
324	Cement, hydraulic	1.4	4	1.4	4	1.3	4
325	Structural clay products	6.7	11	6.7	11	7.3	11
3251	Brick and structural clay tile	1.3	5	1.3	5	1.2	4
326	Pottery and related products	14.6	33	14.7	33	14.7	33
327	Concrete, gypsum, and plaster products	11.0	6	11.0	6	10.3	6
328,9	Other stone and nonmetallic mineral products	19.7	14	20.4	15	20.2	14
3291	Abrasive products	5.4	20	5.6	20	5.7	21

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

SIC Code	Industry	April 1969		January 1970		April 1969	
		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	95.8	7	97.5	7	93.3	7
331	Blast furnace and basic steel products	29.4	5	29.1	5	27.8	4
3312	Blast furnaces and steel mills	22.4	4	22.0	4	20.5	4
332	Iron and steel foundries	12.2	5	12.5	5	11.1	5
3321	Gray iron foundries	6.5	4	6.7	4	5.9	4
3322	Malleable iron foundries	1.2	5	1.2	5	1.2	5
3323	Steel foundries	4.5	7	4.6	7	4.0	6
333,4	Nonferrous metals	3.7	4	3.8	4	3.7	4
3334	Primary aluminum . . . . .	.9	3	.9	3	.9	3
335	Nonferrous rolling and drawing	33.0	15	33.8	15	32.2	15
3351	Copper rolling and drawing	3.6	8	3.8	8	3.8	8
3352	Aluminum rolling and drawing	6.8	10	6.9	10	6.7	9
3357	Nonferrous wire drawing and insulating	18.9	24	19.3	25	18.1	24
336	Nonferrous foundries	12.0	14	12.7	14	12.8	14
3361	Aluminum castings	5.1	11	5.2	11	5.1	11
3362,9	Other nonferrous castings	6.9	17	7.5	17	7.7	17
339	Miscellaneous primary metal products	5.5	8	5.6	7	5.7	7
3391	Iron and steel forgings	2.9	6	3.0	6	3.0	6
34	FABRICATED METAL PRODUCTS	256.1	18	265.5	19	264.3	18
341	Metal cans	11.2	16	11.6	17	11.4	16
342	Cutlery, hand tools, and hardware	51.2	32	54.0	33	54.9	33
3421,3,5	Cutlery and hand tools, incl. saws	17.5	22	18.1	27	16.8	26
3429	Hardware, n e c	33.7	37	35.9	37	38.1	38
343	Plumbing and heating, except electric	13.2	16	13.7	16	13.4	16
3431,2	Sanitary ware & plumbers' brass goods	6.8	19	7.0	18	7.1	18
3433	Heating equipment, except electric	6.4	14	6.7	14	6.3	14
344	Fabricated structural metal products	41.6	10	42.3	10	41.2	10
3441	Fabricated structural steel	5.6	5	5.7	5	5.5	5
3442	Metal doors, sash, and trim	13.2	21	13.7	21	14.2	21
3443	Fabricated plate work (boiler shops)	8.3	7	8.2	7	7.9	7
3444	Sheet metal work	10.1	13	10.3	13	9.7	12
3446,9	Architectural and misc. metal work	4.4	9	4.4	9	3.9	8
345	Screw machine products, bolts, etc.	24.2	21	25.5	22	24.3	21
3451	Screw machine products	12.0	24	12.5	24	12.0	24
3452	Bolts, nuts, rivets, and washers	12.2	19	13.0	20	12.3	20
346	Metal stampings	50.7	21	52.3	21	52.9	21
347	Metal services, n e c	17.9	20	18.9	20	18.7	20
348	Misc. fabricated wire products	16.3	25	17.4	25	17.7	25
349	Misc. fabricated metal products	29.8	19	29.8	19	29.8	19
3494,8	Valves, pipe, and pipe fittings	16.5	17	16.7	17	16.5	18
35	MACHINERY, EXCEPT ELECTRICAL	306.3	15	310.3	15	300.9	15
351	Engines and turbines	15.0	14	15.9	16	15.7	14
3511	Steam engines and turbines	4.4	11	4.5	17	4.4	11
3519	Internal combustion engines, n e c	10.6	15	11.4	16	11.3	15
352	Farm machinery	13.8	10	14.0	10	13.9	10
353	Construction and related machinery	27.4	9	27.4	9	26.0	9
3531,2	Construction and mining machinery	12.2	8	12.1	8	11.7	8
3533	Oil field machinery	4.4	9	4.4	9	4.0	9
3535,6	Conveyors, hoists, cranes, monorails	4.8	11	4.9	11	4.7	11
3537	Industrial trucks and tractors	3.3	9	3.4	9	3.3	10
354	Metal working machinery	39.3	12	39.6	11	39.1	11
3541	Machine tools, metal cutting types	7.4	10	7.6	10	7.3	9
3544	Special dies, tools, jigs & fixtures	9.2	7	9.1	7	9.3	7
3545	Machine tool accessories	11.3	19	11.2	19	11.3	19
3542,8	Misc. metal working machinery	11.4	14	11.7	15	11.2	14
355	Special industry machinery	24.0	12	24.6	12	24.0	12
3551	Food products machinery	5.2	12	5.3	12	5.1	12
3552	Textile machinery	5.0	13	5.3	13	5.4	13
3555	Printing trades machinery	4.4	13	4.5	13	4.3	13
356	General industrial machinery	46.6	16	47.0	16	48.3	17
3561	Pumps and compressors	10.2	13	9.8	13	10.5	13
3562	Ball and roller bearings	13.9	23	14.5	23	15.1	24
3564	Blowers and fans	6.3	20	6.4	20	6.2	20
3566	Power transmission equipment	6.9	13	7.0	13	7.4	14
357	Office and computing machines	82.0	28	82.5	28	74.6	28
3573	Electronic computing equipment	53.4	27	53.5	28	48.2	27
358	Service industry machines	24.1	17	24.1	17	24.7	17
3585	Refrigeration machinery	14.3	15	13.9	15	14.4	15
359	Misc. machinery, except electrical	34.1	15	35.2	15	34.6	15

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	April 1970		January 1970		April 1969	
		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	769.4	39	775.6	40	804.0	40
361	Electrical test & distributing equipment	71.2	32	69.8	34	68.2	33
3611	Electric measuring instruments	31.8	43	30.8	43	29.5	43
3612	Transformers	15.0	25	13.6	28	14.3	25
3613	Switchgear and switchboard apparatus	24.4	28	25.4	31	24.4	29
362	Electrical industrial apparatus	72.2	33	69.9	34	75.2	33
3621	Motors and generators	38.5	33	35.0	34	40.0	33
3622	Industrial controls	22.7	39	24.8	40	24.6	40
363	Household appliances	46.6	25	41.2	26	47.3	25
3632	Household refrigerators and freezers	9.8	16	8.6	17	11.4	18
3633	Household laundry equipment	4.5	16	3.6	16	4.0	16
3634	Electric housewares and fans	21.8	49	20.0	49	22.4	48
364	Electric lighting and wiring equipment	92.9	44	84.1	42	88.5	43
3641	Electric lamps	30.8	65	20.9	63	25.6	65
3642	Lighting fixtures	21.7	33	22.3	33	22.5	34
3643,4	Wiring devices	40.4	41	40.9	42	40.4	41
365	Radio and TV receiving equipment	69.0	53	72.2	53	87.4	57
366	Communication equipment	180.9	36	189.6	36	181.0	35
3661	Telephone and telegraph apparatus	76.1	47	76.0	47	61.7	44
3662	Radio and TV communication equipment	104.8	30	113.6	31	119.3	31
367	Electronic components and accessories	199.1	54	211.1	55	219.0	57
3671-3	Electron tubes	30.1	46	29.9	47	34.1	48
3674,9	Other electronic components	169.0	55	181.2	57	184.9	60
369	Misc. electrical equipment & supplies	37.5	32	37.7	32	37.4	31
3694	Engine electrical equipment	19.1	31	21.2	32	19.6	31
37	TRANSPORTATION EQUIPMENT	205.3	11	213.0	11	222.9	11
371	Motor vehicles and equipment	74.7	9	76.9	9	72.6	8
3711	Motor vehicles	25.9	7	25.8	6	22.7	6
3712	Passenger car bodies	1.9	3	2.0	4	1.9	3
3713	Truck and bus bodies	2.7	7	2.7	7	2.6	7
3714	Motor vehicle parts and accessories	42.8	12	44.9	12	44.0	11
3715	Truck trailers	1.4	5	1.5	5	1.4	5
372	Aircraft and parts	103.2	14	110.6	14	124.0	15
3721	Aircraft	59.8	15	65.2	15	73.6	16
3722	Aircraft engines and engine parts	25.3	13	25.5	14	28.7	13
3723,9	Other aircraft parts and equipment	18.1	14	19.9	15	21.7	15
373	Ship and boat building and repairing	9.4	5	9.4	5	9.7	5
3731	Ship building and repairing	5.7	4	5.7	4	5.8	4
3732	Boat building and repairing	3.7	9	3.7	8	3.9	8
374	Railroad equipment	3.8	7	2.9	6	3.2	6
375,9	Other transportation equipment	14.2	14	13.2	13	13.4	13
38	INSTRUMENTS AND RELATED PRODUCTS	173.6	37	174.0	37	175.3	37
381	Engineering & scientific instruments	17.7	25	18.6	25	20.0	25
382	Mechanical measuring & control devices	40.9	36	41.9	36	42.5	37
3821	Mechanical measuring devices	22.0	31	22.4	31	21.9	31
3822	Automatic temperature controls	18.9	46	19.5	46	20.6	47
383,5	Optical and ophthalmic goods	23.1	42	22.6	41	22.0	41
385	Ophthalmic goods	17.6	49	17.3	49	16.4	48
384	Medical instruments and supplies	42.2	50	42.3	50	39.8	49
386	Photographic equipment and supplies	28.4	26	28.6	26	28.2	26
387	Watches, clocks, and watchcases	21.3	62	20.0	61	22.8	63
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	184.5	44	181.6	43	192.0	44
391	Jewelry, silverware, and plated ware	20.9	40	21.6	41	22.2	42
394	Toys and sporting goods	58.5	52	54.0	51	61.2	53
3941-3	Games, toys, dolls, & play vehicles	35.1	57	30.7	56	36.9	58
3949	Sporting and athletic goods, n e c	23.4	45	23.3	45	24.3	46
395	Pens, pencils, office and art supplies	18.2	53	18.9	54	17.9	52
396	Costume jewelry and notions	31.4	55	31.7	55	32.9	55
393,9	Other manufacturing industries	55.5	34	55.4	33	57.8	34
393	Musical instruments and parts	7.8	35	8.5	35	8.6	34
<i>Nondurable Goods</i>							
20	FOOD AND KINDRED PRODUCTS	431.0	25	438.7	25	426.5	25
201	Meat products	92.2	28	93.5	28	88.9	27
2011	Meat packing plants	25.5	14	25.6	14	25.6	14
2013	Sausages and other prepared meats	16.7	29	17.4	30	16.9	29
2015	Poultry dressing plants	50.0	55	50.5	55	46.4	55
202	Dairy products	39.0	16	38.0	16	39.2	16
2024	Ice cream and frozen desserts	5.4	23	4.8	22	5.6	22

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

SIC Code	Industry	April 1970		January 1970		April 1969	
		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	23.9	14	23.3	14	23.7	13
203	Canned, cured, and frozen foods	102.3	42	101.9	42	102.3	42
2031,6	Canned, cured, and frozen sea foods	23.5	58	22.0	58	25.1	60
2032,3	Canned food, except sea foods	33.6	31	34.2	32	33.9	31
2037	Frozen fruits and vegetables	33.5	51	33.6	50	31.7	49
204	Grain mill products	19.3	14	19.2	14	18.7	14
2041	Flour and other grain mill products	3.1	11	3.2	11	3.1	11
2042	Prepared feeds for animals and fowls	8.6	13	8.5	13	8.1	13
205	Bakery products	70.0	25	72.2	26	67.8	24
2051	Bread, cake, and related products	48.6	21	49.0	21	47.4	20
2052	Cookies and crackers	21.4	47	23.2	48	20.4	46
206	Sugar	2.8	9	3.5	8	2.9	9
207	Confectionery and related products	38.3	47	44.0	50	40.8	50
2071	Confectionery products	32.1	49	37.5	52	34.8	52
208	Beverages	30.3	13	29.4	13	28.6	12
2082	Malt liquors	3.9	7	3.8	6	3.7	6
2086	Bottled and canned soft drinks	12.5	10	12.7	10	12.5	10
209	Misc. foods and kindred products	36.8	26	37.0	25	37.3	26
21	TOBACCO MANUFACTURES	31.1	44	36.2	45	31.4	44
211	Cigarettes	14.5	35	14.6	36	13.7	35
212	Cigars	12.3	70	12.6	70	13.5	71
22	TEXTILE MILL PRODUCTS	446.7	46	451.3	46	459.4	46
221	Weaving mills, cotton	90.8	41	92.2	41	92.7	41
222	Weaving mills, synthetics	35.6	37	37.3	37	36.9	36
223	Weaving and finishing mills, wool	15.4	37	15.1	37	16.3	37
224	Narrow fabric mills	17.6	58	18.8	59	18.9	59
225	Knitting mills	161.6	68	160.2	68	171.0	69
2251	Women's hosiery, except socks	51.2	78	52.6	79	53.4	78
2252	Hosiery, n e c	25.9	73	26.0	73	26.5	73
2253	Knit outerwear mills	48.8	72	45.3	71	53.6	74
2254	Knit underwear mills	21.5	71	22.1	71	23.1	71
226	Textile finishing, except wool	22.2	27	22.0	26	20.9	26
227	Floor covering mills	19.3	35	20.4	35	19.0	34
228	Yarn and thread mills	62.2	47	62.5	47	60.5	47
229	Miscellaneous textile goods	22.0	29	22.8	29	23.2	28
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,117.8	81	1,121.4	81	1,133.9	81
231	Men's and boys' suits and coats	93.9	72	95.9	72	96.7	72
232	Men's and boys' furnishings	317.1	84	311.2	84	310.6	84
2321	Men's and boys' shirts and nightwear	106.5	87	102.8	87	100.7	88
2327	Men's and boys' separate trousers	66.0	82	65.5	82	68.3	82
2328	Men's and boys' work clothing	70.7	83	70.8	83	69.1	83
233	Women's and misses' outerwear	364.8	85	369.3	85	366.5	85
2331	Women's and misses' blouses and waists	47.4	88	45.8	88	45.5	89
2335	Women's and misses' dresses	181.7	87	179.0	87	185.0	87
2337	Women's and misses' suits and coats	53.7	77	64.2	76	56.0	76
2339	Women's and misses' outerwear, n e c	82.0	86	80.3	86	80.0	86
234	Women's and children's undergarments	102.3	87	103.3	87	109.4	87
2341	Women's and children's underwear	72.6	88	72.1	87	75.1	88
2342	Corsets and allied garments	29.7	85	31.2	85	34.3	85
235	Hats, caps, and millinery	13.1	72	13.7	71	14.2	70
236	Children's outerwear	66.0	87	65.6	87	66.2	87
2361	Children's dresses and blouses	29.7	90	29.8	90	30.4	90
237,8	Fur goods and miscellaneous apparel	54.5	75	53.7	75	56.9	75
239	Misc. fabricated textile products	106.1	65	108.7	66	113.4	65
2391,2	Housefurnishings	46.1	73	47.7	73	47.9	72
26	PAPER AND ALLIED PRODUCTS	151.5	21	151.7	21	150.2	21
261,2,6	Paper and pulp mills	24.6	11	24.7	11	23.7	11
263	Paperboard mills	5.7	8	5.6	8	5.6	8
264	Misc. converted paper products	66.9	35	66.1	35	66.0	36
2643	Bags, except textile bags	14.6	34	14.8	34	14.7	34
265	Paperboard containers and boxes	54.3	24	55.3	24	54.9	24
2651,2	Folding and setup paperboard boxes	23.5	34	24.1	35	23.3	35
2653	Corrugated and solid fiber boxes	15.9	15	16.2	15	16.0	15
2654	Sanitary food containers	9.8	33	9.7	33	10.0	33

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	April 1970		January 1970		April 1969	
		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	359.3	32	357.3	32	344.6	32
271	Newspapers	97.1	26	96.5	26	92.0	25
272	Periodicals	35.7	48	35.9	48	35.3	48
273	Books	48.4	48	47.4	48	46.3	48
275	Commercial printing	98.0	27	96.9	27	94.7	27
2751	Commercial printing, ex. lithographic	59.7	27	59.1	27	57.1	27
2752	Commercial printing, lithographic	34.3	27	34.0	27	33.5	27
278	Blankbooks and bookbinding	29.8	51	30.8	51	28.9	50
274,6,7,9	Other publishing & printing ind.	50.3	35	49.8	34	47.4	34
28	CHEMICALS AND ALLIED PRODUCTS	216.3	20	217.7	21	217.5	21
281	Industrial chemicals	35.2	11	35.2	11	34.3	11
2812	Alkalies and chlorines	1.7	8	1.8	8	1.8	8
2818	Industrial organic chemicals, n e c	17.5	13	17.5	14	17.2	14
2819	Industrial inorganic chemicals, n e c	9.8	10	9.8	10	9.4	10
282	Plastics materials and synthetics	37.2	17	38.3	17	38.0	17
2821	Plastics materials and resins	9.0	9	9.1	9	8.9	9
2823,4	Synthetic fibers	27.1	24	28.1	24	28.0	24
283	Drugs	59.3	39	58.3	40	55.7	39
2834	Pharmaceutical preparations	49.2	42	48.6	43	46.3	42
284	Soap, cleaners, and toilet goods	45.2	37	45.8	37	46.1	38
2841	Soap and other detergents	8.8	22	9.0	22	9.2	23
2844	Toilet preparations	26.3	53	26.8	54	27.0	56
285	Paints and allied products	10.9	16	11.0	16	11.3	16
287	Agricultural chemicals	6.1	9	5.8	10	5.8	9
2871,2	Fertilizers, complete & mixing only	3.4	7	3.2	8	3.3	7
286,9	Other chemical products	22.4	20	23.3	21	26.3	21
2892	Explosives	8.8	24	9.5	24	11.6	24
29	PETROLEUM AND COAL PRODUCTS	17.9	9	17.5	9	17.3	9
291	Petroleum refining	13.6	9	13.3	9	13.2	9
295,9	Other petroleum and coal products	4.3	11	4.2	12	4.1	11
30	RUBBER AND PLASTICS PRODUCTS, NEC	184.8	32	190.2	32	188.6	32
301	Tires and inner tubes	12.8	11	13.1	11	12.9	11
302,3,6	Other rubber products	57.3	33	59.9	34	63.1	34
302	Rubber footwear	13.3	56	13.0	56	14.1	54
307	Miscellaneous plastics products	114.7	40	117.2	40	112.6	39
31	LEATHER AND LEATHER PRODUCTS	189.0	57	193.9	58	195.4	57
311	Leather tanning and finishing	3.8	14	3.9	14	3.9	13
314	Footwear, except rubber	138.0	63	141.9	63	142.0	63
312,3,5-7,9	Other leather products	47.2	57	48.1	57	49.5	57
316	Luggage	9.8	50	10.2	51	10.4	49
317	Handbags and personal leather goods	22.9	60	23.7	68	24.4	68
-	TRANSPORTATION AND PUBLIC UTILITIES	942	21	925	21	895	20
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	31.9	11	32.0	11	27.9	10
411	Local and suburban transportation	4.9	6	4.9	6	4.9	6
412	Taxicabs	5.2	5	5.7	5	5.3	5
413	Intercity highway transportation	4.1	10	4.2	10	4.2	10
42	TRUCKING AND WAREHOUSING	97.0	9	97.0	9	94.4	9
421,3	Trucking and trucking terminals	86.0	9	85.6	9	83.1	9
422	Public warehousing	11.0	13	11.4	13	11.3	14
45	TRANSPORTATION BY AIR	87.9	25	89.6	25	88.6	25
451,2	Air transportation	85.1	27	86.8	27	86.0	27
46	PIPE LINE TRANSPORTATION	1.4	8	1.5	9	1.5	8
44	WATER TRANSPORTATION	16.0	7	15.8	7	16.5	7
47	TRANSPORTATION SERVICES	23.0	22	23.0	22	22.1	22
48	COMMUNICATION	552.0	50	533.0	49	512.0	50
481	Telephone communication	505.4	55	486.7	54	468.1	55
483	Radio and television broadcasting	32.3	24	32.1	24	30.3	24
49	ELECTRIC, GAS, AND SANITARY SERVICES	102.3	15	101.9	15	100.3	15
491	Electric companies and systems	42.1	15	42.0	15	41.0	15
492	Gas companies and systems	27.3	17	27.4	17	26.6	17

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

SIC Code	Industry	April 1970		January 1970		April 1969	
		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	26.1	14	25.9	14	26.3	15
494-7	Water, steam, & sanitary systems	6.8	13	6.6	13	6.4	13
-	WHOLESALE AND RETAIL TRADE	5,866	40	5,836	40	5,663	39
	WHOLESALE TRADE	869	23	874	23	835	23
501	Motor vehicles & automotive equipment	61.8	19	61.6	19	56.1	19
502	Drugs, chemicals, and allied products	81.5	35	79.5	35	78.0	35
503	Dry goods and apparel	69.9	47	69.7	47	66.6	46
504	Groceries and related products	114.6	21	118.3	22	109.6	21
506	Electrical goods	78.9	24	76.9	25	72.4	24
507	Hardware, plumbing & heating equipment	39.7	23	39.2	23	37.3	22
508	Machinery, equipment, and supplies	137.6	18	136.6	18	132.5	18
509	Miscellaneous wholesalers	271.2	22	273.7	22	264.9	22
52-59	RETAIL TRADE	4,997	45	4,962	45	4,828	45
	RETAIL GENERAL MERCHANDISE	1,552.3	69	1,613.5	69	1,488.9	69
531	Department stores	1,014.6	69	1,068.6	69	970.4	69
532	Mail order houses	74.1	61	82.3	60	73.0	61
533	Variety stores	251.3	78	250.7	77	243.7	78
54	FOOD STORES	608.6	35	602.7	35	575.4	35
541-3	Grocery, meat, and vegetables stores	509.8	33	505.3	33	480.0	32
56	APPAREL AND ACCESSORY STORES	467.5	66	477.3	66	474.2	66
561	Men's & boys' clothing & furnishings	52.3	41	56.0	41	49.6	41
562	Women's ready-to-wear stores	235.1	88	238.5	88	236.8	88
565	Family clothing stores	69.9	70	74.8	70	75.6	71
566	Shoe stores	54.3	38	51.8	38	56.0	38
57	FURNITURE AND HOME FURNISHINGS STORES	136.1	30	139.0	30	136.1	30
571	Furniture and home furnishings	88.4	31	90.0	31	88.0	31
58	EATING AND DRINKING PLACES	1,411.3	57	1,306.5	57	1,354.6	56
52,55,59	OTHER RETAIL TRADE	821.6	24	823.0	24	799.1	24
52	Building materials and farm equipment	90.4	17	89.4	17	86.8	16
55	Automotive dealers & service stations	188.7	12	186.5	12	180.8	11
551,2	Motor vehicle dealers	87.0	11	87.8	11	85.0	11
553,9	Other automotive & accessory dealers	31.5	14	31.5	14	29.9	14
59	Miscellaneous retail stores	542.5	44	547.1	45	531.5	45
591	Drug stores and proprietary stores	263.3	60	266.7	60	264.2	60
594	Book and stationery stores	29.9	45	30.5	45	27.5	44
596	Farm and garden supply stores	22.9	20	20.7	20	21.6	20
598	Fuel and ice dealers	18.2	17	19.9	17	18.1	17
-	FINANCE, INSURANCE, AND REAL ESTATE	1,898	52	1,875	52	1,797	51
60	Banking	655.7	63	646.9	63	604.7	63
61	Credit agencies other than banks	204.6	55	203.9	55	196.1	55
612	Savings and loan associations	71.1	66	70.2	66	66.5	65
614	Personal credit institutions	94.2	48	95.6	49	93.3	49
62	Security, commodity brokers & services	72.9	35	74.8	35	79.2	35
63	Insurance carriers	541.9	52	531.9	52	507.6	51
631	Life insurance	240.0	44	236.2	44	226.1	43
632	Accident and health insurance	66.9	72	64.9	72	61.9	72
633	Fire, marine, and casualty insurance	209.6	57	205.5	57	194.6	56
64	Insurance agents, brokers, and service	156.1	57	153.6	57	148.1	57
65	Real estate	225.1	35	222.5	36	220.2	35
655	Subdividers and developers	17.9	22	18.1	24	16.3	20
656	Operative builders	7.4	18	7.2	17	6.7	15
66,67	Other finance, insurance, & real estate	41.5	50	41.2	50	40.9	50
-	SERVICES	6,268	54	6,122	54	5,981	54
	Hotels and other lodging places:						
701	Hotels, tourist courts, and motels	340.5	51	320.1	50	333.7	50
72	Personal services	620.7	62	621.0	62	631.9	62
721	Laundries and dry cleaning plants	336.1	66	342.8	66	354.7	66
722	Photographic studios	23.6	59	22.4	58	22.1	57

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	April 1970		January 1970		April 1969	
		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	523.2	34	532.2	34	503.7	34
731	Advertising	52.5	43	52.0	43	50.9	42
732	Credit reporting and collection	55.2	72	55.8	72	54.4	73
734	Services to buildings	93.4	32	90.6	33	79.6	30
76	Miscellaneous repair services	28.0	15	26.8	15	26.7	15
78	Motion pictures	66.3	36	64.1	34	67.3	34
781	Motion picture filming & distributing	14.4	34	16.1	30	16.5	31
782,3	Motion picture theaters and services	51.9	36	48.0	36	50.8	35
80	Medical and other health services	2,456.4	81	2,412.7	81	2,281.0	81
806	Hospitals	1,508.9	81	1,485.6	81	1,422.2	81
81	Legal services	146.6	63	144.3	63	138.2	64
82	Educational services	575.2	48	555.6	48	564.2	48
821	Elementary and secondary schools	244.5	61	244.6	61	239.9	61
822	Colleges and universities	284.1	41	266.7	40	278.8	41
89	Miscellaneous services	159.2	24	156.4	24	144.0	23
891	Engineering & architectural services	45.9	15	46.2	15	44.4	15
892	Nonprofit research agencies	32.3	30	31.9	30	31.4	30
-	GOVERNMENT	5,505	43	5,347	43	5,272	43
91	FEDERAL GOVERNMENT	767	27	708	26	727	26
92,93	STATE AND LOCAL GOVERNMENT	4,738	48	4,639	48	4,545	48
92	State government	1,115.5	42	1,087.2	41	1,054.7	41
	State education	457.1	40	441.2	40	433.2	40
	Other State government	658.4	43	646.0	43	621.5	42
93	Local government	3,622.1	50	3,551.8	50	3,490.6	50
	Local education	2,614.8	63	2,568.5	63	2,541.2	63
	Other local government	1,007.3	33	983.3	32	949.4	32

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	Manufac- turing	Transpor- tation 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	6.20	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.....	129.3	78.7	113.8	119.2	105.7	129.0	124.7	130.5	133.7	154.1	151.0	123.6	161.7
1969.....	133.8	80.4	119.1	121.5	108.7	134.1	129.1	135.9	140.6	162.6	155.5	124.6	167.7
1969: July.....	134.0	80.3	119.1	122.0	109.3	134.3	129.2	136.2	141.0	162.5	155.5	124.9	167.5
August.....	134.2	80.6	118.5	122.0	109.3	134.7	129.5	136.6	141.5	163.2	155.6	124.2	168.0
September.....	134.4	80.9	119.0	122.0	109.4	135.0	129.9	136.8	141.7	163.8	155.3	124.1	167.6
October.....	134.9	80.8	119.3	121.9	109.5	135.7	130.4	137.7	142.1	164.8	156.7	123.7	169.6
November.....	134.8	81.0	120.3	121.0	109.5	135.9	130.6	137.9	142.7	165.1	157.1	123.3	170.3
December.....	134.9	81.4	121.1	121.0	109.7	135.1	131.4	136.4	143.3	165.8	157.5	122.9	171.2
1970: January.....	135.2	81.2	117.6	120.6	110.5	136.8	132.1	138.4	144.2	166.4	157.9	122.7	171.8
February.....	135.4	81.3	120.1	120.1	110.3	137.2	132.4	139.0	144.3	167.3	158.6	122.8	172.6
March.....	135.7	81.3	120.6	120.2	110.5	137.2	132.8	138.8	144.9	167.3	159.5	125.6	172.9
April.....	135.5	80.8	118.7	119.3	109.6	137.3	133.0	138.8	145.2	167.7	160.9	128.8	173.5
May.....	134.9	80.5	116.1	117.9	109.9	137.1	133.3	138.4	145.3	167.8	160.8	125.6	174.6
June P.....	134.4	80.4	115.2	117.3	110.4	136.8	133.1	138.2	145.1	167.0	160.0	120.3	175.6
July P.....	134.1	80.1	114.7	116.9	110.6	136.6	132.6	138.1	145.3	166.6	159.8	118.9	175.9

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.

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

Industry division and group	1970							1969					
	July p	June p	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
TOTAL	70,455	70,598	70,852	71,163	71,256	71,135	70,992	70,842	70,808	70,836	70,567	70,497	70,400
MINING	617	619	620	622	626	626	625	627	624	622	623	621	618
CONTRACT CONSTRUCTION	3,311	3,326	3,351	3,426	3,481	3,466	3,394	3,496	3,473	3,445	3,436	3,420	3,439
MANUFACTURING	19,400	19,473	19,572	19,795	19,944	19,937	20,018	20,082	20,082	20,233	20,252	20,246	20,247
DURABLE GOODS	11,226	11,295	11,386	11,529	11,648	11,625	11,679	11,773	11,782	11,965	11,968	11,950	11,955
Ordnance and accessories	243	250	256	261	271	277	281	290	296	298	306	316	322
Lumber and wood products	565	584	582	585	593	598	605	606	603	601	606	607	608
Furniture and fixtures	449	452	456	468	471	472	477	478	479	483	483	484	484
Stone, clay, and glass products	628	636	638	644	651	657	653	659	659	658	657	655	655
Primary metal industries	1,303	1,303	1,309	1,323	1,337	1,349	1,360	1,380	1,384	1,386	1,381	1,367	1,358
Fabricated metal products	1,398	1,389	1,394	1,411	1,425	1,428	1,436	1,447	1,444	1,445	1,452	1,451	1,446
Machinery, except electrical	1,976	1,983	2,004	2,032	2,046	2,048	2,043	2,051	2,043	2,050	2,041	2,028	2,032
Electrical equipment	1,923	1,935	1,956	1,979	1,995	1,993	1,922	1,930	1,934	2,051	2,049	2,043	2,045
Transportation equipment	1,863	1,877	1,897	1,925	1,950	1,890	1,988	2,009	2,028	2,078	2,078	2,081	2,086
Instruments and related products	460	463	468	471	472	472	474	476	476	476	477	479	478
Miscellaneous manufacturing	418	423	426	430	437	441	440	447	436	439	438	439	441
NONDURABLE GOODS	8,174	8,178	8,186	8,266	8,296	8,312	8,339	8,309	8,300	8,268	8,284	8,296	8,292
Food and kindred products	1,791	1,797	1,805	1,805	1,823	1,830	1,817	1,805	1,806	1,780	1,799	1,801	1,795
Tobacco manufactures	81	81	81	81	81	80	80	77	80	81	83	86	81
Textile mill products	956	958	971	979	980	987	999	995	993	991	992	992	999
Apparel and other textile products	1,390	1,385	1,375	1,394	1,396	1,398	1,416	1,410	1,405	1,406	1,409	1,410	1,416
Paper and allied products	706	711	714	721	721	720	721	720	718	716	715	714	712
Printing and publishing	1,099	1,101	1,108	1,111	1,113	1,113	1,113	1,110	1,109	1,106	1,100	1,097	1,093
Chemicals and allied products	1,053	1,056	1,060	1,063	1,066	1,067	1,068	1,067	1,064	1,062	1,064	1,064	1,064
Petroleum and coal products	191	193	192	193	194	193	193	192	191	191	189	190	189
Rubber and plastics products, nec	577	564	548	585	589	591	595	594	596	596	596	597	597
Leather and leather products	330	332	332	334	333	333	337	339	338	339	337	345	346
TRANSPORTATION AND PUBLIC UTILITIES	4,507	4,498	4,478	4,468	4,502	4,496	4,507	4,469	4,464	4,463	4,459	4,457	4,454
WHOLESALE AND RETAIL TRADE	14,922	14,941	14,968	14,991	14,984	14,987	14,938	14,750	14,848	14,824	14,739	14,713	14,673
WHOLESALE TRADE	3,840	3,854	3,859	3,853	3,847	3,834	3,828	3,807	3,782	3,775	3,762	3,751	3,742
RETAIL TRADE	11,082	11,087	11,109	11,138	11,137	11,153	11,110	10,943	11,066	11,049	10,977	10,962	10,931
FINANCE, INSURANCE, AND REAL ESTATE	3,676	3,672	3,677	3,673	3,665	3,652	3,648	3,626	3,611	3,596	3,584	3,580	3,567
SERVICES	11,484	11,516	11,572	11,564	11,537	11,530	11,472	11,431	11,383	11,361	11,289	11,248	11,205
Hotels and other lodging places	-	749	764	768	772	770	775	770	760	761	748	730	734
Personal services	-	997	1,005	1,006	1,015	1,018	1,016	1,016	1,021	1,025	1,026	1,026	1,030
Medical and other health services	-	3,067	3,058	3,034	3,025	3,007	2,992	2,973	2,950	2,931	2,914	2,891	2,875
Educational services	-	1,151	1,146	1,151	1,143	1,145	1,125	1,129	1,125	1,122	1,105	1,117	1,113
GOVERNMENT	12,538	12,553	12,614	12,624	12,517	12,441	12,390	12,361	12,323	12,292	12,185	12,212	12,197
FEDERAL	2,633	2,663	2,781	2,852	2,780	2,718	2,717	2,721	2,730	2,739	2,747	2,749	2,765
STATE AND LOCAL	9,905	9,890	9,833	9,772	9,737	9,723	9,673	9,640	9,593	9,553	9,438	9,463	9,432

p - preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

Major industry group	1970							1969					
	July p	June p	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
TOTAL	17,334	17,377	17,447	17,734	17,905	17,878	17,890	18,062	18,041	18,172	18,198	18,183	18,217
MINING	470	470	470	474	476	477	477	477	475	475	476	474	471
CONTRACT CONSTRUCTION	2,764	2,772	2,797	2,871	2,917	2,912	2,840	2,947	2,928	2,903	2,896	2,883	2,907
MANUFACTURING	14,100	14,135	14,180	14,389	14,512	14,489	14,573	14,638	14,638	14,794	14,826	14,826	14,839
DURABLE GOODS	8,099	8,136	8,186	8,318	8,409	8,367	8,425	8,516	8,522	8,703	8,713	8,698	8,706
Ordnance and accessories	133	137	141	143	151	155	156	164	168	170	174	181	187
Lumber and wood products	486	505	501	504	511	515	523	524	522	520	525	527	527
Furniture and fixtures	369	371	375	386	390	390	395	396	397	401	401	402	402
Stone, clay, and glass products	497	506	506	512	517	522	520	527	526	526	526	524	523
Primary metal industries	1,034	1,032	1,037	1,049	1,063	1,072	1,086	1,103	1,108	1,112	1,106	1,093	1,085
Fabricated metal products	1,068	1,057	1,060	1,079	1,087	1,090	1,100	1,110	1,106	1,107	1,116	1,115	1,114
Machinery, except electrical	1,318	1,322	1,340	1,366	1,381	1,381	1,383	1,391	1,384	1,391	1,386	1,374	1,381
Electrical equipment and supplies	1,285	1,285	1,294	1,313	1,323	1,319	1,246	1,255	1,264	1,373	1,367	1,363	1,370
Transportation equipment	1,306	1,312	1,317	1,345	1,358	1,291	1,384	1,403	1,418	1,468	1,477	1,481	1,475
Instruments and related products	281	283	286	289	289	289	289	292	292	293	294	296	296
Miscellaneous manufacturing industries	322	326	329	332	339	343	343	351	337	342	341	342	346
NONDURABLE GOODS	6,001	5,999	5,994	6,071	6,103	6,122	6,148	6,122	6,116	6,091	6,113	6,128	6,133
Food and kindred products	1,204	1,210	1,216	1,217	1,235	1,241	1,226	1,213	1,214	1,187	1,207	1,209	1,202
Tobacco manufactures	68	68	68	67	67	67	67	64	67	68	69	72	68
Textile mill products	841	842	852	860	861	867	878	874	873	872	874	874	883
Apparel and other textile products	1,222	1,214	1,206	1,221	1,223	1,226	1,242	1,238	1,233	1,234	1,236	1,238	1,243
Paper and allied products	545	550	551	556	558	557	558	557	554	554	554	552	552
Printing and publishing	675	679	681	687	690	690	691	691	690	689	685	683	681
Chemicals and allied products	604	604	606	610	613	616	619	620	619	619	621	623	625
Petroleum and coal products	118	119	118	118	119	119	119	118	118	118	118	118	118
Rubber and plastics products, nec	441	428	412	450	453	454	459	457	459	460	462	463	464
Leather and leather products	283	285	284	285	284	285	289	290	289	290	287	296	297

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

p = preliminary.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969
1	ALABAMA	1,010.0	1,002.3	1,010.3	8.5	8.4	8.4	54.9	53.4	57.4	321.4	316.0	329.4
2	Birmingham	260.2	260.3	258.0	5.6	5.5	5.4	16.4	15.7	16.0	72.1	72.0	72.9
3	Huntsville	77.3	77.6	78.0	(1)	(1)	(1)	3.0	3.0	3.3	13.0	13.0	11.6
4	Mobile	107.4	106.9	106.7	(1)	(1)	(1)	6.7	6.6	6.9	25.8	25.6	25.2
5	Montgomery	70.1	69.1	69.0	(1)	(1)	(1)	5.4	4.8	5.9	11.0	10.8	10.7
6	Tuscaloosa	35.1	35.9	36.1	(1)	(1)	(1)	2.3	2.3	2.4	9.4	9.0	10.4
7	ALASKA	95.8	90.1	92.6	2.6	2.9	3.7	8.4	7.0	7.6	11.5	8.1	11.2
8	ARIZONA	542.1	546.7	510.2	21.0	20.2	18.5	33.2	36.0	33.1	92.4	93.9	93.9
9	Phoenix	319.1	324.9	302.2	.2	.2	.2	18.5	20.7	18.3	71.5	73.0	74.6
10	Tucson	105.7	105.8	96.4	6.7	6.4	5.5	9.5	9.9	9.1	9.6	9.6	8.3
11	ARKANSAS	537.0	532.4	539.8	4.2	4.1	4.5	29.4	27.7	31.6	165.6	164.8	170.2
12	Fayetteville	25.5	25.6	25.3	(1)	(1)	(1)	1.2	1.2	1.4	7.9	7.4	7.7
13	Fort Smith	45.5	45.9	45.2	.5	.5	.5	3.6	3.6	3.2	16.7	16.5	16.5
14	Little Rock-North Little Rock	125.1	122.7	124.7	(1)	(1)	(1)	9.3	8.4	9.2	27.2	27.3	28.0
15	Pine Bluff	23.9	24.3	24.9	(1)	(1)	(1)	1.1	1.1	1.4	5.5	5.5	5.9
16	CALIFORNIA	7,052.6	6,990.9	6,966.8	32.0	31.8	32.5	311.2	308.5	311.2	1,564.9	1,567.8	1,653.7
17	Anaheim-Santa Ana-Garden Grove	421.7	419.8	407.6	2.0	2.0	2.1	23.4	23.1	21.8	119.8	120.4	130.6
18	Bakersfield	93.5	90.4	93.1	6.8	6.7	6.8	4.4	4.4	5.7	8.6	8.3	8.3
19	Fresno	118.3	114.9	117.2	.6	.6	.7	4.9	4.9	5.2	17.7	17.2	17.6
20	Los Angeles-Long Beach	2,917.1	2,899.6	2,902.2	11.3	11.3	12.0	110.0	108.8	108.7	816.5	823.0	879.5
21	Modesto-Turlock	52.3	51.1	52.1	.1	.1	.1	3.2	3.2	3.2	12.2	11.3	12.0
22	Oxnard-Ventura	92.0	91.7	90.9	1.9	1.9	1.9	4.2	4.1	4.6	13.3	13.3	14.1
23	Sacramento	261.8	258.5	258.7	.2	.2	.2	11.3	10.8	11.1	22.3	22.5	24.3
24	Salinas-Monterey	63.2	61.8	61.4	.5	.5	.4	2.5	2.4	2.7	7.3	7.4	6.9
25	San Bernardino-Riverside-Ontario	297.2	297.4	289.3	2.4	2.3	2.3	14.3	14.1	13.9	52.0	52.4	53.3
26	San Diego	384.5	381.6	373.9	.5	.5	.5	21.1	20.9	21.6	66.7	67.3	68.5
27	San Francisco-Oakland	1,273.6	1,264.1	1,265.0	1.7	1.7	1.7	63.2	63.8	63.7	199.8	200.7	208.8
28	San Jose	376.8	373.1	368.1	.1	.1	.1	18.2	17.7	18.0	121.9	120.0	124.4
29	Santa Barbara	82.2	82.6	80.7	1.0	1.0	.9	4.2	4.3	4.8	10.2	10.4	10.5
30	Santa Rosa	50.4	50.2	49.1	.4	.4	.4	2.3	2.3	2.5	6.8	6.9	7.0
31	Stockton	89.9	87.0	90.6	.1	.1	.1	3.2	3.1	3.5	16.3	16.5	16.3
32	Vallejo-Napa	68.5	67.3	69.3	.2	.2	.2	2.4	2.2	2.5	7.0	6.3	7.6
33	COLORADO	733.2	723.9	716.7	14.1	13.9	13.1	41.6	40.2	39.5	114.3	112.5	114.5
34	Denver	472.9	468.3	460.7	4.6	4.5	4.6	29.1	28.2	26.2	82.6	81.8	83.2
35	CONNECTICUT	1,206.5	1,199.3	1,212.8	(2)	(2)	(2)	61.4	58.0	60.3	453.9	455.5	481.8
36	Bridgeport	151.0	149.9	159.5	(2)	(2)	(2)	6.7	6.5	6.5	66.6	66.8	79.0
37	Hartford	328.1	326.3	324.1	(2)	(2)	(2)	16.4	15.6	15.2	104.0	104.4	108.8
38	New Britain	46.6	46.8	47.1	(2)	(2)	(2)	2.0	1.9	2.0	24.4	24.6	25.4
39	New Haven	159.6	157.8	158.8	(2)	(2)	(2)	8.5	8.1	8.8	44.2	43.6	46.6
40	Stamford	84.3	83.2	82.1	(2)	(2)	(2)	4.1	4.0	4.2	28.4	28.4	28.5
41	Waterbury	78.3	78.3	81.2	(2)	(2)	(2)	3.7	3.6	3.5	36.9	37.2	41.4
42	DELAWARE	214.6	211.6	211.9	(1)	(1)	(1)	14.8	14.8	10.4	72.4	72.0	75.1
43	Wilmington	194.4	191.7	189.4	(1)	(1)	(1)	13.7	13.6	9.6	69.8	69.3	70.9
44	DISTRICT OF COLUMBIA ³	(*)	686.5	694.6	(*)	(1)	(1)	(*)	16.3	15.8	(*)	19.9	20.3
45	Washington SMSA	(*)	1,136.4	1,139.2	(*)	(1)	(1)	(*)	66.0	67.2	(*)	45.0	45.5
46	FLORIDA	2,146.1	2,147.2	2,070.4	7.8	8.0	8.1	168.4	166.8	163.0	323.9	325.7	330.0
47	Fort Lauderdale-Hollywood	169.0	172.9	162.4	(1)	(1)	(1)	24.8	24.7	25.3	19.9	20.3	20.9
48	Jacksonville	191.7	191.9	189.4	(1)	(1)	(1)	13.2	13.2	13.1	24.2	24.2	24.4
49	Miami	496.6	494.3	482.3	(1)	(1)	(1)	32.9	31.5	33.7	78.4	78.8	77.4
50	Orlando	135.7	136.8	130.1	(1)	(1)	(1)	13.7	13.8	11.7	20.4	20.5	22.6
51	Pensacola	66.5	67.5	66.7	(1)	(1)	(1)	5.0	4.9	5.4	14.5	14.6	14.6
52	Tampa-St. Petersburg	303.2	303.6	290.7	(1)	(1)	(1)	24.8	24.4	22.3	52.9	53.5	54.3
53	West Palm Beach	107.1	110.3	99.2	(1)	(1)	(1)	12.2	12.3	11.3	20.5	20.4	18.3
54	GEORGIA	1,536.5	1,527.2	1,523.6	6.9	6.8	6.7	78.3	76.3	86.7	463.2	461.1	476.0
55	Atlanta	610.8	607.2	597.0	(1)	(1)	(1)	29.9	29.0	38.3	127.6	127.8	127.8

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	
58.0	56.7	56.6	189.4	188.2	185.9	42.3	41.6	41.4	128.4	127.7	127.9	207.1	210.3	203.3	1
18.7	18.6	18.6	59.7	59.7	59.0	17.8	17.7	17.3	36.7	36.5	35.2	33.2	34.6	33.6	2
1.9	1.9	1.9	12.1	12.1	12.2	2.0	2.0	2.0	15.9	15.9	17.3	29.4	29.7	29.7	3
10.9	10.6	10.7	25.9	25.6	26.6	5.0	5.0	5.0	16.0	16.0	15.8	17.1	17.5	16.5	4
4.5	4.5	4.5	15.2	15.2	15.1	4.7	4.7	4.4	10.7	10.7	10.7	18.6	18.4	17.7	5
1.6	1.5	1.6	6.0	6.1	6.0	1.1	1.1	1.2	3.3	3.4	3.3	11.4	12.5	11.2	6
8.8	8.7	8.8	14.9	14.9	13.8	2.9	2.9	2.7	11.4	11.2	11.1	35.3	34.4	33.7	7
30.3	29.4	28.3	128.1	127.2	114.7	30.0	29.6	26.8	91.9	91.1	83.9	115.2	119.3	111.0	8
17.7	17.3	16.3	82.2	81.8	73.0	22.1	21.8	19.8	52.3	53.0	48.0	54.6	57.1	52.0	9
6.0	5.8	5.6	23.8	23.8	20.8	4.7	4.7	4.0	18.6	18.7	17.5	26.8	26.9	25.6	10
31.6	31.4	31.7	107.7	106.5	105.7	21.4	21.0	21.0	75.3	74.1	72.8	101.8	102.8	102.3	11
2.2	2.2	2.1	5.0	5.0	4.7	.6	.6	.6	3.3	3.3	3.3	5.3	5.9	5.5	12
2.8	2.7	2.8	8.7	8.7	9.0	1.4	1.4	1.4	6.5	6.4	6.5	5.3	6.1	5.3	13
9.5	9.5	9.4	26.7	26.5	26.5	8.9	8.7	8.6	18.5	18.2	18.4	25.0	24.1	24.6	14
3.3	3.2	3.1	4.6	4.6	4.6	.9	.9	.9	3.3	3.3	3.3	5.2	5.7	5.7	15
471.7	448.6	466.9	1,556.0	1,533.4	1,496.9	380.8	379.6	365.7	1,281.2	1,266.0	1,228.9	1,454.8	1,455.2	1,411.0	16
14.0	13.8	12.8	102.6	101.5	91.4	20.7	20.3	19.0	71.0	70.0	65.8	68.2	68.7	64.1	17
6.7	6.5	6.6	21.8	20.5	21.5	3.6	3.6	3.4	15.3	14.5	14.8	26.3	25.9	26.0	18
8.0	7.8	8.1	31.2	28.7	32.0	5.4	5.4	5.3	21.4	21.2	20.8	29.1	29.1	27.5	19
181.6	169.0	177.2	648.0	642.9	622.3	170.3	169.7	163.0	550.1	543.6	528.7	429.3	431.3	410.8	20
2.8	2.7	2.8	11.5	11.5	11.2	1.5	1.5	1.5	10.0	9.9	9.7	11.0	10.9	11.6	21
4.4	4.3	4.3	21.2	20.9	19.7	3.3	3.3	3.1	14.8	14.6	14.1	28.9	29.3	29.1	22
18.3	17.9	18.2	52.6	51.1	51.8	10.2	10.2	10.2	37.3	37.0	36.1	109.6	108.8	106.8	23
4.1	4.0	4.1	16.5	15.4	16.2	2.4	2.4	2.4	12.2	12.1	11.5	17.7	17.6	17.2	24
17.6	17.5	17.7	67.4	67.0	64.1	10.2	10.1	9.8	55.6	56.3	53.0	77.7	77.7	75.2	25
20.7	19.9	20.1	84.8	84.2	80.6	18.1	18.1	17.1	73.6	71.8	69.7	99.0	98.9	95.8	26
134.7	127.5	135.8	274.0	272.0	267.6	97.7	97.9	95.6	224.5	222.6	215.0	278.0	277.9	276.8	27
16.6	16.0	16.0	71.5	70.8	67.0	13.5	13.5	13.0	73.6	73.5	72.3	61.4	61.5	57.3	28
3.7	3.7	3.6	17.8	17.5	17.1	3.2	3.2	3.0	20.2	20.4	19.7	21.9	22.1	21.1	29
2.7	2.7	2.7	12.2	12.0	11.8	3.2	3.2	3.1	9.1	8.9	8.7	13.7	13.8	12.9	30
6.6	6.5	6.9	20.8	19.4	21.0	3.0	3.0	3.0	15.4	14.5	15.0	24.6	24.0	24.9	31
3.6	3.5	3.7	11.9	11.8	11.9	1.9	1.9	1.9	10.7	10.8	10.6	30.8	30.6	30.9	32
51.8	50.7	51.5	171.6	168.4	167.6	38.4	37.9	36.9	127.7	125.6	125.3	173.7	174.7	168.3	33
36.0	35.3	35.9	116.3	114.2	112.5	29.3	29.0	28.3	85.8	84.7	83.4	89.2	90.6	86.6	34
55.0	54.4	53.1	227.9	225.9	221.1	72.5	71.7	69.6	182.5	180.3	179.4	153.4	153.5	147.5	35
6.6	6.5	6.3	30.6	30.2	28.5	4.8	4.8	4.6	21.7	21.4	20.8	14.0	13.9	13.8	36
12.0	11.8	11.8	62.6	62.4	61.2	42.4	42.1	40.2	46.2	46.0	44.5	44.6	44.1	42.4	37
1.7	1.7	1.6	7.4	7.5	7.2	1.2	1.1	1.2	5.3	5.3	5.1	4.7	4.8	4.7	38
13.8	13.8	13.6	31.8	31.5	31.3	8.2	8.1	8.1	33.0	32.8	31.1	20.0	20.1	19.4	39
3.4	3.4	3.2	17.9	17.6	16.9	4.5	4.4	4.2	17.9	17.4	17.2	8.0	7.8	7.9	40
3.3	3.2	3.3	13.1	13.1	12.2	2.3	2.2	2.2	10.6	10.6	10.3	8.3	8.4	8.4	41
11.0	10.9	11.1	43.4	42.7	44.5	9.1	8.9	8.8	30.8	29.7	31.5	33.1	32.6	30.5	42
9.7	9.7	9.8	37.1	36.6	37.1	8.0	7.9	7.8	28.5	27.4	28.5	27.6	27.2	25.7	43
(*)	31.6	31.3	(*)	84.8	84.6	(*)	32.3	32.0	(*)	138.6	138.5	(*)	363.0	372.1	44
(*)	60.5	60.0	(*)	225.0	219.4	(*)	65.0	64.2	(*)	246.3	245.6	(*)	428.6	437.3	45
161.2	154.5	148.4	553.6	559.4	525.1	130.4	129.7	124.9	393.9	395.3	381.1	406.9	407.8	389.8	46
10.1	9.8	8.2	45.5	46.7	43.3	11.2	11.3	10.4	32.1	34.4	30.7	25.4	25.7	23.6	47
21.4	21.2	20.8	51.9	51.9	51.6	18.6	18.6	17.5	28.6	28.6	28.3	33.8	34.2	33.7	48
55.5	52.2	54.5	131.4	132.1	125.0	32.1	32.1	31.6	108.7	110.1	102.8	57.6	57.5	57.3	49
8.8	8.7	7.8	38.1	38.4	36.5	9.3	9.3	8.8	23.2	23.7	21.9	22.2	22.4	20.8	50
3.5	3.5	3.5	14.8	14.8	14.3	2.6	2.6	2.6	8.7	8.9	8.5	17.4	18.2	17.8	51
21.4	20.9	20.0	86.7	87.0	81.5	17.8	17.8	17.3	55.2	55.1	52.7	44.4	44.9	42.6	52
5.2	5.1	4.6	26.9	27.9	25.2	7.1	7.2	6.4	19.8	20.7	18.9	15.4	16.7	14.5	53
108.9	107.9	102.9	326.3	325.0	317.1	74.9	73.7	71.9	180.2	178.9	177.7	297.8	297.5	284.6	54
60.5	59.8	56.8	165.5	164.9	156.2	42.8	42.6	40.8	89.1	88.9	87.7	95.4	94.2	89.4	55

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969
GEORGIA (continued)													
1	Augusta	86.4	87.1	87.6	(1)	(1)	(1)	5.8	5.6	5.5	29.5	29.5	31.0
2	Columbus	69.9	69.7	70.7	(1)	(1)	(1)	4.7	4.6	4.5	19.0	19.0	19.9
3	Macon	77.5	78.6	79.1	(1)	(1)	(1)	5.4	5.5	4.8	12.9	14.1	15.5
4	Savannah	68.1	67.7	69.2	(1)	(1)	(1)	4.4	4.4	4.0	16.7	16.4	17.8
5	HAWAII	292.3	284.2	279.3	(1)	(1)	(1)	23.9	23.7	22.9	29.5	25.5	29.0
6	Honolulu	249.6	242.2	238.7	(1)	(1)	(1)	21.2	21.0	20.5	22.3	19.0	21.5
7	IDAHO	208.3	203.3	200.3	3.6	3.6	3.6	10.6	9.9	9.6	40.2	39.5	38.4
8	Boise	41.1	40.0	38.3	(1)	(1)	(1)	2.5	2.3	2.2	4.8	4.6	4.6
9	ILLINOIS	4,381.0	4,325.5	4,414.9	22.9	22.6	24.1	202.2	192.8	208.2	1,365.6	1,341.1	1,423.1
10	Chicago ⁴	(*)	2,991.7	3,055.4	(*)	4.8	5.2	(*)	130.1	138.1	(*)	935.2	991.5
11	Chicago-Northwestern Indiana	(*)	3,218.0	3,283.3	(*)	4.9	5.3	(*)	145.8	153.7	(*)	1,042.6	1,102.3
12	Davenport-Rock Island-Moline	(*)	130.3	135.0	(*)	(2)	(2)	(*)	4.5	6.5	(*)	43.2	45.6
13	Peoria	(*)	131.5	128.0	(*)	(2)	(2)	(*)	7.7	6.6	(*)	48.7	48.1
14	Rockford	(*)	110.9	115.0	(*)	(2)	(2)	(*)	4.4	5.2	(*)	55.0	59.3
15	INDIANA	1,866.1	1,859.8	1,897.1	7.5	7.4	7.8	88.3	87.8	95.9	714.6	709.6	757.7
16	Evansville	87.6	86.5	90.5	1.7	1.6	1.6	1.8	1.8	4.6	34.8	34.2	35.3
17	Fort Wayne	123.0	120.8	121.2	(1)	(1)	(1)	6.0	5.6	6.4	45.9	44.4	46.9
18	Gary-Hammond-East Chicago ⁴	224.6	226.1	227.9	(1)	(1)	(1)	11.8	15.7	15.6	109.6	107.2	110.8
19	Indianapolis	432.4	431.0	432.8	(1)	(1)	(1)	23.1	22.5	21.8	132.4	133.0	139.1
20	Muncie	47.4	48.0	46.6	(1)	(1)	(1)	1.9	2.0	2.1	19.1	19.1	19.0
21	South Bend	94.4	93.6	98.6	(1)	(1)	(1)	4.3	4.0	4.5	33.0	32.7	36.4
22	Terre Haute	54.0	55.4	54.0	1.1	1.1	1.0	2.5	2.4	2.6	15.4	15.3	15.2
23	IOWA	894.1	884.2	892.0	3.5	3.3	3.4	44.5	39.2	45.5	213.8	212.0	227.1
24	Cedar Rapids	63.8	64.6	67.6	(1)	(1)	(1)	2.1	2.1	3.0	24.9	25.2	28.4
25	Des Moines	132.0	129.5	130.2	(1)	(1)	(1)	6.7	5.2	6.8	26.6	26.4	26.7
26	Dubuque	33.7	34.6	33.1	(1)	(1)	(1)	1.8	1.7	1.6	14.1	14.3	14.1
27	Sioux City	41.4	40.9	41.0	(1)	(1)	(1)	1.3	1.1	2.3	9.9	9.5	9.0
28	Waterloo	48.5	49.7	50.3	(1)	(1)	(1)	2.5	2.3	2.4	17.2	18.2	19.7
29	KANSAS	678.2	676.9	689.0	11.6	11.4	12.0	35.9	34.4	39.2	135.9	132.1	148.4
30	Topeka	62.1	59.4	62.4	.1	.1	.1	3.3	2.9	3.7	9.6	7.0	9.4
31	Wichita	138.0	139.0	150.3	2.0	2.1	2.4	7.1	7.1	7.5	39.2	39.5	49.9
32	KENTUCKY	907.9	909.4	907.8	28.3	28.1	26.9	48.6	49.7	60.6	248.8	247.6	250.4
33	Lexington	77.3	77.6	77.4	(1)	(1)	(1)	5.9	5.7	6.8	14.8	14.7	16.2
34	Louisville	338.4	339.0	335.7	(1)	(1)	(1)	16.6	17.4	18.4	116.5	116.6	122.4
35	LOUISIANA	1,044.3	1,039.4	1,056.7	51.2	51.1	52.7	78.8	76.7	86.2	178.2	176.3	182.9
36	Baton Rouge	102.0	99.7	103.5	.7	.7	.5	12.7	10.6	12.8	17.9	17.8	18.8
37	Lake Charles	40.7	41.3	42.4	1.6	1.6	1.5	5.2	5.3	6.5	9.1	9.0	9.0
38	Monroe	37.7	38.1	37.8	.3	.3	.4	3.6	3.6	3.8	6.5	6.5	6.8
39	New Orleans	374.2	372.6	374.5	14.8	14.4	14.3	21.8	21.6	22.3	54.8	53.8	58.1
40	Shreveport	93.6	93.5	93.8	3.9	3.9	4.2	6.2	6.3	6.3	16.5	16.5	17.4
41	MAINE	338.9	327.8	340.3	(1)	(1)	(1)	17.1	15.1	17.4	112.6	107.1	118.9
42	Lewiston-Auburn	29.0	28.7	29.5	(1)	(1)	(1)	1.5	1.4	1.5	13.2	13.1	14.0
43	Portland	65.4	64.7	65.2	(1)	(1)	(1)	3.7	3.4	3.5	14.4	14.5	16.0
44	MARYLAND ³	1,316.6	1,303.3	1,294.2	1.8	1.8	1.8	88.3	82.6	89.1	274.6	271.7	284.7
45	Baltimore	816.5	810.6	809.9	.3	.3	.3	43.7	41.2	44.1	200.4	199.2	209.2
46	MASSACHUSETTS	2,280.6	2,255.0	2,272.5	(1)	(1)	(1)	98.9	94.0	98.9	653.3	650.5	688.1
47	Boston	1,311.0	1,303.7	1,295.7	(1)	(1)	(1)	57.4	55.1	53.0	284.0	284.9	299.1
48	Brockton	51.8	50.8	50.6	-	-	-	2.2	2.2	2.1	16.5	16.1	17.6
49	Fall River	48.8	48.3	48.0	(1)	(1)	(1)	(1)	(1)	(1)	23.1	22.9	23.1
50	Lawrence-Haverhill	81.7	81.3	80.2	(1)	(1)	(1)	2.2	2.0	2.1	38.3	37.9	39.0
51	Lowell	55.1	54.4	54.6	(1)	(1)	(1)	3.0	2.7	2.9	20.7	20.6	21.3
52	New Bedford	55.0	54.1	56.3	(1)	(1)	(1)	1.8	1.8	1.9	26.0	25.4	27.4
53	Springfield-Chicopee-Holyoke	197.6	195.0	199.5	(1)	(1)	(1)	8.5	8.2	8.7	69.5	68.2	74.2
54	Worcester	131.4	130.3	132.4	(1)	(1)	(1)	5.9	5.4	5.6	46.3	46.1	49.6

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	
4.1	4.1	4.0	14.6	14.7	14.6	3.2	3.2	3.2	9.8	9.8	9.8	19.4	20.2	19.5	1
3.3	3.3	3.3	13.8	13.8	13.3	4.1	4.0	3.8	8.7	8.7	8.7	16.3	16.3	17.2	2
3.5	3.5	3.5	14.6	14.5	14.6	4.2	4.0	4.0	9.3	9.1	9.0	27.6	27.9	27.7	3
6.8	7.0	7.1	15.4	15.3	15.6	3.2	3.2	3.2	9.6	9.4	9.5	12.0	12.0	12.0	4
24.3	23.7	22.9	66.4	65.4	62.6	18.3	18.0	17.0	56.7	55.6	52.8	73.2	72.3	72.1	5
20.5	20.0	19.4	57.0	56.1	53.5	17.0	16.7	15.6	47.4	46.3	44.0	64.2	63.1	64.2	6
14.6	14.3	14.1	49.3	48.5	48.0	8.0	7.9	7.6	32.4	31.2	31.6	49.6	48.4	47.4	7
3.3	3.3	3.2	11.3	11.2	10.6	2.8	2.8	2.6	6.6	6.5	6.1	9.8	9.3	9.0	8
262.9	260.0	292.3	961.8	954.4	947.9	238.8	235.0	230.9	693.1	687.7	677.0	633.6	631.9	611.4	9
(*)	187.7	211.1	(*)	673.9	673.3	(*)	183.1	180.7	(*)	512.3	501.5	(*)	364.6	354.0	10
(*)	200.9	225.2	(*)	711.9	710.7	(*)	189.3	186.9	(*)	535.2	523.3	(*)	387.4	375.9	11
(*)	6.7	7.2	(*)	29.2	29.2	(*)	5.2	5.1	(*)	18.9	18.0	(*)	22.6	23.4	12
(*)	7.2	7.3	(*)	28.2	28.0	(*)	5.3	5.1	(*)	19.2	18.2	(*)	15.2	14.8	13
(*)	3.2	3.5	(*)	20.7	20.8	(*)	3.2	3.2	(*)	14.1	13.5	(*)	10.3	9.4	14
100.7	99.4	100.8	369.9	370.1	364.8	76.4	75.5	74.9	210.6	208.8	205.6	298.1	301.2	289.7	15
5.2	5.2	5.3	18.9	18.8	19.1	3.3	3.3	3.3	13.4	13.0	13.0	8.5	8.6	8.3	16
8.5	8.1	8.2	28.1	28.2	26.7	6.6	6.6	6.3	15.8	15.8	15.2	12.1	12.1	11.5	17
13.4	13.2	14.1	38.3	38.0	37.4	6.3	6.2	6.2	22.5	23.0	21.9	22.7	22.8	21.9	18
28.4	28.3	27.8	95.6	95.2	95.3	29.3	29.0	28.9	55.7	55.7	53.4	67.9	67.3	66.5	19
2.4	2.4	2.6	9.0	8.9	8.7	1.4	1.4	1.4	5.3	5.2	5.0	8.3	9.0	7.8	20
5.0	4.9	5.0	20.5	20.3	21.3	4.9	4.9	4.9	16.1	15.9	16.1	10.6	10.9	10.4	21
4.1	4.1	4.2	12.8	12.9	13.1	1.7	1.7	1.7	6.6	6.6	6.5	9.8	11.3	9.7	22
52.2	50.6	52.3	210.3	209.7	208.0	42.9	42.3	41.5	145.9	146.7	143.0	181.0	180.3	171.3	23
3.2	3.1	3.2	13.5	13.4	13.6	3.1	3.1	3.1	9.8	10.5	9.6	7.2	7.3	6.8	24
9.4	9.0	9.3	32.2	32.2	33.1	15.7	15.5	14.8	22.0	22.5	21.0	19.5	18.6	18.5	25
1.7	1.7	1.7	6.7	6.7	6.8	.9	.9	.9	5.9	6.6	5.6	2.6	2.7	2.3	26
3.3	3.2	3.3	11.8	11.7	11.7	2.1	2.0	2.0	7.7	7.8	7.5	5.3	5.5	5.2	27
2.4	2.4	2.5	9.9	9.8	9.9	1.5	1.5	1.5	7.4	7.4	7.4	7.5	8.1	6.9	28
52.2	51.3	52.5	160.4	158.5	158.0	30.4	30.1	30.0	103.7	103.7	100.5	148.1	155.4	148.4	29
7.1	7.0	7.5	13.2	13.2	13.0	4.0	3.9	3.8	10.3	10.2	9.9	14.8	15.3	15.3	30
7.9	7.7	7.9	31.6	31.6	33.0	6.6	6.5	6.8	25.2	25.1	24.2	18.6	19.6	18.6	31
60.9	60.2	60.8	185.6	185.0	181.8	35.9	35.3	35.3	128.6	129.5	124.1	171.2	174.0	167.9	32
4.3	4.3	4.2	14.6	14.7	14.6	3.8	3.7	3.7	12.5	13.1	11.9	21.4	21.4	20.0	33
23.4	23.2	23.1	71.9	72.4	68.9	17.4	17.2	16.8	49.9	49.8	46.8	42.7	42.3	39.3	34
95.2	94.4	95.8	226.9	226.6	230.7	50.0	49.7	49.5	152.7	149.8	154.3	211.3	214.8	204.6	35
4.7	4.7	5.3	21.2	21.1	22.3	5.5	5.4	5.7	14.6	14.6	14.3	24.8	24.9	23.8	36
2.9	2.8	3.3	8.2	8.2	8.3	1.5	1.5	1.5	5.7	5.8	5.9	6.5	7.1	6.4	37
2.5	2.4	2.4	10.2	10.2	9.9	2.4	2.4	2.4	5.1	5.3	5.1	7.1	7.4	7.0	38
47.2	46.8	48.3	89.2	89.1	89.0	22.5	22.5	22.8	65.3	67.2	63.9	58.6	57.3	55.8	39
9.5	9.4	9.5	23.4	23.2	23.0	4.8	4.7	4.7	14.5	14.0	14.6	14.8	15.5	14.1	40
17.6	17.2	17.5	67.9	67.0	65.6	12.3	12.1	11.8	43.5	42.0	43.2	67.9	67.3	65.9	41
.9	.9	1.0	6.3	6.3	6.2	.9	.9	.8	4.2	4.1	4.1	2.0	2.0	1.9	42
5.3	5.2	5.3	17.7	17.5	17.1	5.5	5.4	5.2	11.3	11.1	10.9	7.5	7.6	7.2	43
81.2	81.0	80.1	308.4	304.7	294.1	69.6	68.4	66.6	239.1	236.3	231.0	253.6	256.8	246.8	44
57.1	57.0	56.6	175.3	174.0	169.8	44.3	43.6	42.5	139.1	138.4	134.3	156.3	156.9	153.1	45
119.6	118.3	114.6	494.0	489.3	486.1	130.5	129.7	126.1	478.9	470.6	462.3	305.4	302.6	296.4	46
78.1	76.9	73.7	294.8	293.6	291.4	94.7	94.5	91.0	324.2	322.3	314.0	177.8	176.4	173.5	47
3.7	3.6	3.2	13.2	12.9	12.3	1.5	1.4	1.4	6.9	6.8	6.4	7.8	7.8	7.6	48
1.9	1.8	1.8	9.5	9.4	9.4	(1)	(1)	(1)	9.9	9.8	9.4	4.4	4.4	4.3	49
2.4	2.4	2.3	15.0	15.0	14.8	2.4	2.4	2.4	9.3	9.6	9.6	12.1	12.0	10.0	50
2.0	2.0	2.0	11.6	11.5	11.3	1.4	1.4	1.4	9.4	9.2	9.0	7.0	7.0	6.7	51
2.7	2.7	2.6	10.1	9.9	10.0	(1)	(1)	(1)	9.6	9.5	9.7	4.8	4.8	4.7	52
8.4	8.3	8.4	40.7	40.3	39.9	9.4	9.3	9.1	35.7	35.3	34.5	25.4	25.4	24.7	53
6.4	6.3	6.5	26.5	26.3	25.8	7.3	7.2	6.8	22.7	22.6	22.3	16.3	16.4	15.8	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969
1	MICHIGAN	3,019.4	3,023.2	3,088.1	13.3	12.9	13.3	96.7	101.4	118.6	1,108.0	1,102.7	1,180.6
2	Ann Arbor	104.1	105.5	102.3	(1)	(1)	(1)	3.3	3.1	3.5	34.1	34.5	37.2
3	Battle Creek	58.4	58.2	59.8	(1)	(1)	(1)	2.2	2.2	2.4	25.4	25.2	27.0
4	Bay City	28.4	29.5	30.9	(1)	(1)	(1)	.7	1.1	1.3	10.5	11.1	12.7
5	Detroit	1,501.4	1,498.8	1,549.7	1.1	1.1	1.1	48.5	51.2	60.4	568.8	567.9	607.5
6	Flint	156.5	159.9	163.1	(1)	(1)	(1)	5.5	6.6	6.5	83.1	84.5	89.4
7	Grand Rapids	183.4	181.6	190.3	(1)	(1)	(1)	7.8	7.2	10.1	71.2	70.1	76.7
8	Jackson	46.1	44.3	47.0	(1)	(1)	(1)	2.3	2.2	2.3	18.2	16.7	19.7
9	Kalamazoo	70.8	70.3	71.1	(1)	(1)	(1)	3.3	3.3	3.5	28.6	28.2	30.1
10	Lansing	132.2	133.8	129.3	(1)	(1)	(1)	4.5	4.7	6.4	38.8	38.8	39.6
11	Muskegon-Muskegon Heights	51.2	50.7	52.7	(1)	(1)	(1)	1.6	1.5	2.2	26.6	26.2	28.1
12	Saginaw	72.4	73.9	74.1	(1)	(1)	(1)	2.1	3.5	4.4	32.4	32.3	33.4
13	MINNESOTA	1,315.5	1,304.5	1,322.1	15.3	14.4	15.5	64.8	55.8	75.6	320.5	317.8	333.5
14	Duluth-Superior	57.1	56.8	57.7	(1)	(1)	(1)	2.5	2.2	2.5	10.5	10.4	10.7
15	Minneapolis-St. Paul	791.5	789.8	796.9	(1)	(1)	(1)	39.5	36.7	43.8	214.7	215.2	224.8
16	MISSISSIPPI	574.4	578.2	570.6	6.0	5.9	6.1	37.1	35.3	35.6	179.5	178.3	183.7
17	Jackson	90.1	90.1	89.5	.7	.7	.7	5.6	5.1	6.1	13.4	13.3	14.5
18	MISSOURI	1,652.6	1,645.5	1,671.7	8.7	8.3	9.3	65.2	60.6	70.8	442.8	436.2	460.2
19	Kansas City	507.3	503.9	508.2	.6	.6	.5	14.1	14.7	18.2	129.5	127.3	132.6
20	St. Joseph	32.4	32.0	33.0	(2)	(2)	(2)	1.9	1.5	2.5	10.2	10.2	10.3
21	St. Louis	912.1	892.4	916.8	2.2	1.5	2.5	40.7	36.9	41.5	278.6	272.9	290.6
22	Springfield	56.1	54.9	55.5	.1	.1	.1	3.3	3.0	2.7	15.0	14.6	15.5
23	MONTANA	204.1	198.1	203.2	6.8	6.6	6.0	11.4	10.6	12.2	23.6	22.8	24.3
24	Billings	28.7	27.9	28.1	(1)	(1)	(1)	1.8	1.2	1.5	2.7	2.6	2.9
25	Great Falls	25.2	24.2	25.3	(1)	(1)	(1)	2.1	1.5	2.4	2.9	2.9	3.0
26	NEBRASKA	487.0	482.4	478.1	2.0	1.9	1.9	29.4	27.3	28.1	85.4	83.1	88.9
27	Lincoln	72.5	70.5	71.0	-	-	-	3.7	3.6	4.0	10.3	9.0	10.9
28	Omaha	211.5	209.8	206.9	(2)	(2)	(2)	12.3	12.1	11.9	40.4	40.2	40.6
29	NEVADA	200.3	195.9	191.9	4.2	4.0	4.0	11.6	11.5	11.5	8.1	8.1	7.8
30	Las Vegas	110.0	109.6	104.8	.2	.2	.2	7.0	7.1	6.8	4.1	4.1	4.0
31	Reno	56.3	55.3	52.3	.2	.2	.2	3.5	3.5	3.1	2.9	2.9	2.7
32	NEW HAMPSHIRE	266.7	256.0	267.2	.4	.4	.4	13.4	11.6	15.3	95.1	94.0	99.2
33	Manchester	50.5	49.5	50.3	(1)	(1)	(1)	2.9	2.4	2.9	16.9	16.6	17.5
34	NEW JERSEY	2,641.9	2,615.6	2,628.8	3.4	3.3	3.6	126.9	124.7	125.5	874.1	873.1	906.9
35	Atlantic City	67.3	63.8	66.6	-	-	-	4.1	3.9	3.7	10.8	10.7	11.5
36	Camden ⁵	252.2	256.6	251.4	.1	.1	.1	15.1	14.6	14.3	69.4	74.2	77.0
37	Jersey City ⁶	270.7	269.6	271.7	-	-	-	8.1	8.0	7.4	110.8	110.6	114.8
38	Newark ⁶	806.0	798.7	804.5	1.0	1.0	1.0	33.5	32.1	34.5	251.2	249.6	262.0
39	Paterson-Clifton-Passaic ⁶	510.1	505.3	503.7	.5	.4	.4	23.3	22.5	23.0	188.7	187.0	195.3
40	Perth Amboy ⁶	280.3	277.9	270.4	.8	.8	.8	14.7	14.2	13.0	113.1	113.1	115.5
41	Trenton	133.5	132.6	132.2	(1)	(1)	(1)	4.6	4.4	4.0	40.8	40.0	42.0
42	NEW MEXICO	294.2	290.3	289.8	17.7	17.1	17.6	17.1	16.6	18.5	20.9	20.5	20.1
43	Albuquerque	107.5	106.7	105.0	(1)	(1)	(1)	6.9	6.8	7.2	9.0	9.0	8.5
44	NEW YORK	7,316.1	7,257.6	7,290.9	8.3	8.1	8.6	277.8	269.3	282.3	1,828.6	1,820.0	1,899.4
45	Albany-Schenectady-Troy	277.2	276.3	278.4	(1)	(1)	(1)	14.6	14.1	15.1	61.3	62.2	65.2
46	Binghamton	106.0	105.2	106.2	(1)	(1)	(1)	5.1	4.5	4.7	43.7	43.1	45.4
47	Buffalo	503.8	503.4	502.1	(1)	(1)	(1)	17.5	19.9	16.4	173.8	171.8	178.0
48	Elmira	39.3	38.9	39.7	(1)	(1)	(1)	2.1	2.0	2.0	15.6	15.6	16.2
49	Monroe County ⁷	302.3	300.3	308.2	(1)	(1)	(1)	7.1	7.2	14.0	133.7	132.1	135.8
50	Nassau and Suffolk Counties ⁸	731.7	716.9	713.5	(1)	(1)	(1)	43.0	41.8	40.9	152.8	152.9	165.9
51	New York-Northeastern New Jersey	(*)	(*)	6,781.1	(*)	(*)	4.9	(*)	(*)	253.6	(*)	(*)	1,788.3
52	New York SMSA ⁶	4,975.6	4,937.1	4,930.7	2.7	2.7	2.6	175.9	168.3	175.7	1,060.2	1,058.5	1,100.8
53	New York City ⁸	3,868.6	3,853.0	3,847.0	2.1	2.1	2.0	109.7	108.0	110.3	814.3	813.2	839.4
54	Rochester	341.8	339.5	348.9	(1)	(1)	(1)	8.3	8.4	16.1	145.8	144.0	148.5
55	Rockland County ⁸	60.9	59.6	59.7	(1)	(1)	(1)	3.6	3.5	4.2	15.4	15.3	16.1
56	Syracuse	227.3	227.8	229.8	(1)	(1)	(1)	11.7	11.2	12.5	64.2	64.1	68.5
57	Utica-Rome	117.4	116.0	118.9	(1)	(1)	(1)	3.9	3.5	4.2	41.6	41.4	44.5
58	Westchester County ⁸	314.4	307.6	310.5	(1)	(1)	(1)	19.6	15.0	20.3	77.6	77.2	79.3

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	
150.4	149.1	149.0	580.3	579.5	584.7	117.3	115.8	116.2	408.8	405.7	403.9	544.8	556.0	521.8	1
2.7	2.7	2.7	14.2	14.1	12.9	2.3	2.2	2.2	11.2	11.1	10.4	36.4	37.8	33.4	2
2.7	2.6	2.3	9.2	9.2	9.2	3.1	3.2	3.3	7.8	7.8	7.7	8.0	8.1	7.9	3
1.6	1.6	1.6	6.9	6.7	7.0	.8	.8	.8	3.8	3.8	3.7	4.2	4.3	3.8	4
80.3	79.4	79.9	291.9	290.4	293.4	68.4	67.8	67.6	215.6	215.6	219.2	226.7	225.4	220.6	5
5.8	5.8	5.1	20.6	21.2	22.4	4.2	4.2	4.3	16.6	16.8	16.6	20.7	20.7	18.8	6
9.9	9.6	10.1	43.4	43.4	42.7	7.3	7.3	7.5	26.5	26.5	26.5	17.2	17.5	16.8	7
4.3	4.3	4.0	8.6	8.5	8.5	1.4	1.4	1.4	5.1	5.1	5.0	6.3	6.3	6.2	8
2.3	2.3	2.3	13.3	13.3	13.1	2.2	2.2	2.2	9.2	9.2	8.8	11.7	11.9	11.1	9
3.5	3.5	3.1	19.6	20.5	20.8	5.2	5.2	5.0	16.7	17.1	14.8	43.8	44.2	39.6	10
2.7	2.6	2.8	8.1	8.1	8.0	1.3	1.3	1.3	5.5	5.5	5.3	5.4	5.6	4.9	11
4.7	4.7	4.5	13.3	13.2	13.2	2.8	2.8	2.7	9.0	8.9	8.7	8.2	8.6	7.3	12
90.4	89.2	88.9	315.6	315.6	310.9	65.0	64.4	63.1	211.8	213.9	208.2	232.0	233.5	226.4	13
7.5	7.5	8.2	13.4	13.5	13.7	2.0	2.0	2.0	11.2	11.3	10.6	10.0	10.0	9.9	14
58.1	57.2	58.1	188.7	189.1	187.3	48.3	47.8	46.7	140.7	141.9	134.6	101.4	102.0	101.6	15
31.2	30.6	30.0	107.2	106.3	104.7	20.7	20.6	19.9	66.6	65.8	66.4	126.2	135.4	124.2	16
5.6	5.6	5.7	21.9	21.6	20.7	7.0	6.8	6.7	15.3	16.1	15.0	20.6	21.0	20.2	17
126.8	125.2	126.8	372.0	367.7	374.5	89.8	89.2	89.7	258.2	259.9	260.5	289.1	298.4	279.9	18
51.2	50.9	51.2	124.5	123.9	123.5	33.3	32.8	32.4	82.3	81.1	80.4	71.8	72.6	69.4	19
2.1	2.1	2.1	7.7	7.7	7.8	1.3	1.3	1.3	4.7	4.6	4.8	4.5	4.6	4.2	20
69.0	67.2	68.5	195.3	188.7	190.7	47.9	47.6	47.7	152.4	153.0	150.8	126.0	124.6	124.5	21
4.3	4.3	4.4	13.6	13.5	13.3	2.1	2.1	2.4	9.2	9.1	9.2	8.5	8.2	7.9	22
17.6	16.8	18.2	48.1	47.1	48.0	8.0	7.9	7.9	34.1	32.6	33.6	54.5	53.7	53.0	23
2.7	2.7	2.8	8.9	8.9	8.9	1.5	1.5	1.5	5.9	5.9	5.7	5.2	5.1	4.8	24
2.1	2.1	2.2	6.6	6.5	6.4	1.4	1.4	1.4	5.1	4.8	4.8	5.0	5.0	5.1	25
37.9	36.3	37.6	123.4	123.3	118.4	29.8	29.1	28.3	80.3	81.8	78.8	98.9	99.7	96.1	26
5.0	4.9	5.2	14.9	14.9	14.7	5.5	5.3	5.2	11.7	11.9	10.8	21.4	20.8	20.2	27
21.3	20.6	20.9	53.3	52.8	51.4	17.2	16.7	16.3	38.0	37.4	36.3	29.0	30.1	29.5	28
14.1	13.8	13.6	38.8	37.7	36.1	7.4	7.4	7.2	78.7	75.7	75.5	37.4	37.7	36.2	29
7.4	7.3	6.9	21.2	20.8	19.4	3.7	3.7	3.5	50.1	49.7	48.2	16.3	16.7	15.8	30
4.8	4.7	4.7	12.5	12.3	11.2	3.1	3.1	2.9	19.5	18.4	17.9	9.8	10.2	9.6	31
11.6	11.4	11.2	51.8	50.6	49.5	11.1	10.8	10.4	46.4	39.7	45.4	36.9	37.5	35.8	32
3.6	3.6	3.5	11.8	11.6	11.8	3.0	3.0	2.8	8.2	8.2	7.9	4.1	4.1	3.9	33
180.1	178.3	181.5	541.6	531.8	526.4	121.1	119.2	115.0	422.1	414.2	409.0	372.6	371.0	360.9	34
3.8	3.7	3.7	18.9	16.9	18.9	2.9	2.9	2.9	16.0	15.0	15.8	10.8	10.7	10.1	35
13.5	13.2	13.1	59.6	59.6	55.6	9.1	9.0	8.9	39.1	39.9	38.0	46.3	46.0	44.4	36
37.6	37.2	37.9	44.4	44.2	42.2	9.8	9.7	9.3	30.5	30.5	31.5	29.5	29.4	28.6	37
62.5	61.9	63.4	155.8	154.6	153.2	57.7	57.0	54.6	139.1	137.7	134.3	105.2	104.8	101.5	38
26.1	26.2	25.8	123.7	122.6	116.7	18.6	18.3	17.7	76.4	76.0	75.3	52.8	52.3	49.5	39
14.0	13.9	13.7	54.5	53.8	50.9	5.8	5.7	5.6	31.7	31.4	29.6	45.7	45.0	41.3	40
6.6	6.6	6.8	21.0	21.1	20.4	4.9	4.9	4.6	28.1	28.1	27.3	27.5	27.5	27.1	41
20.1	20.1	19.6	61.5	60.6	60.2	12.8	12.7	11.5	55.2	52.8	56.2	88.9	89.9	86.1	42
6.8	6.7	6.3	26.0	25.4	25.4	6.5	6.3	6.4	25.8	25.7	25.8	26.5	26.8	25.4	43
517.8	510.5	506.8	1,461.2	1,445.6	1,456.8	607.5	605.4	599.2	1,384.4	1,375.6	1,349.7	1,230.6	1,223.1	1,188.1	44
15.7	15.5	15.7	54.5	53.8	52.8	11.0	10.8	10.7	46.5	45.9	45.9	73.5	73.9	73.1	45
4.7	4.7	4.6	18.2	18.0	17.8	3.2	3.2	3.1	12.0	12.0	11.8	19.1	19.6	18.8	46
33.7	33.2	33.8	102.1	101.4	102.8	19.5	19.3	19.0	77.2	77.2	74.6	80.1	80.7	77.4	47
1.7	1.6	1.6	7.6	7.5	7.7	1.1	1.1	1.0	5.9	5.9	5.8	5.3	5.3	5.2	48
10.6	10.6	11.6	53.9	53.8	54.6	11.5	11.3	10.9	49.9	49.5	47.4	35.5	35.8	33.9	49
33.8	33.3	30.8	188.4	183.8	182.3	31.8	31.3	29.9	136.3	129.4	126.8	145.6	144.4	136.9	50
(*)	(*)	524.1	(*)	(*)	1,378.4	(*)	(*)	602.2	(*)	(*)	1,261.1	(*)	(*)	968.5	51
395.8	391.1	383.2	1,018.2	1,010.8	1,015.4	519.8	518.8	515.0	1,018.9	1,011.7	990.5	784.1	775.1	747.6	52
339.4	335.5	331.3	751.5	749.2	754.4	472.2	471.8	469.5	805.2	805.4	788.1	574.2	567.9	552.0	53
12.2	12.3	13.2	61.4	61.1	62.0	12.4	12.1	11.7	54.0	53.3	51.7	47.8	48.3	45.7	54
3.2	3.1	3.1	10.8	10.6	10.3	1.8	1.8	1.8	10.0	9.7	9.6	16.1	15.7	14.6	55
14.1	13.9	14.2	50.4	49.9	48.9	12.1	11.9	11.2	35.7	37.5	35.9	39.1	39.3	38.6	56
5.6	5.6	5.4	18.8	18.4	18.6	4.7	4.6	4.5	15.5	15.2	14.9	27.3	27.3	27.0	57
19.4	19.3	18.1	67.5	67.3	68.4	14.0	13.9	13.8	68.1	67.8	66.6	48.3	47.2	44.1	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969
1	NORTH CAROLINA	1,749.0	1,741.2	1,739.4	3.7	3.6	3.7	103.3	98.1	102.5	699.0	692.1	716.4
2	Asheville	-	-	-	-	-	-	-	-	-	19.1	19.0	20.4
3	Charlotte	179.2	177.2	176.6	(1)	(1)	(1)	12.5	11.7	13.0	41.2	41.2	42.1
4	Greensboro-Winston-Salem-High Point	258.8	257.5	257.4	(1)	(1)	(1)	14.9	14.2	14.5	110.6	108.9	113.3
5	Raleigh	-	-	-	-	-	-	-	-	-	14.2	14.3	14.3
6	NORTH DAKOTA	163.4	161.1	160.5	1.8	1.7	1.9	9.9	8.1	9.2	9.4	9.1	9.1
7	Fargo-Moorhead	41.6	42.1	40.8	(1)	(1)	(1)	2.9	2.9	3.3	2.8	2.7	2.9
8	OHIO	3,952.8	3,907.2	3,942.4	21.3	21.0	20.1	183.4	161.0	191.3	1,409.5	1,403.3	1,485.2
9	Akron	243.1	240.1	248.7	.3	.3	.3	10.3	9.3	10.3	88.8	88.0	100.9
10	Canton	138.7	135.8	138.8	.4	.4	.4	5.9	5.6	5.8	60.7	58.6	63.9
11	Cincinnati	515.9	515.0	507.6	.4	.4	.4	23.9	23.5	24.4	170.0	171.0	175.1
12	Cleveland	872.4	859.9	879.0	1.8	1.7	1.6	34.2	26.2	41.3	300.0	299.6	319.7
13	Columbus	387.7	383.4	376.7	.9	.8	.8	19.7	18.5	20.4	91.2	91.6	92.8
14	Dayton	339.9	338.8	336.6	.5	.5	.5	14.2	13.2	14.6	129.8	130.1	135.2
15	Toledo	249.6	247.3	243.7	.3	.3	.3	10.9	10.3	11.0	83.4	82.9	84.5
16	Youngstown-Warren	197.5	195.4	200.2	.3	.3	.3	10.3	9.6	10.0	85.4	84.2	92.5
17	OKLAHOMA	767.6	761.6	762.4	39.2	38.4	40.9	38.7	37.5	39.1	130.9	129.0	130.9
18	Oklahoma City	256.4	253.9	252.4	6.8	6.8	6.9	13.9	13.5	13.4	37.9	37.0	35.2
19	Tulsa	179.4	179.3	180.1	13.2	13.2	14.1	9.1	8.8	9.3	43.2	43.1	44.2
20	OREGON	715.6	696.6	723.3	1.4	1.5	1.5	28.7	27.0	35.3	173.5	165.8	186.9
21	Eugene	67.7	66.0	70.3	(1)	(1)	(1)	3.0	2.8	3.5	17.9	17.4	19.8
22	Portland	382.1	376.5	388.5	(1)	(1)	(1)	16.7	16.4	20.7	86.5	84.2	93.5
23	Salem	54.6	51.7	54.8	(1)	(1)	(1)	2.5	2.3	2.6	10.7	7.9	11.8
24	PENNSYLVANIA	4,416.5	4,375.2	4,444.7	40.2	39.3	39.1	216.6	205.3	219.5	1,536.7	1,523.7	1,603.9
25	Allentown-Bethlehem-Easton	220.3	218.0	218.4	.5	.5	.5	8.9	8.5	8.8	107.3	106.2	107.7
26	Altoona	49.0	49.0	48.9	(1)	(1)	(1)	2.1	1.9	2.0	16.1	16.2	16.3
27	Erie	100.3	99.6	98.2	(1)	(1)	(1)	4.7	4.4	4.7	44.8	43.4	44.3
28	Harrisburg	175.2	172.3	177.6	(1)	(1)	(1)	9.1	8.9	10.2	40.0	38.7	40.7
29	Johnstown	81.9	80.4	80.5	5.0	4.7	5.0	3.8	3.5	3.5	26.3	25.9	26.6
30	Lancaster	121.6	120.6	119.8	(1)	(1)	(1)	6.6	6.1	6.3	55.6	54.9	56.7
31	Philadelphia	1,812.8	1,814.8	1,827.1	1.2	1.2	1.3	84.6	81.8	92.1	552.2	556.6	584.7
32	Pittsburgh	875.0	866.5	892.5	9.4	9.0	8.8	48.5	47.3	49.3	276.8	274.9	295.6
33	Reading	125.5	124.3	125.0	(1)	(1)	(1)	4.9	4.7	4.3	57.8	57.9	59.9
34	Scranton	86.6	87.2	87.7	.5	.4	.5	2.7	2.9	2.9	32.5	33.5	35.8
35	Wilkes-Barre-Hazleton	121.9	122.4	124.4	2.3	2.3	2.4	5.4	4.6	5.5	49.9	52.0	54.5
36	York	134.3	132.5	131.2	(1)	(1)	(1)	8.5	8.1	8.1	62.5	61.2	61.7
37	RHODE ISLAND	338.8	332.3	347.7	(1)	(1)	(1)	16.5	15.7	15.0	119.8	119.1	129.1
38	Providence-Pawtucket-Warwick	350.5	344.4	359.0	(1)	(1)	(1)	16.5	16.0	15.5	136.0	135.3	144.9
39	SOUTH CAROLINA	813.6	815.6	817.3	1.7	1.7	1.7	52.7	51.8	51.5	333.2	331.6	343.5
40	Charleston	87.5	87.7	89.8	(1)	(1)	(1)	5.9	5.9	6.6	15.6	15.7	16.4
41	Columbia	107.2	107.2	105.6	(1)	(1)	(1)	7.4	7.1	7.8	20.0	19.8	20.1
42	Greenville	123.9	124.0	123.6	(1)	(1)	(1)	10.3	10.2	10.4	55.1	54.7	55.8
43	SOUTH DAKOTA	179.2	175.2	175.5	2.3	2.2	2.3	8.5	7.8	9.8	16.0	15.7	16.2
44	Sioux Falls	34.4	33.9	34.4	(1)	(1)	(1)	1.8	1.6	2.1	6.1	6.0	6.1
45	TENNESSEE	1,318.1	1,318.5	1,323.9	7.5	7.6	6.9	67.6	67.2	71.7	453.8	455.3	473.0
46	Chattanooga	122.3	124.3	126.6	.3	.2	.2	5.2	5.2	5.5	50.6	51.0	54.4
47	Knoxville	147.1	146.8	150.5	1.8	1.8	1.7	8.0	8.1	8.2	44.5	44.6	49.7
48	Memphis	270.8	266.8	274.9	.3	.2	.3	13.4	8.4	14.9	58.3	59.7	64.0
49	Nashville	221.1	220.2	218.4	(1)	(1)	(1)	13.9	13.8	14.9	62.4	62.1	61.5
50	TEXAS	3,741.2	3,723.5	3,636.6	105.2	102.2	107.0	250.3	245.2	238.2	740.0	736.4	755.8
51	Amarillo	-	-	-	-	-	-	-	-	-	7.4	7.3	6.7
52	Austin	-	-	-	-	-	-	-	-	-	11.6	11.4	10.6
53	Beaumont-Port Arthur-Orange	-	-	-	-	-	-	-	-	-	37.7	37.9	37.5
54	Corpus Christi	-	-	-	-	-	-	-	-	-	11.5	11.4	11.4

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	
93.2	91.8	90.7	308.9	308.3	308.9	71.4	69.9	67.4	206.4	204.8	205.3	263.1	272.6	244.5	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.5	18.4	18.4	46.4	46.2	45.5	12.4	12.2	12.2	27.2	26.8	26.3	21.0	20.7	19.1	3
16.0	15.7	15.5	46.3	46.3	45.7	12.5	12.3	12.0	31.0	30.3	30.6	27.5	29.8	25.8	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
12.0	11.5	12.3	44.1	43.8	44.0	7.1	7.0	6.9	29.1	29.1	28.4	50.2	50.8	48.8	6
3.3	3.2	3.3	12.4	12.5	12.2	2.3	2.3	2.3	8.1	8.8	7.8	9.6	9.7	9.0	7
234.9	231.0	224.6	788.5	781.2	762.7	159.4	156.9	153.0	584.3	577.2	554.4	571.5	575.5	551.2	8
15.5	15.1	14.7	49.3	49.1	48.0	6.9	6.8	6.7	35.6	35.0	33.4	36.6	36.4	34.5	9
7.1	6.9	7.0	27.2	27.0	25.9	4.8	4.7	4.6	19.6	19.3	18.7	13.0	13.3	12.7	10
37.1	36.6	35.5	109.0	107.5	104.7	26.3	26.0	25.8	82.5	81.7	77.6	66.6	68.2	64.1	11
55.5	54.4	52.8	186.0	183.6	181.5	43.1	42.3	40.9	141.4	140.4	134.2	110.5	111.7	107.2	12
22.7	22.3	21.0	79.6	79.1	77.5	26.1	25.6	24.2	65.6	64.6	61.6	82.2	80.9	78.3	13
13.2	12.9	12.6	61.8	61.9	59.2	10.2	10.0	9.4	50.7	50.2	46.9	59.5	60.1	58.2	14
18.1	17.7	17.3	53.2	52.6	52.1	8.2	8.1	7.9	39.4	38.9	37.3	36.0	36.4	33.2	15
10.1	10.1	9.8	38.1	37.6	36.2	5.7	5.7	5.5	27.2	26.9	25.9	20.5	21.0	19.9	16
53.6	52.4	54.2	169.1	168.1	166.5	37.1	36.6	36.3	109.7	109.0	108.7	189.3	190.6	185.8	17
17.3	16.8	17.3	57.1	56.7	56.0	15.7	15.6	15.5	37.8	37.5	37.3	69.9	70.0	70.8	18
16.9	16.8	16.6	39.3	39.3	39.9	9.7	9.5	9.1	30.2	30.2	29.0	17.8	18.4	17.9	19
49.3	48.1	49.8	161.4	160.0	159.4	35.6	35.3	35.0	113.1	110.7	110.1	152.6	148.2	145.3	20
4.1	4.0	4.3	13.0	13.1	13.6	2.9	2.9	2.9	9.6	9.6	9.4	17.2	16.2	16.8	21
30.9	29.8	30.9	92.4	92.1	93.1	24.3	24.1	24.1	69.2	68.5	65.7	62.1	61.4	60.5	22
1.9	1.9	1.8	10.8	10.8	10.6	3.1	3.1	3.1	7.6	7.8	7.4	18.0	17.9	17.5	23
276.5	272.1	271.8	819.7	816.5	825.7	193.3	190.7	186.5	705.3	694.7	684.3	628.2	632.9	613.9	24
12.2	12.0	12.2	35.7	35.5	35.5	6.9	6.8	6.5	28.2	28.0	27.6	20.6	20.5	19.6	25
7.5	7.5	7.7	8.6	8.6	8.3	1.2	1.2	1.2	7.1	7.1	7.2	6.4	6.5	6.2	26
5.3	5.4	5.5	17.5	17.5	16.9	3.7	3.7	3.5	13.5	13.6	12.7	10.8	11.6	10.6	27
13.8	13.7	13.5	32.7	32.1	33.4	8.7	8.6	8.7	25.7	25.4	26.8	45.2	44.9	44.3	28
4.6	4.9	4.6	14.0	13.7	13.6	2.3	2.2	2.1	12.9	12.8	12.9	13.0	12.7	12.2	29
5.5	5.6	5.4	23.2	23.0	21.9	2.9	2.9	2.8	17.4	17.3	16.8	10.4	10.8	9.9	30
111.4	110.4	107.9	372.0	373.5	368.5	102.8	101.6	100.0	320.2	320.1	311.5	268.4	269.6	261.1	31
60.5	58.5	60.1	174.3	172.9	176.3	38.7	38.4	37.0	161.1	160.0	158.1	105.7	105.5	107.3	32
6.5	6.5	6.5	19.9	19.6	19.6	4.9	4.8	4.8	17.4	16.8	17.0	14.1	14.0	12.9	33
5.2	5.2	5.1	18.0	17.7	17.2	2.6	2.6	2.7	14.8	14.6	13.9	10.3	10.3	9.6	34
7.0	6.9	6.8	21.6	21.6	21.1	4.2	4.1	3.9	15.4	14.9	15.0	16.1	16.0	15.2	35
6.2	6.2	5.8	24.7	24.9	23.7	3.0	2.8	2.9	15.3	15.2	15.2	14.1	14.1	13.8	36
15.7	15.4	15.5	64.9	61.0	65.8	15.2	15.0	15.3	54.1	53.5	53.8	52.6	52.6	53.2	37
15.4	15.0	15.2	65.4	61.4	66.2	15.2	15.0	15.3	53.0	52.4	52.6	49.0	49.3	49.3	38
36.9	36.7	36.0	135.4	135.4	136.1	29.4	29.1	28.5	82.9	82.6	86.7	141.4	146.7	133.3	39
5.4	5.3	5.6	16.7	16.9	16.9	3.5	3.5	3.5	10.3	10.5	10.3	30.1	29.9	30.5	40
7.0	7.0	6.9	22.2	22.3	22.0	6.7	6.6	6.4	14.2	14.1	13.9	29.7	30.3	28.5	41
4.8	4.8	4.7	21.4	21.4	21.2	4.9	4.8	4.8	12.7	12.7	13.1	14.7	15.4	13.6	42
10.0	9.7	10.5	46.9	46.5	45.7	7.6	7.4	7.3	31.7	31.3	31.2	56.2	54.6	52.5	43
3.4	3.4	2.9	10.1	10.0	10.0	2.1	2.0	2.0	6.5	6.4	6.9	4.6	4.5	4.4	44
66.6	66.2	65.8	260.5	260.5	256.3	57.8	57.4	57.3	178.8	178.1	178.3	225.5	226.2	214.6	45
6.2	6.2	6.3	22.6	22.6	23.3	7.3	7.3	7.0	16.0	16.0	15.8	14.1	15.8	14.1	46
7.0	6.9	6.6	31.9	32.0	31.8	4.8	4.8	4.9	20.1	19.9	19.7	29.0	28.7	27.9	47
20.2	19.9	20.0	68.3	68.6	68.2	15.0	14.8	14.7	46.4	45.8	44.5	48.9	49.4	48.3	48
13.3	13.1	13.3	47.2	46.9	47.5	14.2	14.2	13.3	36.3	36.5	35.5	33.8	33.6	32.4	49
270.3	266.4	258.8	893.1	887.5	851.3	196.6	193.6	186.8	626.9	617.7	594.3	658.8	674.5	644.4	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		
		June p 1970	May 1970	June 1969	June p 1970	May 1970	June 1969	June p 1970	May 1970	June 1969	June p 1970	May 1970	June 1969
	TEXAS (continued)												
1	Dallas	667.2	667.5	650.1	7.8	7.6	7.9	42.0	40.1	41.3	161.3	161.8	176.3
2	El Paso	-	-	-	-	-	-	-	-	-	24.2	24.0	22.8
3	Fort Worth	267.9	267.7	261.1	1.9	1.9	1.9	11.4	11.3	13.6	91.1	91.1	87.9
4	Galveston-Texas City	-	-	-	-	-	-	-	-	-	12.0	11.9	11.9
5	Houston	788.2	781.1	735.7	30.9	30.5	29.0	77.4	76.7	66.0	145.0	144.2	144.0
6	Lubbock	-	-	-	-	-	-	-	-	-	6.5	6.7	7.0
7	San Antonio	256.7	260.2	261.4	1.3	1.3	1.4	14.4	14.9	16.5	33.3	33.5	33.6
8	Waco	-	-	-	-	-	-	-	-	-	12.6	12.2	13.6
9	Wichita Falls	-	-	-	-	-	-	-	-	-	4.5	4.4	4.6
10	UTAH	360.4	359.9	351.7	12.9	12.5	12.6	16.9	15.5	15.8	54.3	53.2	54.8
11	Salt Lake City	187.8	185.9	184.7	7.7	7.5	7.7	8.4	8.0	8.7	28.8	28.4	29.2
12	VERMONT	149.9	144.8	146.6	1.0	1.0	1.1	11.5	10.7	10.5	42.1	40.2	44.3
13	Burlington ⁹	38.8	38.0	37.2	-	-	-	-	-	-	11.0	10.9	11.1
14	Springfield ⁹	13.0	12.6	13.6	-	-	-	-	-	-	5.9	5.9	6.8
15	VIRGINIA ³	1,466.0	1,451.5	1,450.7	15.5	15.3	14.5	100.9	96.4	100.9	361.4	359.0	371.1
16	Lynchburg	53.7	53.2	50.8	(1)	(1)	(1)	3.1	2.9	2.8	24.7	24.6	24.0
17	Newport News-Hampton	97.7	96.8	96.7	(1)	(1)	(1)	5.7	5.4	5.6	25.2	25.4	27.1
18	Norfolk-Portsmouth	200.9	198.9	202.3	(1)	(1)	(1)	14.1	13.5	13.8	19.8	19.8	20.5
19	Northern Virginia ¹⁰	258.3	255.3	255.2	.4	.4	.4	22.2	21.5	22.8	9.0	9.0	9.5
20	Richmond	236.1	235.7	231.8	.2	.2	.2	15.6	15.3	15.8	50.4	50.7	51.8
21	Roanoke	83.0	82.3	80.9	.1	.1	.1	5.3	4.9	5.4	19.7	19.6	19.2
22	WASHINGTON	1,105.5	1,098.7	1,149.3	1.8	1.8	1.8	58.0	55.3	62.8	240.5	240.9	287.8
23	Seattle-Everett	536.3	535.8	574.1	(1)	(1)	(1)	28.3	27.3	32.3	128.9	131.0	165.0
24	Spokane	89.2	89.1	89.9	(1)	(1)	(1)	4.9	4.7	5.1	12.3	12.3	13.8
25	Tacoma	109.1	107.7	111.2	(1)	(1)	(1)	5.1	5.0	6.4	19.7	19.0	21.5
26	WEST VIRGINIA	517.4	511.1	520.5	49.0	48.5	47.9	24.8	20.9	28.2	128.2	127.0	132.8
27	Charleston	82.1	81.0	83.3	4.0	3.9	3.5	3.5	3.1	4.5	17.5	17.1	18.8
28	Huntington-Ashland	81.8	81.5	81.3	.5	.5	.5	3.3	3.2	3.6	26.8	26.5	26.4
29	Wheeling	58.2	57.8	57.3	5.0	5.0	4.2	2.9	2.7	3.8	15.8	15.7	15.5
30	WISCONSIN	1,544.1	1,526.6	1,539.8	3.0	2.7	3.0	65.0	60.7	73.5	494.6	488.1	523.4
31	Green Bay	55.1	54.3	53.7	(1)	(1)	(1)	2.3	2.2	2.9	16.8	16.3	16.5
32	Kenosha	35.4	35.3	33.7	(1)	(1)	(1)	1.2	1.2	1.4	16.3	16.2	15.5
33	La Crosse	29.4	29.5	29.7	(1)	(1)	(1)	1.2	1.2	1.4	8.4	8.2	9.0
34	Madison	122.0	123.0	119.1	(1)	(1)	(1)	7.1	6.1	7.1	15.6	15.8	16.8
35	Milwaukee	569.0	563.8	573.4	(1)	(1)	(1)	23.0	21.5	26.1	199.6	197.9	212.4
36	Racine	55.7	54.8	56.6	(1)	(1)	(1)	1.6	1.6	2.0	24.9	24.7	26.3
37	WYOMING	113.6	107.6	115.3	12.0	11.3	12.0	6.8	5.8	7.7	6.9	6.7	7.0
38	Casper	20.0	19.5	20.7	4.9	4.7	4.2	1.2	1.1	1.5	1.4	1.3	1.4
39	Cheyenne	17.8	17.3	18.8	(1)	(1)	(1)	.9	.9	1.0	1.2	1.1	1.1

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

* Not available.
 p = preliminary.
 SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
June 1970 ^p	May 1970	June 1969	June 1970 ^p	May 1970	June 1969	June 1970 ^p	May 1970	June 1969	June 1970 ^p	May 1970	June 1969	June 1970 ^p	May 1970	June 1969	
54.2	53.4	51.9	178.8	177.3	167.5	56.6	55.6	52.7	102.4	102.5	94.2	64.1	69.3	58.2	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
15.7	15.5	15.6	63.1	62.3	60.0	12.3	12.1	11.5	38.8	38.8	38.6	33.6	34.7	32.0	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
68.4	67.2	65.8	189.1	187.5	178.0	41.1	40.5	38.4	145.3	142.6	135.5	91.0	91.9	79.0	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.1	11.1	11.4	63.2	63.5	62.1	16.3	16.2	16.4	44.0	44.8	45.2	73.1	74.9	74.8	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.6	23.0	23.4	80.3	78.5	79.2	15.3	15.1	14.3	58.1	59.4	53.2	99.0	102.7	98.4	10
15.8	15.2	15.4	48.9	48.7	49.7	11.1	10.9	10.8	31.8	31.1	30.4	35.1	36.1	33.0	11
8.2	8.1	7.8	28.2	28.0	27.4	5.5	5.5	5.2	27.6	26.0	26.2	25.8	25.6	24.3	12
2.0	1.9	1.9	7.5	7.6	7.2	-	-	-	7.1	6.9	7.0	-	-	-	13
.9	.9	.9	1.9	1.9	1.9	-	-	-	1.7	1.6	1.6	-	-	-	14
100.1	97.9	97.0	303.1	299.7	293.9	70.7	69.1	66.3	212.6	210.7	211.2	301.7	303.4	295.8	15
2.6	2.5	2.3	9.1	8.9	8.2	2.0	2.0	2.0	6.6	6.6	6.1	5.6	5.7	5.4	16
4.5	4.4	4.4	17.5	17.2	15.9	3.1	3.0	2.9	12.8	12.7	11.8	28.9	28.7	29.0	17
16.6	16.5	16.5	49.3	48.6	48.1	9.3	9.2	9.2	30.7	30.1	30.6	61.1	61.2	63.6	18
20.7	19.8	19.9	61.5	60.6	58.4	16.6	16.0	15.2	45.4	45.0	45.5	82.5	83.0	83.5	19
18.3	18.2	17.9	53.8	53.7	51.6	18.3	18.2	17.9	34.9	34.8	33.9	44.6	44.6	42.7	20
11.1	11.1	10.8	19.4	19.2	18.6	4.3	4.3	4.1	12.8	12.8	12.8	10.3	10.3	9.9	21
75.6	73.6	75.2	246.6	245.6	248.7	60.0	59.6	59.5	174.3	173.8	170.0	248.7	248.1	243.5	22
40.6	39.9	41.4	123.4	122.7	123.8	36.5	36.2	36.0	85.5	84.9	84.2	93.1	93.8	91.4	23
7.4	7.2	7.8	23.1	23.0	23.1	5.3	5.2	5.0	18.4	18.8	18.0	17.8	17.9	17.1	24
6.9	7.0	6.8	24.3	24.2	24.3	6.3	6.3	6.0	19.4	19.2	18.5	27.4	27.0	27.7	25
42.4	41.8	42.0	93.8	93.7	93.6	15.6	15.4	15.3	65.3	65.6	65.2	98.3	98.1	95.5	26
8.9	8.9	9.0	18.8	18.7	18.7	4.2	4.1	3.7	11.5	11.6	11.5	13.6	13.6	13.5	27
8.3	8.2	8.1	17.8	17.8	17.7	2.9	2.9	2.8	10.1	10.1	10.2	12.2	12.4	11.9	28
3.8	3.7	3.6	12.6	12.7	12.8	2.2	2.1	2.1	9.1	9.0	8.6	7.0	6.8	6.7	29
81.3	80.8	81.0	340.8	338.2	324.2	62.5	61.7	59.4	228.8	225.6	220.4	268.1	268.7	255.1	30
4.7	4.6	4.6	14.1	14.2	13.5	1.5	1.5	1.4	8.3	8.3	8.0	7.3	7.2	6.8	31
1.3	1.4	1.3	6.3	6.2	6.1	.8	.8	.7	4.7	4.7	4.5	4.8	4.8	4.1	32
2.1	2.1	2.2	7.1	7.3	6.9	.7	.6	.6	5.7	5.6	5.4	4.3	4.5	4.2	33
6.0	5.8	5.4	24.9	25.0	23.4	6.6	6.5	6.2	18.1	18.1	17.1	43.7	45.8	43.0	34
31.5	31.3	31.3	125.8	124.9	120.0	29.3	28.9	28.1	86.6	86.3	84.2	73.2	72.9	71.2	35
2.1	2.1	2.2	10.1	9.9	9.9	1.4	1.4	1.4	8.0	7.8	7.8	7.6	7.3	7.0	36
11.3	10.8	11.3	25.2	24.2	25.4	3.8	3.8	3.6	18.3	15.5	18.1	29.3	29.5	30.2	37
1.3	1.3	1.6	4.5	4.5	4.6	.9	.9	.9	2.0	2.0	2.6	3.8	3.7	3.9	38
2.4	2.3	2.6	4.0	3.9	3.9	1.0	1.0	1.0	2.6	2.4	3.4	5.7	5.7	5.8	39

Advertisement on page 70 omitted.

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

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

Year and month	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
	Total private ¹			Mining			Contract construction			Manufacturing		
1947.....	\$45.58	40.3	\$1.131	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$49.17	40.4	\$1.217
1948.....	49.00	40.0	1.225	65.56	39.4	1.664	65.27	38.1	1.713	53.12	40.0	1.328
1949.....	50.24	39.4	1.275	62.33	36.3	1.717	67.56	37.7	1.792	53.88	39.1	1.378
1950.....	53.13	39.8	1.335	67.16	37.9	1.772	69.68	37.4	1.863	58.32	40.5	1.440
1951.....	57.86	39.9	1.45	74.11	38.4	1.93	76.96	38.1	2.02	63.34	40.6	1.56
1952.....	60.65	39.9	1.52	77.59	38.6	2.01	82.86	38.9	2.13	67.16	40.7	1.65
1953.....	63.76	39.6	1.61	83.03	38.8	2.14	86.41	37.9	2.28	70.47	40.5	1.74
1954.....	64.52	39.1	1.65	82.60	38.6	2.14	88.91	37.2	2.39	70.49	39.6	1.78
1955.....	67.72	39.6	1.71	89.54	40.7	2.20	90.90	37.1	2.45	75.70	40.7	1.86
1956.....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95
1957.....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11
1959 ²	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19
1960.....	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32
1962.....	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53
1965.....	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.93	37.4	4.41	122.51	40.7	3.01
1969.....	114.61	37.7	3.04	154.80	43.0	3.60	181.16	37.9	4.78	129.51	40.6	3.19
1969: July.....	115.90	38.0	3.05	154.37	43.0	3.59	184.21	38.7	4.76	128.88	40.4	3.19
August.....	116.59	38.1	3.06	156.96	43.6	3.60	187.68	39.1	4.80	129.92	40.6	3.20
September.....	117.87	37.9	3.11	158.41	43.4	3.65	193.36	39.3	4.92	132.84	41.0	3.24
October.....	117.31	37.6	3.12	159.78	43.3	3.69	189.97	38.3	4.96	132.28	40.7	3.25
November.....	117.38	37.5	3.13	161.08	43.3	3.72	184.39	37.1	4.97	132.36	40.6	3.26
December.....	117.62	37.7	3.12	160.64	43.3	3.71	189.13	37.6	5.03	134.89	41.0	3.29
1970: January.....	116.12	37.1	3.13	159.05	42.3	3.76	181.00	35.7	5.07	131.93	40.1	3.29
February.....	116.55	37.0	3.15	160.60	42.6	3.77	186.21	36.8	5.06	130.94	39.8	3.29
March.....	117.92	37.2	3.17	160.27	42.4	3.78	188.23	37.2	5.06	132.40	40.0	3.31
April.....	117.34	36.9	3.18	163.35	43.1	3.79	192.91	37.9	5.09	131.80	39.7	3.32
May.....	118.40	37.0	3.20	162.26	42.7	3.80	194.31	36.1	5.10	132.93	39.8	3.34
June P.....	120.05	37.4	3.21	163.50	42.8	3.82	196.74	38.5	5.11	134.40	40.0	3.36
July P.....	121.07	37.6	3.22	162.64	42.8	3.80	200.08	38.7	5.17	133.39	39.7	3.36
Year and month	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services		
1947.....	-	-	-	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140	-	-	-
1948.....	-	-	-	40.80	40.4	1.010	45.48	37.9	1.200	-	-	-
1949.....	-	-	-	42.93	40.5	1.060	47.63	37.8	1.260	-	-	-
1950.....	-	-	-	44.55	40.5	1.00	50.52	37.7	1.340	-	-	-
1951.....	-	-	-	47.79	40.5	1.18	54.67	37.7	1.45	-	-	-
1952.....	-	-	-	49.20	40.0	1.23	57.08	37.8	1.51	-	-	-
1953.....	-	-	-	51.35	39.5	1.30	59.57	37.7	1.58	-	-	-
1954.....	-	-	-	53.33	39.5	1.35	62.04	37.6	1.65	-	-	-
1955.....	-	-	-	55.16	39.4	1.40	63.92	37.6	1.70	-	-	-
1956.....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-
1957.....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-
1959 ²	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-
1960.....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-
1964.....	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94
1965.....	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05
1966.....	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17
1967.....	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29
1968.....	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	84.32	34.7	2.43
1969.....	147.74	40.7	3.63	91.14	35.6	2.56	108.33	37.1	2.92	91.26	34.7	2.63
1969: July.....	150.02	41.1	3.65	93.08	36.5	2.55	107.96	37.1	2.91	92.84	35.3	2.63
August.....	149.74	40.8	3.67	93.70	36.6	2.56	108.04	37.0	2.92	92.49	35.3	2.62
September.....	152.11	41.0	3.71	92.46	35.7	2.59	108.41	37.0	2.93	92.38	34.6	2.67
October.....	151.70	41.0	3.70	92.13	35.3	2.61	109.45	37.1	2.95	92.81	34.5	2.69
November.....	152.15	40.9	3.72	92.58	35.2	2.63	111.23	37.2	2.99	94.11	34.6	2.72
December.....	151.78	40.8	3.72	93.18	35.7	2.61	110.26	37.0	2.98	94.11	34.6	2.72
1970: January.....	151.07	40.5	3.73	93.02	35.1	2.65	111.44	36.9	3.02	93.98	34.3	2.74
February.....	151.88	40.5	3.75	93.80	35.0	2.68	112.48	37.0	3.04	95.01	34.3	2.77
March.....	150.75	40.2	3.75	93.80	35.0	2.68	112.85	37.0	3.05	96.81	34.7	2.79
April.....	149.25	39.8	3.75	93.88	34.9	2.69	111.81	36.9	3.03	95.70	34.3	2.79
May.....	153.12	40.4	3.79	94.50	35.0	2.70	111.57	36.7	3.04	96.04	34.3	2.80
June P.....	155.88	40.7	3.83	96.12	35.6	2.70	111.57	36.7	3.04	96.95	34.5	2.81
July P.....	157.85	41.0	3.85	98.01	36.3	2.70	112.55	36.9	3.05	98.07	34.9	2.81

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

² Data include Alaska and Hawaii 1959.

p= preliminary

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
-	TOTAL PRIVATE	\$121.07	\$120.05	\$118.40	\$115.90	\$115.22	\$3.22	\$3.21	\$3.20	\$3.05	\$3.04
-	MINING	162.64	163.50	162.26	154.37	150.59	3.80	3.82	3.80	3.59	3.56
10	METAL MINING	-	165.64	166.37	156.59	157.25	-	3.87	3.86	3.65	3.64
101	Iron ores	-	161.63	163.54	149.19	151.37	-	3.83	3.83	3.63	3.63
102	Copper ores	-	175.03	176.46	173.54	171.77	-	3.96	3.93	3.74	3.71
11,12	COAL MINING	-	181.40	177.01	157.50	144.02	-	4.49	4.47	4.20	4.08
12	Bituminous coal and lignite mining	-	184.37	179.05	159.89	145.85	-	4.53	4.51	4.23	4.12
13	OIL AND GAS EXTRACTION	-	152.08	152.65	153.42	151.70	-	3.57	3.55	3.44	3.44
131,2	Crude petroleum and natural gas fields	-	153.54	151.55	151.26	148.06	-	3.81	3.77	3.61	3.62
138	Oil and gas field services	-	150.38	152.66	154.51	153.85	-	3.41	3.40	3.33	3.33
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	159.16	156.18	152.33	152.06	-	3.46	3.44	3.29	3.27
142	Crushed and broken stone	-	160.01	158.05	156.00	156.01	-	3.39	3.37	3.25	3.23
-	CONTRACT CONSTRUCTION	200.08	196.74	194.31	184.21	180.48	5.17	5.11	5.10	4.76	4.70
15	GENERAL BUILDING CONTRACTORS	-	182.41	182.41	171.03	161.70	-	4.93	4.93	4.61	4.43
16	HEAVY CONSTRUCTION CONTRACTORS	-	206.58	195.16	190.92	187.03	-	4.76	4.68	4.44	4.38
161	Highway and street construction	-	196.22	180.11	182.75	179.31	-	4.48	4.34	4.25	4.17
162	Heavy construction, n.e.c.	-	216.29	208.66	199.55	193.77	-	5.03	4.98	4.63	4.57
17	SPECIAL TRADE CONTRACTORS	-	201.11	201.28	189.25	187.88	-	5.45	5.44	5.02	5.01
171	Plumbing, heating, air conditioning	-	211.66	211.63	202.00	200.97	-	5.57	5.54	5.14	5.14
172	Painting, paper hanging, decorating	-	177.64	180.54	170.17	167.19	-	5.09	5.10	4.74	4.67
173	Electrical work	-	234.83	234.83	224.52	224.62	-	5.93	5.93	5.53	5.56
174	Masonry, stonework, and plastering	-	182.82	180.76	172.13	170.10	-	5.33	5.27	4.89	4.86
176	Roofing and sheetmetal work	-	166.15	164.30	159.04	155.67	-	4.83	4.79	4.43	4.41
-	MANUFACTURING	133.39	134.40	132.93	128.88	130.06	3.36	3.36	3.34	3.19	3.18
19,24,25,32-39	DURABLE GOODS	142.76	145.30	143.07	138.24	139.86	3.56	3.57	3.55	3.38	3.37
20-23,26-31	NONDURABLE GOODS	121.13	119.95	118.95	116.22	115.31	3.09	3.06	3.05	2.92	2.89
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	144.80	145.71	146.47	135.72	139.94	3.62	3.58	3.59	3.41	3.43
192	Ammunition, except for small arms	(*)	140.80	140.80	130.70	135.20	(*)	3.52	3.52	3.36	3.38
1925	Complete guided missiles	-	174.29	172.63	166.00	166.69	-	4.14	4.12	4.00	3.95
1929	Ammunition, exc. for small arms, nec	-	122.54	123.24	114.61	120.51	-	3.15	3.16	3.04	3.09
24	LUMBER AND WOOD PRODUCTS	114.76	118.90	117.09	109.18	110.43	2.92	2.98	2.92	2.75	2.72
242	Sawmills and planing mills	114.23	114.86	112.84	104.01	106.23	2.87	2.85	2.80	2.62	2.61
2421	Sawmills and planing mills, general	-	118.48	116.35	107.32	109.21	-	2.94	2.88	2.71	2.69
243	Millwork, plywood & related products	124.40	125.83	124.31	114.26	117.10	3.11	3.13	3.10	2.90	2.87
2431	Millwork	-	121.35	119.95	110.58	114.69	-	3.08	3.06	2.85	2.86
2432	Veneer and plywood	-	128.74	126.79	114.73	117.01	-	3.14	3.07	2.89	2.84
244	Wooden containers	91.10	92.64	91.48	91.43	92.43	2.41	2.40	2.37	2.28	2.26
2441,2	Wooden boxes, shooks, and crates	-	91.48	89.32	90.27	91.02	-	2.37	2.32	2.24	2.22
249	Miscellaneous wood products	(*)	104.34	103.94	98.49	99.87	(*)	2.57	2.56	2.42	2.43
25	FURNITURE AND FIXTURES	104.60	107.64	105.88	104.01	106.90	2.76	2.76	2.75	2.62	2.62
251	Household furniture	(*)	99.97	98.94	97.32	100.04	(*)	2.59	2.59	2.47	2.47
2511	Wood household furniture	-	95.65	94.67	93.67	95.82	-	2.44	2.44	2.33	2.32
2512	Upholstered household furniture	-	102.30	101.94	100.99	106.40	-	2.75	2.77	2.63	2.66
2515	Mattresses and bedsprings	-	111.25	108.30	103.95	106.38	-	2.86	2.85	2.70	2.70
252	Office furniture	-	124.09	123.24	124.44	125.97	-	3.11	3.12	2.97	2.95
254	Partitions and fixtures	-	136.21	132.72	133.33	134.50	-	3.38	3.36	3.26	3.21
253,9	Other furniture and fixtures	116.31	116.72	114.07	107.64	114.05	2.99	2.97	2.94	2.76	2.83
32	STONE, CLAY, AND GLASS PRODUCTS	141.86	141.44	140.27	133.34	134.51	3.41	3.40	3.38	3.19	3.18
321	Flat glass	-	187.45	184.90	172.14	177.12	-	4.27	4.29	4.06	4.10
322	Glass and glassware, pressed or blown	138.00	137.60	138.98	130.73	132.36	3.45	3.44	3.44	3.26	3.26
3221	Glass containers	-	143.32	145.49	135.54	137.09	-	3.53	3.54	3.38	3.36
3229	Pressed and blown glass, n.e.c.	-	129.36	128.90	123.60	125.64	-	3.30	3.28	3.09	3.11
324	Cement, hydraulic	176.78	177.64	179.35	153.82	152.64	4.27	4.26	4.25	3.68	3.60
325	Structural clay products	112.35	114.45	115.14	109.75	110.56	2.83	2.84	2.85	2.69	2.69
3251	Brick and structural clay tile	-	110.83	110.16	106.59	106.17	-	2.69	2.70	2.55	2.54
326	Pottery and related products	-	117.34	114.30	113.39	113.76	-	3.04	3.00	2.90	2.88
327	Concrete, gypsum, and plaster products	149.80	148.58	146.35	144.70	144.90	3.42	3.40	3.38	3.23	3.22
328,9	Other stone and nonmetallic mineral products	(*)	139.06	137.42	131.43	133.34	(*)	3.40	3.36	3.19	3.19
3291	Abrasive products	-	133.56	133.25	130.81	131.08	-	3.46	3.47	3.32	3.31

See footnotes at end of table.

**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				
		July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969	July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969
-	TOTAL PRIVATE	37.6	37.4	37.0	38.0	37.9	-	-	-	-	-
-	MINING	42.8	42.8	42.7	43.0	42.3	-	-	-	-	-
10	METAL MINING	-	42.8	43.1	42.9	43.2	-	-	-	-	-
101	Iron ores	-	42.2	42.7	41.1	41.7	-	-	-	-	-
102	Copper ores	-	44.2	44.9	46.4	46.3	-	-	-	-	-
11,12	COAL MINING	-	40.4	39.6	37.5	35.3	-	-	-	-	-
12	Bituminous coal and lignite mining	-	40.7	39.7	37.8	35.4	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	42.6	43.0	44.6	44.1	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	40.3	40.2	41.9	40.9	-	-	-	-	-
138	Oil and gas field services	-	44.1	44.9	46.4	46.2	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	46.0	45.4	46.3	46.5	-	-	-	-	-
142	Crushed and broken stone	-	47.2	46.9	48.0	48.3	-	-	-	-	-
-	CONTRACT CONSTRUCTION	38.7	38.5	38.1	38.7	38.4	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	-	37.0	37.0	37.1	36.5	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	-	43.4	41.7	43.0	42.7	-	-	-	-	-
161	Highway and street construction	-	43.8	41.5	43.0	43.0	-	-	-	-	-
162	Heavy construction, n e c	-	43.0	41.9	43.1	42.4	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	36.9	37.0	37.7	37.5	-	-	-	-	-
171	Plumbing, heating, air conditioning	-	38.0	38.2	39.3	39.1	-	-	-	-	-
172	Painting, paper hanging, decorating	-	34.9	35.4	35.9	35.8	-	-	-	-	-
173	Electrical work	-	39.6	39.6	40.6	40.4	-	-	-	-	-
174	Masonry, stonework, and plastering	-	34.3	34.3	35.2	35.0	-	-	-	-	-
176	Roofing and sheet metal work	-	34.4	34.3	35.9	35.3	-	-	-	-	-
-	MANUFACTURING	39.7	40.0	39.8	40.4	40.9	2.9	3.1	2.9	3.5	3.7
19,24,25,32-39	DURABLE GOODS	40.1	40.7	40.3	40.9	41.5	2.8	3.2	2.9	3.6	3.9
20-23,26-31	NONDURABLE GOODS	39.2	39.2	39.0	39.8	39.9	2.9	3.0	2.9	3.4	3.4
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	40.0	40.7	40.8	39.8	40.8	-	2.1	2.2	2.2	2.6
192	Ammunition, except for small arms	(*)	40.0	40.0	38.9	40.0	-	1.6	1.6	1.6	2.2
1925	Complete guided missiles	-	42.1	41.9	41.5	42.2	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec	-	38.9	39.0	37.7	39.0	-	-	-	-	-
24	LUMBER AND WOOD PRODUCTS	39.3	39.9	40.1	39.7	40.6	-	3.4	3.5	3.6	4.1
242	Sawmills and planing mills	39.8	40.3	40.3	39.7	40.7	-	3.6	3.6	3.8	4.2
2421	Sawmills and planing mills, general	-	40.3	40.4	39.6	40.6	-	-	-	-	-
243	Millwork, plywood & related products	40.0	40.2	40.1	39.4	40.8	-	3.3	3.4	3.2	3.5
2431	Millwork	-	39.4	39.2	38.8	40.1	-	-	-	-	-
2432	Veneer and plywood	-	41.0	41.3	39.7	41.2	-	-	-	-	-
244	Wooden containers	37.8	38.6	38.6	40.1	40.9	-	2.7	2.8	4.0	4.4
2441,2	Wooden boxes, shooks, and crates	-	38.6	38.5	40.3	41.0	-	-	-	-	-
249	Miscellaneous wood products	(*)	40.6	40.6	40.7	41.1	-	3.3	3.4	3.7	4.3
25	FURNITURE AND FIXTURES	37.9	39.0	38.5	39.7	40.8	-	2.4	2.0	3.0	3.4
251	Household furniture	(*)	38.6	38.2	39.4	40.5	-	2.2	1.9	2.8	3.2
2511	Wood household furniture	-	39.2	38.8	40.2	41.3	-	-	-	-	-
2512	Upholstered household furniture	-	37.2	36.8	38.4	40.0	-	-	-	-	-
2515	Mattresses and bedsprings	-	38.9	38.0	38.5	39.4	-	-	-	-	-
252	Office furniture	-	39.9	39.5	41.9	42.7	-	3.1	2.7	4.5	4.9
254	Partitions and fixtures	-	40.3	39.5	40.9	41.9	-	2.8	2.2	3.5	4.4
253,9	Other furniture and fixtures	38.9	39.3	38.8	39.0	40.3	-	2.4	2.1	2.7	3.2
32	STONE, CLAY, AND GLASS PRODUCTS	41.6	41.6	41.5	41.8	42.3	-	4.4	4.4	4.9	5.0
321	Flat glass	-	43.9	43.1	42.4	43.2	-	4.1	4.5	4.5	3.9
322	Glass and glassware, pressed or blown	40.0	40.0	40.4	40.1	40.6	-	4.4	4.3	4.5	4.4
3221	Glass containers	-	40.6	41.1	40.1	40.8	-	-	-	-	-
3229	Pressed and blown glass, n e c	-	39.2	39.3	40.0	40.4	-	-	-	-	-
324	Cement, hydraulic	41.4	41.7	42.2	41.8	42.4	-	3.0	3.5	3.2	3.0
325	Structural clay products	39.7	40.3	40.4	40.8	41.1	-	3.5	3.7	4.1	4.1
3251	Brick and structural clay tile	-	41.2	40.8	41.8	41.8	-	-	-	-	-
326	Pottery and related products	-	38.6	38.1	39.1	39.5	-	1.7	1.7	2.6	2.6
327	Concrete, gypsum and plaster products	43.8	43.7	43.3	44.8	45.0	-	6.5	6.2	7.2	7.2
328,9	Other stone and nonmetallic mineral products	(*)	40.9	40.9	41.2	41.8	-	3.5	3.5	3.8	4.3
3291	Abrasives products	-	38.6	38.4	39.4	39.6	-	-	-	-	-

See footnotes at end of table.

**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				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	\$157.17	\$159.54	\$157.56	\$157.66	\$158.34	\$3.90	\$3.92	\$3.90	\$3.79	\$3.77
331	Blast furnace and basic steel products ..	(*)	165.63	163.99	167.23	165.57	(*)	4.11	4.11	4.02	3.98
3312	Blast furnaces and steel mills	-	167.23	165.97	169.74	167.26	-	4.16	4.17	4.09	4.04
332	Iron and steel foundries	(*)	154.91	151.78	145.44	148.61	(*)	3.76	3.72	3.53	3.53
3321	Gray iron foundries	-	154.57	149.85	144.38	149.10	-	3.77	3.70	3.53	3.55
3322	Malleable iron foundries	-	166.03	165.13	147.65	148.47	-	4.13	4.17	3.61	3.63
3323	Steel foundries	-	152.04	151.26	146.58	148.17	-	3.62	3.61	3.49	3.47
333,4	Nonferrous metals	(*)	158.08	155.91	155.06	153.85	(*)	3.80	3.73	3.64	3.62
3334	Primary aluminum	-	168.08	165.64	167.25	167.66	-	4.15	4.04	4.03	4.04
335	Nonferrous rolling and drawing	152.52	151.98	150.38	149.32	154.94	3.72	3.68	3.65	3.53	3.57
3351	Copper rolling and drawing	-	155.12	149.08	153.08	161.64	-	3.72	3.69	3.56	3.60
3352	Aluminum rolling and drawing	-	153.30	151.62	152.88	157.93	-	3.73	3.68	3.64	3.69
3357	Nonferrous wire drawing and insulating ..	-	149.87	150.12	144.90	149.99	-	3.62	3.60	3.45	3.48
336	Nonferrous foundries	140.24	141.00	139.60	134.46	138.20	3.48	3.49	3.39	3.32	3.33
3361	Aluminum castings	-	140.70	140.85	136.68	141.17	-	3.50	3.53	3.40	3.41
3362,9	Other nonferrous castings	-	140.88	138.29	132.19	134.78	-	3.47	3.44	3.24	3.24
339	Miscellaneous primary metal products ...	(*)	168.89	167.68	167.18	168.33	(*)	4.17	4.12	3.99	3.97
3391	Iron and steel forgings	-	174.87	173.32	171.81	175.55	-	4.35	4.29	4.14	4.15
34	FABRICATED METAL PRODUCTS	143.72	145.49	143.26	137.20	139.86	3.54	3.54	3.52	3.33	3.33
341	Metal cans	186.86	177.76	175.67	174.27	167.04	4.08	4.04	4.02	3.89	3.84
342	Cutlery, hand tools, and hardware	(*)	133.13	132.53	127.66	130.15	(*)	3.32	3.33	3.16	3.19
3421,3,5	Cutlery and hand tools, incl. saws	-	128.95	129.10	125.15	127.00	-	3.24	3.26	3.09	3.09
3429	Hardware, n e c	-	136.21	135.20	130.09	132.36	-	3.38	3.38	3.22	3.26
343	Plumbing and heating, except electric ...	128.18	128.84	126.68	124.40	129.27	3.27	3.27	3.24	3.11	3.13
3431,2	Sanitary ware & plumbers' brass goods ..	-	130.54	127.98	122.77	131.56	-	3.33	3.29	3.14	3.17
3433	Heating equipment, except electric	-	127.51	125.05	125.36	127.31	-	3.22	3.19	3.08	3.09
344	Fabricated structural metal products	140.45	141.00	141.75	135.55	136.27	3.52	3.49	3.50	3.29	3.26
3441	Fabricated structural steel	-	143.38	143.03	136.21	135.53	-	3.48	3.48	3.29	3.25
3442	Metal doors, sash, and trim	-	117.39	118.29	111.67	115.90	-	3.01	3.01	2.82	2.82
3443	Fabricated plate work (boiler shops) ..	-	149.69	151.25	146.16	145.67	-	3.66	3.68	3.48	3.46
3444	Sheet metal work	-	148.45	148.37	143.09	145.46	-	3.73	3.70	3.49	3.48
3446,9	Architectural and misc. metal work	-	137.57	135.07	131.15	131.75	-	3.38	3.36	3.13	3.10
345	Screw machine products, bolts, etc.	140.88	141.23	138.75	142.04	146.50	3.47	3.47	3.46	3.35	3.36
3451	Screw machine products	-	136.89	136.80	136.59	140.61	-	3.38	3.42	3.26	3.27
3452	Bolts, nuts, rivets, and washers	-	145.20	140.70	147.58	152.05	-	3.55	3.50	3.44	3.44
346	Metal stampings	167.38	171.78	164.55	150.02	158.36	3.92	3.94	3.89	3.65	3.70
347	Metal services, n e c	126.08	126.08	123.48	120.47	121.95	3.16	3.16	3.15	2.96	2.96
348	Misc. fabricated wire products	126.56	126.80	126.17	120.70	123.52	3.18	3.17	3.17	3.01	3.02
349	Misc. fabricated metal products	135.88	138.57	138.98	131.70	135.34	3.44	3.43	3.44	3.22	3.23
3494,8	Valves, pipe, and pipe fittings	-	140.40	142.56	133.99	137.99	-	3.51	3.52	3.26	3.27
35	MACHINERY, EXCEPT ELECTRICAL	153.03	154.91	154.95	148.81	152.08	3.76	3.76	3.77	3.56	3.57
351	Engines and turbines	(*)	168.09	172.22	154.75	159.03	(*)	4.13	4.16	3.84	3.86
3511	Steam engines and turbines	-	179.68	182.25	157.18	159.12	-	4.34	4.36	3.91	3.90
3519	Internal combustion engines, n e c	-	162.01	167.27	153.54	158.98	-	4.02	4.06	3.81	3.84
352	Farm machinery	-	145.78	142.37	135.37	139.55	-	3.70	3.66	3.48	3.48
353	Construction and related machinery	150.32	153.71	151.81	149.60	151.01	3.73	3.74	3.73	3.52	3.52
3531,2	Construction and mining machinery	-	159.03	159.03	152.34	154.57	-	3.86	3.86	3.61	3.62
3533	Oil field machinery	-	147.14	146.78	140.48	140.71	-	3.52	3.52	3.29	3.28
3535,6	Conveyors, hoists, cranes, monorails ..	-	150.14	144.57	154.26	154.00	-	3.68	3.66	3.53	3.50
3537	Industrial trucks and tractors	-	134.16	129.62	140.95	145.58	-	3.44	3.42	3.34	3.37
354	Metal working machinery	(*)	175.53	178.05	167.96	172.33	(*)	4.13	4.16	3.87	3.89
3541	Machine tools, metal cutting types	-	165.21	167.63	161.83	167.64	-	4.01	4.02	3.79	3.81
3544	Special dies, tools, jigs & fixtures ..	-	199.81	206.57	185.09	193.58	-	4.48	4.54	4.15	4.19
3545	Machine tool accessories	-	158.53	154.71	153.19	151.01	-	3.82	3.82	3.63	3.57
3542,8	Misc. metal working machinery	-	152.63	150.75	154.08	153.65	-	3.75	3.75	3.60	3.59
355	Special industry machinery	144.59	145.79	145.08	140.37	143.62	3.57	3.53	3.53	3.35	3.34
3551	Food products machinery	-	153.35	152.26	145.31	149.18	-	3.66	3.66	3.51	3.51
3552	Textile machinery	-	125.77	124.34	119.13	120.84	-	3.06	3.07	2.85	2.83
3555	Printing trades machinery	-	151.90	152.18	149.29	155.59	-	3.76	3.73	3.58	3.61
356	General industrial machinery	151.47	150.32	149.57	146.97	150.17	3.74	3.73	3.73	3.55	3.55
3561	Pumps and compressors	-	151.48	151.16	139.26	144.90	-	3.65	3.66	3.43	3.45
3562	Ball and roller bearings	-	147.84	145.16	150.33	154.45	-	3.83	3.80	3.64	3.66
3564	Blowers and fans	-	140.19	138.58	140.77	137.34	-	3.37	3.38	3.32	3.27
3566	Power transmission equipment	-	151.07	152.59	149.25	152.85	-	3.73	3.74	3.52	3.53
357	Office and computing machines	148.27	150.96	150.47	148.01	151.68	3.67	3.70	3.67	3.61	3.62
3573	Electronic computing equipment	-	154.38	152.67	146.88	151.62	-	3.72	3.67	3.60	3.61
358	Service industry machines	132.60	136.35	134.74	131.61	133.63	3.34	3.35	3.36	3.21	3.22
3585	Refrigeration machinery	-	138.65	135.94	133.90	136.69	-	3.39	3.39	3.25	3.27
359	Misc. machinery, except electrical	151.11	152.99	152.57	144.58	147.49	3.65	3.66	3.65	3.41	3.43

See footnotes at end of table.

**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				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	40.3	40.7	40.4	41.6	42.0	-	3.2	3.0	3.9	4.2
331	Blast furnace and basic steel products	(*)	40.3	39.9	41.6	41.6	-	2.4	2.2	3.3	3.3
3312	Blast furnaces and steel mills	-	40.2	39.8	41.5	41.4	-	-	-	-	-
332	Iron and steel foundries	(*)	41.2	40.8	41.2	42.1	-	4.3	4.2	4.3	4.7
3321	Gray iron foundries	-	41.0	40.5	40.9	42.0	-	-	-	-	-
3322	Malleable iron foundries	-	40.2	39.6	40.9	40.9	-	-	-	-	-
3323	Steel foundries	-	42.0	41.9	42.0	42.7	-	-	-	-	-
333,4	Nonferrous metals	(*)	41.6	41.8	42.6	42.5	-	4.5	4.4	4.9	4.7
3334	Primary aluminum	-	40.5	41.0	41.5	41.5	-	-	-	-	-
335	Nonferrous rolling and drawing	41.0	41.3	41.2	42.3	43.4	-	3.6	3.6	4.7	5.8
3351	Copper rolling and drawing	-	41.7	40.4	43.0	44.9	-	-	-	-	-
3352	Aluminum rolling and drawing	-	41.1	41.2	42.0	42.8	-	-	-	-	-
3357	Nonferrous wire drawing and insulating	-	41.4	41.7	42.0	43.1	-	-	-	-	-
336	Nonferrous foundries	40.3	40.4	40.0	40.5	41.5	-	3.0	2.8	3.6	4.3
3361	Aluminum castings	-	40.2	39.9	40.2	41.4	-	-	-	-	-
3362,9	Other nonferrous castings	-	40.6	40.2	40.8	41.6	-	-	-	-	-
339	Miscellaneous primary metal products	(*)	40.5	40.7	41.9	42.4	-	3.5	3.3	5.1	5.4
3391	Iron and steel forgings	-	40.2	40.4	41.5	42.3	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	40.6	41.1	40.7	41.2	42.0	-	3.5	3.3	4.0	4.4
341	Metal cans	45.8	44.0	43.7	44.8	43.5	-	5.3	4.9	5.6	4.7
342	Cutlery, hand tools, and hardware	(*)	40.1	39.8	40.4	40.8	-	2.3	2.3	2.7	3.2
3421,3,5	Cutlery and hand tools, incl. saws	-	39.8	39.6	40.5	41.1	-	-	-	-	-
3429	Hardware, n e c	-	40.3	40.0	40.4	40.6	-	-	-	-	-
343	Plumbing and heating, except electric	39.2	39.4	39.1	40.0	41.3	-	2.3	2.1	2.9	3.5
3431,2	Sanitary ware & plumbers' brass goods	-	39.2	38.9	39.1	41.5	-	-	-	-	-
3433	Heating equipment, except electric	-	39.6	39.2	40.7	41.2	-	-	-	-	-
344	Fabricated structural metal products	39.9	40.4	40.5	41.2	41.8	-	3.1	3.1	3.9	4.1
3441	Fabricated structural steel	-	41.2	41.1	41.4	41.7	-	-	-	-	-
3442	Metal doors, sash, and trim	-	39.0	39.3	39.6	41.1	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	40.9	41.1	42.0	42.1	-	-	-	-	-
3444	Sheet metal work	-	39.8	40.1	41.0	41.8	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	40.7	40.2	41.9	42.5	-	-	-	-	-
345	Screw machine products, bolts, etc.	40.6	40.7	40.1	42.4	43.6	-	3.4	2.8	4.6	5.9
3451	Screw machine products	-	40.5	40.0	41.9	43.0	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	40.9	40.2	42.9	44.2	-	-	-	-	-
346	Metal stampings	42.7	43.6	42.3	41.1	42.8	-	5.4	4.5	4.9	5.3
347	Metal services, n e c	39.9	39.9	39.2	40.7	41.2	-	4.4	3.9	4.1	4.3
348	Misc. fabricated wire products	39.8	40.0	39.8	40.1	40.9	-	2.3	2.7	3.3	3.5
349	Misc. fabricated metal products	39.5	40.4	40.4	40.9	41.9	-	2.8	2.8	3.7	4.3
3494,8	Valves, pipe, and pipe fittings	-	40.0	40.5	41.1	42.2	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	40.7	41.2	41.1	41.8	42.6	-	3.2	3.3	4.1	4.6
351	Engines and turbines	(*)	40.7	41.4	40.3	41.2	-	3.2	3.8	3.9	4.5
3511	Steam engines and turbines	-	41.4	41.8	40.2	40.8	-	-	-	-	-
3519	Internal combustion engines, n e c	-	40.3	41.2	40.3	41.4	-	-	-	-	-
352	Farm machinery	-	39.4	38.9	38.9	40.1	-	2.2	1.8	1.9	2.3
353	Construction and related machinery	40.3	41.1	40.7	42.5	42.9	-	3.1	2.9	4.3	4.8
3531,2	Construction and mining machinery	-	41.2	41.2	42.2	42.7	-	-	-	-	-
3533	Oil field machinery	-	41.8	41.7	42.7	42.9	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	40.8	39.5	43.7	44.0	-	-	-	-	-
3537	Industrial trucks and tractors	-	39.0	37.9	42.2	43.2	-	-	-	-	-
354	Metal working machinery	(*)	42.5	42.8	43.4	44.3	-	4.6	4.8	5.5	6.0
3541	Machine tools, metal cutting types	-	41.2	41.7	42.7	44.0	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	44.6	45.5	44.6	46.2	-	-	-	-	-
3545	Machine tool accessories	-	41.5	40.5	42.2	42.3	-	-	-	-	-
3542,8	Misc. metal working machinery	-	40.7	40.2	42.8	42.8	-	-	-	-	-
355	Special industry machinery	40.5	41.3	41.1	41.9	43.0	-	3.2	3.1	4.2	4.9
3551	Food products machinery	-	41.9	41.6	41.4	42.5	-	-	-	-	-
3552	Textile machinery	-	41.1	40.5	41.8	42.7	-	-	-	-	-
3555	Printing trades machinery	-	40.4	40.8	41.7	43.1	-	-	-	-	-
356	General industrial machinery	40.5	40.3	40.1	41.4	42.3	-	2.9	2.7	3.9	4.2
3561	Pumps and compressors	-	41.5	41.3	40.6	42.0	-	-	-	-	-
3562	Ball and roller bearings	-	38.6	38.2	41.3	42.2	-	-	-	-	-
3564	Blowers and fans	-	41.6	41.0	42.4	42.0	-	-	-	-	-
3566	Power transmission equipment	-	40.5	40.8	42.4	43.3	-	-	-	-	-
357	Office and computing machines	40.4	40.8	41.0	41.0	41.9	-	2.0	2.5	3.0	3.4
3573	Electronic computing equipment	-	41.5	41.6	40.8	42.0	-	-	-	-	-
358	Service industry machines	39.7	40.7	40.1	41.0	41.5	-	3.0	2.2	3.4	3.6
3585	Refrigeration machinery	-	40.9	40.1	41.2	41.8	-	-	-	-	-
359	Misc. machinery, except electrical	41.4	41.8	41.8	42.4	43.0	-	4.1	4.0	4.6	5.3

See footnotes at end of table.

**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				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES...	\$130.20	\$131.34	\$129.49	\$122.98	\$125.36	\$3.33	\$3.30	\$3.27	\$3.09	\$3.08
361	Electric test & distributing equipment ...	(*)	140.42	137.08	132.34	133.76	(*)	3.45	3.41	3.22	3.20
3611	Electric measuring instruments	-	121.83	120.04	117.41	117.97	-	3.10	3.07	2.95	2.92
3612	Transformers	-	142.21	141.73	135.11	135.98	-	3.46	3.44	3.24	3.23
3613	Switchgear and switchboard apparatus ..	-	152.35	146.29	141.86	144.33	-	3.68	3.63	3.41	3.38
362	Electrical industrial apparatus	138.45	136.55	135.60	132.02	134.69	3.41	3.38	3.39	3.22	3.23
3621	Motors and generators	-	140.70	141.35	134.88	136.27	-	3.44	3.49	3.25	3.26
3622	Industrial controls	-	128.84	123.38	127.26	131.11	-	3.27	3.18	3.15	3.19
363	Household appliances	(*)	140.24	135.19	130.07	132.03	(*)	3.48	3.44	3.26	3.26
3632	Household refrigerators and freezers ...	-	153.41	149.45	145.96	144.23	-	3.76	3.69	3.56	3.57
3633	Household laundry equipment	-	153.68	141.71	136.97	141.58	-	3.73	3.70	3.45	3.47
3634	Electric housewares and fans	-	112.90	109.44	105.38	107.60	-	2.88	2.85	2.73	2.69
364	Electric lighting and wiring equipment ...	124.57	123.69	121.57	113.39	117.09	3.13	3.10	3.07	2.90	2.92
3641	Electric lamps	-	127.12	126.36	111.27	114.84	-	3.17	3.12	2.89	2.90
3642	Lighting fixtures	-	125.93	123.31	112.90	118.31	-	3.18	3.17	2.94	2.98
3643,4	Wiring devices	-	119.60	117.71	114.91	117.22	-	2.99	2.98	2.88	2.88
365	Radio and TV receiving equipment	(*)	112.00	110.67	103.41	105.30	(*)	3.06	2.92	2.70	2.70
366	Communication equipment	(*)	145.40	146.06	138.40	142.00	(*)	3.59	3.58	3.46	3.43
3661	Telephone and telegraph apparatus	-	142.86	144.20	138.50	146.58	-	3.51	3.50	3.48	3.49
3662	Radio and TV communication equipment ..	-	146.73	147.06	137.94	139.33	-	3.65	3.64	3.44	3.39
367	Electronic components and accessories ...	(*)	111.25	109.80	104.13	106.27	(*)	2.86	2.83	2.67	2.67
3671-3	Electron tubes	-	124.97	120.51	112.71	117.49	-	3.18	3.09	2.89	2.93
3674,9	Other electronic components	-	108.25	107.48	101.92	103.62	-	2.79	2.77	2.62	2.61
369	Misc. electrical equipment & supplies ...	(*)	143.37	138.25	134.27	137.61	(*)	3.54	3.50	3.34	3.34
3694	Engine electrical equipment	-	150.66	144.65	140.00	142.68	-	3.72	3.69	3.50	3.48
37	TRANSPORTATION EQUIPMENT	164.84	170.98	164.02	162.24	160.58	4.07	4.11	4.06	3.90	3.86
371	Motor vehicles and equipment	(*)	184.04	171.72	175.55	170.94	(*)	4.29	4.24	4.16	4.07
3711	Motor vehicles	-	189.63	175.71	185.31	172.64	-	4.41	4.36	4.35	4.15
3712	Passenger car bodies	-	191.27	180.71	191.74	184.47	-	4.62	4.61	4.48	4.31
3713	Truck and bus bodies	-	139.09	140.30	137.89	136.42	-	3.46	3.49	3.43	3.36
3714	Motor vehicle parts and accessories ...	-	186.61	172.20	173.45	173.43	-	4.28	4.20	4.12	4.10
3715	Truck trailers	-	129.75	127.19	123.01	127.98	-	3.26	3.22	3.06	3.04
372	Aircraft and parts	(*)	166.87	166.06	159.33	158.95	(*)	4.09	4.07	3.83	3.83
3721	Aircraft	-	167.68	167.69	160.09	159.74	-	4.12	4.11	3.83	3.84
3722	Aircraft engines and engine parts	-	164.42	163.21	157.90	155.93	-	4.09	4.06	3.87	3.85
3723,9	Other aircraft parts and equipment	-	168.00	165.55	158.42	159.42	-	4.00	3.97	3.79	3.76
373	Ship and boat building and repairing	144.38	147.41	148.52	145.25	146.08	3.76	3.77	3.76	3.56	3.52
3731	Ship building and repairing	-	153.27	156.80	154.25	156.42	-	3.91	3.92	3.79	3.76
3732	Boat building and repairing	-	123.77	119.07	114.93	114.67	-	3.19	3.15	2.81	2.79
374	Railroad equipment	-	167.63	166.40	157.06	156.29	-	4.17	4.16	3.84	3.84
375,9	Other transportation equipment	-	121.35	118.65	115.92	118.37	-	3.08	3.05	2.92	2.93
38	INSTRUMENTS AND RELATED PRODUCTS ..	131.93	132.40	132.00	126.77	128.74	3.34	3.31	3.30	3.13	3.14
381	Engineering & scientific instruments ...	-	151.07	149.92	148.39	148.19	-	3.73	3.72	3.55	3.52
382	Mechanical measuring & control devices ..	131.01	130.02	131.01	124.00	127.48	3.30	3.30	3.30	3.10	3.14
3821	Mechanical measuring devices	-	132.87	134.53	127.17	130.38	-	3.33	3.33	3.14	3.18
3822	Automatic temperature controls	-	125.45	124.74	120.17	123.51	-	3.25	3.24	3.05	3.08
383,5	Optical and ophthalmic goods	(*)	122.92	121.60	116.72	120.58	(*)	3.05	3.04	2.94	2.97
385	Ophthalmic goods	-	113.72	111.90	105.84	109.20	-	2.85	2.84	2.70	2.73
384	Medical instruments and supplies	(*)	111.83	111.93	109.45	111.65	(*)	2.86	2.87	2.75	2.75
386	Photographic equipment and supplies ...	(*)	160.51	160.86	152.34	153.49	(*)	3.84	3.83	3.61	3.62
387	Watches, clocks, and watchcases	-	107.62	108.64	95.59	100.10	-	2.81	2.80	2.47	2.56
39	MISC. MANUFACTURING INDUSTRIES	106.96	109.13	108.47	101.64	103.88	2.80	2.82	2.81	2.64	2.65
391	Jewelry, silverware, and plated ware	(*)	117.73	118.73	108.11	113.47	(*)	3.05	3.06	2.86	2.88
394	Toys and sporting goods	-	98.42	98.69	89.73	91.06	-	2.59	2.57	2.38	2.39
3941-3	Games, toys, dolls & play vehicles	-	92.63	93.74	84.96	85.73	-	2.49	2.48	2.29	2.28
3949	Sporting and athletic goods, n e c	-	106.62	104.40	97.14	98.03	-	2.72	2.67	2.51	2.52
395	Pens, pencils, office and art supplies	-	111.74	109.16	104.01	104.54	-	2.88	2.85	2.66	2.62
396	Costume jewelry and notions	-	100.73	98.55	93.84	95.40	-	2.55	2.54	2.45	2.44
393,9	Other manufacturing industries	(*)	116.70	116.10	111.72	114.51	(*)	3.00	3.00	2.85	2.87
393	Musical instruments and parts	-	113.28	113.10	106.92	111.04	-	2.95	2.93	2.77	2.79
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	129.02	127.58	127.98	122.36	120.66	3.17	3.15	3.16	2.97	2.95
201	Meat products	138.77	136.27	136.61	130.82	127.00	3.36	3.34	3.34	3.16	3.09
2011	Meat packing plants	-	165.13	165.09	157.14	151.26	-	3.96	3.94	3.68	3.61
2013	Sausages and other prepared meats	-	146.57	146.11	147.35	141.32	-	3.61	3.59	3.50	3.43
2015	Poultry dressing plants	-	85.10	83.53	80.16	80.40	-	2.16	2.12	2.05	2.02

See footnotes at end of table.

**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				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	39.1	39.8	39.6	39.8	40.7	-	2.3	2.2	2.6	2.9
361	Electric test & distributing equipment	(*)	40.7	40.2	41.1	41.8	-	2.6	2.2	3.4	3.5
3611	Electric measuring instruments	-	39.3	39.1	39.8	40.4	-	-	-	-	-
3612	Transformers	-	41.1	41.2	41.7	42.1	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.4	40.3	41.6	42.7	-	-	-	-	-
362	Electrical industrial apparatus	40.6	40.4	40.0	41.0	41.7	-	3.0	2.6	3.6	4.0
3621	Motors and generators	-	40.9	40.5	41.5	41.8	-	-	-	-	-
3622	Industrial controls	-	39.4	38.8	40.4	41.1	-	-	-	-	-
363	Household appliances	(*)	40.3	39.3	39.9	40.5	-	2.9	2.2	2.5	2.8
3632	Household refrigerators and freezers	-	40.8	40.5	41.0	40.4	-	-	-	-	-
3633	Household laundry equipment	-	41.2	38.3	39.7	40.8	-	-	-	-	-
3634	Electric housewares and fans	-	39.2	38.4	38.6	40.0	-	-	-	-	-
364	Electric lighting and wiring equipment	39.8	39.9	39.6	39.1	40.1	-	2.3	2.3	2.1	2.6
3641	Electric lamps	-	40.1	40.5	38.5	39.6	-	-	-	-	-
3642	Lighting fixtures	-	39.6	38.9	38.4	39.7	-	-	-	-	-
3643,4	Wiring devices	-	40.0	39.5	39.9	40.7	-	-	-	-	-
365	Radio and TV receiving equipment	(*)	36.6	37.9	38.3	39.0	-	1.0	1.2	1.4	1.7
366	Communication equipment	(*)	40.5	40.8	40.0	41.4	-	2.5	2.9	2.8	3.4
3661	Telephone and telegraph apparatus	-	40.7	41.2	39.8	42.0	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.2	40.4	40.1	41.1	-	-	-	-	-
367	Electronic components and accessories	(*)	38.9	38.8	39.0	39.8	-	1.5	1.6	2.1	2.4
3671-3	Electron tubes	-	39.3	39.0	39.0	40.1	-	-	-	-	-
3674,9	Other electronic components	-	38.8	38.8	38.9	39.7	-	-	-	-	-
369	Misc. electrical equipment & supplies	(*)	40.5	39.5	40.2	41.2	-	2.4	2.1	2.5	3.0
3694	Engine electrical equipment	-	40.5	39.2	40.0	41.0	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	40.5	41.6	40.4	41.6	41.6	-	3.7	2.9	4.0	3.9
371	Motor vehicles and equipment	(*)	42.9	40.5	42.2	42.0	-	4.8	3.3	4.6	4.5
3711	Motor vehicles	-	43.0	40.3	42.6	41.6	-	-	-	-	-
3712	Passenger car bodies	-	41.4	39.2	42.8	42.8	-	-	-	-	-
3713	Truck and bus bodies	-	40.2	40.2	40.2	40.6	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	43.6	41.0	42.1	42.3	-	-	-	-	-
3715	Truck trailers	-	39.8	39.5	40.2	42.1	-	-	-	-	-
372	Aircraft and parts	(*)	40.8	40.8	41.6	41.5	-	2.5	2.4	3.5	3.0
3721	Aircraft	-	40.7	40.8	41.8	41.6	-	-	-	-	-
3722	Aircraft engines and engine parts	-	40.2	40.2	40.8	40.5	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	42.0	41.7	41.8	42.4	-	-	-	-	-
373	Ship and boat building and repairing	38.4	39.1	39.5	40.8	41.5	-	2.6	2.9	3.6	4.1
3731	Ship building and repairing	-	39.2	40.0	40.7	41.6	-	-	-	-	-
3732	Boat building and repairing	-	38.8	37.8	40.9	41.1	-	-	-	-	-
374	Railroad equipment	-	40.2	40.0	40.9	40.7	-	3.1	2.7	3.4	3.8
375,9	Other transportation equipment	-	39.4	38.9	39.7	40.4	-	2.6	2.3	2.9	3.4
38	INSTRUMENTS AND RELATED PRODUCTS	39.5	40.0	40.0	40.5	41.0	-	2.1	2.2	2.6	3.1
381	Engineering & scientific instruments	-	40.5	40.3	41.8	42.1	-	2.3	2.1	3.3	3.8
382	Mechanical measuring & control devices	39.7	39.4	39.7	40.0	40.6	-	2.3	2.4	2.8	3.2
3821	Mechanical measuring devices	-	39.9	40.4	40.5	41.0	-	-	-	-	-
3822	Automatic temperature controls	-	38.6	38.5	39.4	40.1	-	-	-	-	-
383,5	Optical and ophthalmic goods	(*)	40.3	40.0	39.7	40.6	-	2.5	2.4	2.2	2.9
385	Ophthalmic goods	-	39.9	39.4	39.2	40.0	-	2.1	1.9	1.8	2.7
384	Medical instruments and supplies	(*)	39.1	39.0	39.8	40.6	-	1.6	1.7	2.1	2.7
386	Photographic equipment and supplies	(*)	41.8	42.0	42.2	42.4	-	2.6	2.8	2.8	3.5
387	Watches, clocks, and watch cases	-	38.3	38.8	38.7	39.1	-	1.3	1.7	1.6	2.1
39	MISC. MANUFACTURING INDUSTRIES	38.2	38.7	38.6	38.5	39.2	-	2.1	2.0	2.1	2.7
391	Jewelry, silverware, and plated ware	(*)	38.6	38.8	37.8	39.4	-	1.8	2.4	1.7	2.8
394	Toys and sporting goods	-	38.0	38.4	37.7	38.1	-	2.0	1.8	1.9	2.1
3941-3	Games, toys, dolls, & play vehicles	-	37.2	37.8	37.1	37.6	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.2	39.1	38.7	38.9	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	38.8	38.3	39.1	39.9	-	1.5	1.3	1.9	2.6
396	Costume jewelry and notions	-	39.5	38.8	38.3	39.1	-	2.7	2.2	2.0	2.8
393,9	Other manufacturing industries	(*)	38.9	38.7	39.2	39.9	-	2.2	2.2	2.5	3.0
393	Musical instruments and parts	-	38.4	38.6	38.6	39.8	-	1.2	1.6	1.3	2.6
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	40.7	40.5	40.5	41.2	40.9	-	4.0	3.9	4.5	4.3
201	Meat products	41.3	40.8	40.9	41.4	41.1	-	4.4	4.3	4.9	4.5
2011	Meat packing plants	-	41.7	41.9	42.7	41.9	-	-	-	-	-
2013	Sausages and other prepared meats	-	40.6	40.7	42.1	41.2	-	-	-	-	-
2015	Poultry dressing plants	-	39.4	39.4	39.1	39.8	-	-	-	-	-

See footnotes at end of table.

**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				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	\$137.90	\$135.88	\$133.63	\$129.68	\$128.65	\$3.26	\$3.22	\$3.22	\$3.03	\$3.02
2024	Ice cream and frozen desserts	-	131.63	131.24	124.53	123.77	-	3.09	3.11	2.93	2.94
2026	Fluid milk	-	142.38	141.02	137.38	135.56	-	3.39	3.39	3.18	3.16
203	Canned, cured, and frozen foods	-	98.89	104.13	98.55	96.52	-	2.63	2.67	2.54	2.52
2031,6	Canned, cured, and frozen sea foods	-	77.69	87.96	79.33	80.38	-	2.34	2.45	2.26	2.29
2032,3	Canned food, except sea foods	-	107.16	112.40	106.11	102.94	-	2.82	2.86	2.62	2.66
2037	Frozen fruits and vegetables	-	93.65	99.39	90.27	93.38	-	2.42	2.43	2.42	2.37
204	Grain mill products	(*)	142.59	141.88	137.71	135.45	(*)	3.19	3.21	3.02	2.99
2041	Flour and other grain mill products	-	148.38	146.05	137.25	138.32	-	3.29	3.26	3.05	3.04
2042	Prepared feeds for animals and fowls	-	126.78	127.29	128.16	122.23	-	2.75	2.81	2.67	2.64
205	Bakery products	130.40	127.44	124.66	123.62	121.20	3.26	3.21	3.18	3.03	3.00
2051	Bread, cake, and related products	-	129.10	125.90	125.97	122.82	-	3.26	3.22	3.08	3.04
2052	Cookies and crackers	-	121.70	118.69	115.43	114.86	-	3.05	3.02	2.85	2.85
206	Sugar	-	138.24	136.35	131.22	127.36	-	3.38	3.35	3.24	3.20
207	Confectionery and related products	(*)	113.24	105.60	101.66	102.44	(*)	2.81	2.75	2.60	2.60
2071	Confectionery products	-	109.05	100.93	98.03	98.03	-	2.74	2.67	2.52	2.52
208	Beverages	146.83	148.10	146.65	142.46	137.69	3.59	3.63	3.63	3.40	3.35
2082	Malt liquors	-	198.19	195.16	196.11	192.17	-	4.73	4.68	4.55	4.49
2086	Bottled and canned soft drinks	-	112.61	111.35	112.46	108.16	-	2.76	2.77	2.64	2.60
209	Misc. foods and kindred products	124.74	125.46	125.46	121.47	121.35	3.08	3.06	3.06	2.92	2.91
21	TOBACCO MANUFACTURES	113.48	115.06	110.03	104.15	111.72	3.01	3.02	2.99	2.77	2.80
211	Cigarettes	-	135.10	128.43	124.36	134.88	-	3.50	3.49	3.23	3.25
212	Cigars	-	81.18	79.79	77.66	77.87	-	2.20	2.18	2.06	2.06
22	TEXTILE MILL PRODUCTS	97.20	98.09	96.47	95.65	95.63	2.43	2.44	2.43	2.35	2.31
221	Weaving mills, cotton	99.29	98.57	97.61	97.00	94.21	2.41	2.41	2.36	2.27	2.27
222	Weaving mills, synthetics	100.45	101.02	99.79	105.65	100.85	2.45	2.47	2.47	2.44	2.34
223	Weaving and finishing mills, wool	(*)	102.82	103.41	102.97	100.96	(*)	2.52	2.51	2.44	2.37
224	Narrow fabric mills	96.14	97.20	96.56	93.96	95.45	2.44	2.43	2.42	2.32	2.30
225	Knitting mills	90.15	91.25	89.21	85.73	87.98	2.36	2.37	2.36	2.25	2.25
2251	Women's hosiery, except socks	-	88.13	84.45	84.29	87.47	-	2.35	2.32	2.23	2.22
2252	Hosiery, n e c	-	79.82	78.32	76.47	76.91	-	2.14	2.14	2.05	2.04
2253	Knit outerwear mills	-	94.46	93.37	83.98	88.36	-	2.46	2.47	2.32	2.35
2254	Knit underwear mills	-	82.28	79.72	79.25	80.05	-	2.20	2.19	2.08	2.09
226	Textile finishing, except wool	(*)	106.66	104.19	105.00	105.11	(*)	2.57	2.56	2.53	2.45
227	Floor covering mills	-	107.26	102.87	100.43	102.58	-	2.56	2.54	2.42	2.38
228	Yarn and thread mills	87.53	90.12	90.12	88.73	87.76	2.25	2.27	2.27	2.18	2.13
229	Miscellaneous textile goods	(*)	110.57	108.54	108.26	112.32	(*)	2.71	2.70	2.59	2.60
23	APPAREL AND OTHER TEXTILE PRODUCTS	84.49	84.25	82.84	81.85	83.49	2.38	2.38	2.36	2.28	2.30
231	Men's and boys' suits and coats	(*)	104.35	101.89	101.48	106.97	(*)	2.99	2.87	2.75	2.83
232	Men's and boys' furnishings	75.76	76.96	75.56	72.69	73.26	2.07	2.08	2.07	1.97	1.98
2321	Men's and boys' shirts and nightwear	-	75.31	74.87	71.02	70.83	-	2.03	2.04	1.93	1.93
2327	Men's and boys' separate trousers	-	77.58	75.40	74.05	73.85	-	2.08	2.06	1.98	1.98
2328	Men's and boys' work clothing	-	74.50	73.77	71.39	72.56	-	2.03	2.01	1.94	1.94
233	Women's and misses' outerwear	(*)	83.74	82.33	84.47	84.53	(*)	2.53	2.51	2.47	2.45
2331	Women's and misses' blouses and waists	-	78.20	76.16	75.60	76.11	-	2.26	2.26	2.16	2.15
2335	Women's and misses' dresses	-	83.00	83.32	84.92	85.09	-	2.61	2.62	2.55	2.54
2337	Women's and misses' suits and coats	-	94.58	91.49	96.74	95.22	-	2.91	2.85	2.78	2.76
2339	Women's and misses' outerwear, n e c	-	77.39	77.44	75.40	77.47	-	2.18	2.20	2.13	2.14
234	Women's and children's undergarments	(*)	77.04	76.17	75.45	76.08	(*)	2.17	2.17	2.09	2.09
2341	Women's and children's underwear	-	75.54	74.62	75.07	74.13	-	2.11	2.12	2.04	2.02
2342	Corsets and allied garments	-	80.74	80.74	77.73	79.52	-	2.32	2.32	2.24	2.24
235	Hats, caps, and millinery	-	80.22	79.06	79.86	79.70	-	2.21	2.19	2.20	2.16
236	Children's outerwear	79.61	80.14	79.39	76.32	77.04	2.23	2.22	2.23	2.12	2.14
2361	Children's dresses and blouses	-	79.64	79.92	74.40	76.59	-	2.20	2.22	2.09	2.11
237,8	Fur goods and miscellaneous apparel	-	87.93	86.94	88.45	87.97	-	2.47	2.47	2.45	2.41
239	Misc. fabricated textile products	(*)	93.38	91.51	86.81	91.68	(*)	2.49	2.48	2.34	2.40
2391,2	Housefurnishings	-	79.27	78.26	76.80	77.52	-	2.16	2.15	2.07	2.04
26	PAPER AND ALLIED PRODUCTS	144.28	142.96	142.12	140.61	139.21	3.46	3.42	3.40	3.27	3.23
261,2,6	Paper and pulp mills	(*)	164.31	164.93	163.44	158.87	(*)	3.76	3.74	3.64	3.57
263	Paperboard mills	(*)	167.52	167.08	166.52	162.53	(*)	3.79	3.78	3.62	3.58
264	Misc. converted paper products	126.05	124.71	123.82	119.02	121.18	3.12	3.11	3.08	2.91	2.92
2643	Bags, except textile bags	-	119.60	117.60	113.68	114.80	-	2.99	2.94	2.80	2.80
265	Paperboard containers and boxes	(*)	128.39	126.32	125.82	125.88	(*)	3.17	3.15	3.01	2.99
2651,2	Folding and setup paperboard boxes	-	120.90	116.92	111.76	114.12	-	3.00	2.96	2.78	2.77
2653	Corrugated and solid fiber boxes	-	134.64	133.98	136.42	133.65	-	3.30	3.30	3.18	3.13
2654	Sanitary food containers	-	128.96	124.53	125.80	124.95	-	3.13	3.09	2.96	2.94

See footnotes at end of table.

**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				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	42.3	42.2	41.5	42.8	42.6	-	4.6	4.3	4.6	4.5
2024	Ice cream and frozen desserts	-	42.6	42.2	42.5	42.1	-	-	-	-	-
2026	Fluid milk	-	42.0	41.6	43.2	42.9	-	-	-	-	-
203	Canned, cured, and frozen foods	-	37.6	39.0	38.8	38.3	-	2.8	3.2	3.6	3.2
2031,6	Canned, cured and frozen sea foods	-	33.2	35.9	35.1	35.1	-	-	-	-	-
2032,3	Canned food, except sea foods	-	38.0	39.3	40.5	38.7	-	-	-	-	-
2037	Frozen fruits and vegetables	-	38.7	40.9	37.3	39.4	-	-	-	-	-
204	Grain mill products	(*)	44.7	44.2	45.6	45.3	-	6.4	6.1	7.4	7.1
2041	Flour and other grain mill product	-	45.1	44.8	45.0	45.5	-	-	-	-	-
2042	Prepared feeds for animals and fowls	-	46.1	45.3	48.0	46.3	-	-	-	-	-
205	Bakery products	40.0	39.7	39.2	40.8	40.4	-	3.5	3.3	4.2	4.0
2051	Bread, cake, and related products	-	39.6	39.1	40.9	40.4	-	-	-	-	-
2052	Cookies and crackers	-	39.9	39.3	40.5	40.3	-	-	-	-	-
206	Sugar	-	40.9	40.7	40.5	39.8	-	3.8	3.7	4.1	3.0
207	Confectionery and related products	(*)	40.3	38.4	39.1	39.4	-	3.0	2.2	2.2	2.6
2071	Confectionery products	-	39.8	37.8	38.9	38.9	-	-	-	-	-
208	Beverages	40.9	40.8	40.4	41.9	41.1	-	3.7	3.7	5.0	4.4
2082	Malt liquors	-	41.9	41.7	43.1	42.8	-	-	-	-	-
2086	Bottled and canned soft drinks	-	40.8	40.2	42.6	41.6	-	-	-	-	-
209	Misc. foods and kindred products	40.5	41.0	41.0	41.6	41.7	-	4.1	4.3	4.7	4.6
21	TOBACCO MANUFACTURES	37.7	38.1	36.8	37.6	39.9	-	1.4	1.1	1.7	2.5
211	Cigarettes	-	38.6	36.8	38.5	41.5	-	1.5	1.0	2.2	3.4
212	Cigars	-	36.9	36.6	37.7	37.8	-	1.2	1.2	1.0	1.3
22	TEXTILE MILL PRODUCTS	40.0	40.2	39.7	40.7	41.4	-	3.4	3.2	3.8	4.1
221	Weaving mills, cotton	41.2	40.9	40.5	41.1	41.5	-	3.9	3.8	3.9	4.2
222	Weaving mills, synthetics	41.0	40.9	40.4	43.3	43.1	-	3.4	3.2	4.9	5.1
223	Weaving and finishing mills, wool	(*)	40.8	41.2	42.2	42.6	-	3.4	3.7	4.4	4.8
224	Narrow fabric mills	39.4	40.0	39.9	40.5	41.5	-	2.5	2.3	3.1	3.6
225	Knitting mills	38.2	38.5	37.8	38.1	39.1	-	2.8	2.4	2.7	2.9
2251	Women's hosiery, except socks	-	37.5	36.4	37.8	39.4	-	-	-	-	-
2252	Hosiery, n.e.c.	-	37.3	36.6	37.3	37.7	-	-	-	-	-
2253	Knit outerwear mills	-	38.4	37.8	36.2	37.6	-	-	-	-	-
2254	Knit underwear mills	-	37.4	36.4	38.1	38.3	-	-	-	-	-
226	Textile finishing, except wool	(*)	41.5	40.7	41.5	42.9	-	4.0	3.7	4.6	5.2
227	Floor covering mills	-	41.9	40.5	41.5	43.1	-	3.7	2.9	4.5	5.0
228	Yarn and thread mills	38.9	39.7	39.7	40.7	41.2	-	3.3	3.5	3.7	4.0
229	Miscellaneous textile goods	(*)	40.8	40.2	41.8	43.2	-	3.6	3.6	4.1	5.2
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.5	35.4	35.1	35.9	36.3	-	1.2	1.1	1.2	1.4
231	Men's and boys' suits and coats	(*)	34.9	35.5	36.9	37.8	-	.8	.8	.8	1.4
232	Men's and boys' furnishings	36.6	37.0	36.5	36.9	37.0	-	1.3	1.1	1.1	1.2
2321	Men's and boys' shirts and nightwear	-	37.1	36.7	36.8	36.7	-	-	-	-	-
2327	Men's and boys' separate trousers	-	37.3	36.6	37.4	37.3	-	-	-	-	-
2328	Men's and boys' work clothing	-	36.7	36.7	36.8	37.4	-	-	-	-	-
233	Women's and misses' outerwear	(*)	33.1	32.8	34.2	34.5	-	1.1	1.0	1.1	1.4
2331	Women's and misses' blouses and waists	-	34.6	33.7	35.0	35.4	-	-	-	-	-
2335	Women's and misses' dresses	-	31.8	31.8	33.3	33.5	-	-	-	-	-
2337	Women's and misses' suits and coats	-	32.5	32.1	34.8	34.5	-	-	-	-	-
2339	Women's and misses' outerwear, n.e.c.	-	35.5	35.2	35.4	36.2	-	-	-	-	-
234	Women's and children's undergarments	(*)	35.5	35.1	36.1	36.4	-	1.1	.8	1.3	1.2
2341	Women's and children's underwear	-	35.8	35.2	36.8	36.7	-	-	-	-	-
2342	Corsets and allied garments	-	34.8	34.8	34.7	35.5	-	-	-	-	-
235	Hats, caps, and millinery	-	36.3	36.1	36.3	36.9	-	1.0	1.0	1.5	1.6
236	Children's outerwear	35.7	36.1	35.6	36.0	36.0	-	1.3	1.1	1.1	1.3
2361	Children's dresses and blouses	-	36.2	36.0	35.6	36.3	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel	-	35.6	35.2	36.1	36.5	-	.9	.8	.9	1.1
239	Misc. fabricated textile products	(*)	37.5	36.9	37.1	38.2	-	1.6	1.4	1.8	2.0
2391,2	Housefurnishings	-	36.7	36.4	37.1	38.0	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS	41.7	41.8	41.8	43.0	43.1	-	4.6	4.6	5.5	5.5
261,2,6	Paper and pulp mills	(*)	43.7	44.1	44.9	44.5	-	6.0	6.2	6.9	6.6
263	Paperboard mills	(*)	44.2	44.2	46.0	45.4	-	7.1	7.2	8.2	7.8
264	Misc. converted paper products	40.4	40.1	40.2	40.9	41.5	-	3.0	2.9	3.8	4.0
2643	Bags, except textile bags	-	40.0	40.0	40.6	41.0	-	-	-	-	-
265	Paperboard containers and boxes	(*)	40.5	40.1	41.8	42.1	-	3.6	3.4	4.7	4.8
2651,2	Folding and setup paperboard boxes	-	40.3	39.5	40.2	41.2	-	-	-	-	-
2653	Corrugated and solid fiber boxes	-	40.8	40.6	42.9	42.7	-	-	-	-	-
2654	Sanitary food containers	-	41.2	40.3	42.5	42.5	-	-	-	-	-

See footnotes at end of table.

**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				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	\$147.03	\$147.03	\$145.89	\$141.31	\$141.31	\$3.90	\$3.90	\$3.88	\$3.68	\$3.68
271	Newspapers	149.32	150.59	149.10	144.68	146.29	4.23	4.23	4.20	4.03	4.03
272	Periodicals	-	166.82	168.49	163.49	157.55	-	4.16	4.15	3.93	3.89
273	Books	-	136.11	134.85	132.36	130.25	-	3.49	3.44	3.26	3.24
275	Commercial printing	152.87	152.47	150.90	145.82	144.30	3.94	3.95	3.94	3.72	3.70
2751	Commercial printing, ex. lithographic	-	147.46	145.16	140.79	140.07	-	3.83	3.83	3.61	3.61
2752	Commercial printing, lithographic	-	159.06	159.88	153.24	150.50	-	4.11	4.11	3.86	3.81
278	Blankbooks and bookbinding	(*)	111.59	111.97	107.16	109.06	(*)	2.96	2.97	2.82	2.84
274,6,7,9	Other publishing & printing ind.	144.00	144.02	141.75	140.04	141.18	3.84	3.81	3.77	3.60	3.62
28	CHEMICALS AND ALLIED PRODUCTS	154.05	152.35	151.42	145.53	144.63	3.73	3.68	3.64	3.49	3.46
281	Industrial chemicals	172.58	170.10	169.64	163.63	162.73	4.08	4.05	4.02	3.85	3.82
2812	Alkalies and chlorine	-	174.66	172.89	169.26	169.17	-	4.10	4.03	3.90	3.88
2818	Industrial organic chemicals, n e c.	-	181.05	181.05	175.82	172.94	-	4.27	4.26	4.07	4.05
2819	Industrial inorganic chemicals, n e c.	-	160.24	160.58	153.14	153.04	-	3.88	3.86	3.69	3.67
282	Plastics materials and synthetics	151.20	150.65	150.48	146.20	145.78	3.67	3.63	3.60	3.44	3.43
2821	Plastics materials and resins	-	163.28	162.35	155.43	156.17	-	3.86	3.82	3.64	3.59
2823,4	Synthetic fibers	-	137.50	137.69	136.63	133.95	-	3.37	3.35	3.23	3.22
283	Drugs	142.48	143.37	141.40	132.76	134.07	3.58	3.54	3.50	3.27	3.27
2834	Pharmaceutical preparations	-	137.54	134.19	129.12	129.68	-	3.43	3.38	3.22	3.21
284	Soap, cleaners, and toilet goods	151.98	151.11	148.37	139.73	138.38	3.68	3.65	3.61	3.45	3.40
2841	Soap and other detergents	-	191.68	189.45	184.46	176.82	-	4.51	4.50	4.33	4.22
2844	Toilet preparations	-	120.58	119.36	106.96	110.83	-	2.97	2.94	2.80	2.82
285	Paints and allied products	142.16	143.66	141.29	134.31	135.46	3.51	3.47	3.48	3.26	3.28
287	Agricultural chemicals	(*)	124.14	128.14	122.18	120.69	(*)	3.05	2.98	2.93	2.86
2871,2	Fertilizers, complete & mixing only	-	118.49	123.82	115.37	112.59	-	2.89	2.84	2.78	2.70
286,9	Other chemical products	(*)	142.07	141.73	135.86	136.12	(*)	3.44	3.44	3.33	3.32
2892	Explosives	-	145.12	143.92	136.97	138.05	-	3.61	3.58	3.45	3.46
29	PETROLEUM AND COAL PRODUCTS	186.18	180.62	181.90	175.71	169.58	4.28	4.22	4.25	4.03	3.99
291	Petroleum refining	193.93	187.79	189.06	182.75	175.97	4.51	4.45	4.48	4.26	4.22
295,9	Other petroleum and coal products	162.36	158.69	158.42	153.55	149.40	3.60	3.55	3.56	3.36	3.32
30	RUBBER AND PLASTICS PRODUCTS, N E C	128.96	125.83	123.29	126.07	125.97	3.20	3.13	3.09	3.09	3.05
301	Tires and inner tubes	(*)	169.70	172.19	189.57	183.40	(*)	4.19	4.21	4.26	4.14
302,3,6	Other rubber products	(*)	123.72	122.19	120.70	120.69	(*)	3.07	3.07	3.01	2.98
302	Rubber footwear	-	106.66	102.96	107.46	105.99	-	2.68	2.64	2.70	2.69
307	Miscellaneous plastics products	113.54	113.60	111.95	106.13	108.40	2.86	2.84	2.82	2.66	2.67
31	LEATHER AND LEATHER PRODUCTS	93.25	94.37	93.38	87.52	88.83	2.48	2.49	2.49	2.34	2.35
311	Leather tanning and finishing	119.12	125.33	124.93	113.88	119.66	3.07	3.11	3.10	2.92	2.94
314	Footwear, except rubber	(*)	92.34	91.13	85.50	85.88	(*)	2.43	2.43	2.28	2.29
312,3,5-7,8	Other leather products	90.53	89.42	87.72	84.04	85.88	2.46	2.43	2.41	2.29	2.29
316	Luggage	-	90.53	92.16	82.01	87.52	-	2.55	2.56	2.31	2.34
317	Handbags and personal leather goods	-	88.50	84.35	83.55	83.85	-	2.36	2.33	2.24	2.23
-	TRANSPORTATION AND PUBLIC UTILITIES	157.85	155.88	153.12	150.02	147.33	3.85	3.83	3.79	3.65	3.62
	RAILROAD TRANSPORTATION										
4011	Class I railroads ²	-	(*)	(*)	166.28	158.78	-	(*)	(*)	3.72	3.65
	LOCAL AND INTERURBAN PASSENGER TRANSIT										
411	Local and suburban transportation	-	143.99	141.79	134.30	130.62	-	3.38	3.36	3.16	3.11
413	Intercity highway transportation	-	172.96	166.36	168.33	167.42	-	4.06	3.98	3.97	3.93
42	TRUCKING AND WAREHOUSING	-	161.66	150.96	153.67	154.34	-	3.84	3.70	3.65	3.64
421,3	Trucking and trucking terminals	-	164.97	154.16	156.93	157.62	-	3.90	3.76	3.71	3.70
422	Public warehousing	-	121.18	118.78	113.76	112.03	-	3.06	3.03	2.88	2.88
46	PIPE LINE TRANSPORTATION	-	182.78	183.56	178.93	178.42	-	4.48	4.51	4.25	4.32
48	COMMUNICATION	-	133.62	132.16	133.17	131.86	-	3.40	3.38	3.28	3.28
481	Telephone communication	-	131.60	129.81	131.38	130.09	-	3.34	3.32	3.22	3.22
4817	Switchboard operating employees ³	-	95.43	94.05	96.15	95.57	-	2.75	2.75	2.62	2.64
4818	Line construction employees ⁴	-	184.99	181.19	184.61	181.43	-	4.12	4.09	3.97	3.97
482	Telegraph communication ⁵	-	157.61	154.94	150.50	151.12	-	3.64	3.57	3.50	3.49
483	Radio and television broadcasting	-	144.02	144.02	140.93	140.61	-	3.80	3.80	3.67	3.71

See footnotes at end of table.

**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				
		July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969	July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969
<i>Nondurable Goods--Continued</i>											
27	PRINTING AND PUBLISHING	37.7	37.7	37.6	38.4	38.4	-	2.7	2.8	3.3	3.2
271	Newspapers.....	35.3	35.6	35.5	35.9	36.3	-	2.6	2.7	2.7	2.9
272	Periodicals.....	-	40.1	40.6	41.6	40.5	-	3.7	4.4	5.6	4.4
273	Books	-	39.0	39.2	40.6	40.2	-	2.6	2.8	3.6	3.7
275	Commercial printing	38.8	38.6	38.3	39.2	39.0	-	2.9	3.1	3.5	3.3
2751	Commercial printing, ex. lithographic	-	38.5	37.9	39.0	38.8	-	-	-	-	-
2752	Commercial printing, lithographic	-	38.7	38.9	39.7	39.5	-	-	-	-	-
278	Blankbooks and bookbinding.....	(*)	37.7	37.7	38.0	38.4	-	1.7	1.7	2.2	2.7
274,6,7,9	Other publishing & printing ind.....	37.5	37.8	37.6	38.9	39.0	-	2.4	2.0	3.3	3.2
28	CHEMICALS AND ALLIED PRODUCTS ..	41.3	41.4	41.6	41.7	41.8	-	3.1	3.1	3.4	3.4
281	Industrial chemicals	42.3	42.0	42.2	42.5	42.6	-	3.7	3.5	3.8	3.9
2812	Alkalies and chlorine	-	42.6	42.9	43.4	43.6	-	-	-	-	-
2818	Industrial organic chemicals, n.e.c.	-	42.4	42.5	43.2	42.7	-	-	-	-	-
2819	Industrial inorganic chemicals, n.e.c.	-	41.3	41.6	41.5	41.7	-	-	-	-	-
282	Plastics materials and synthetics	41.2	41.5	41.8	42.5	42.5	-	2.7	2.6	3.4	3.4
2821	Plastics materials and resins	-	42.3	42.5	42.7	43.5	-	-	-	-	-
2823,4	Synthetic fibers	-	40.8	41.1	42.3	41.6	-	-	-	-	-
283	Drugs	39.8	40.5	40.4	40.6	41.0	-	2.5	2.3	3.0	2.8
2834	Pharmaceutical preparations	-	40.1	39.7	40.1	40.4	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	41.3	41.4	41.1	40.5	40.7	-	3.1	2.9	2.9	2.7
2841	Soap and other detergents	-	42.5	42.1	42.6	41.9	-	-	-	-	-
2844	Toilet preparations	-	40.6	40.6	38.2	39.3	-	-	-	-	-
285	Paints and allied products.....	40.5	41.4	40.6	41.2	41.3	-	3.2	2.7	3.2	3.1
287	Agricultural chemicals	(*)	40.7	43.0	41.7	42.2	-	3.7	6.0	3.9	4.5
2871,2	Fertilizers, complete & mixing only..	-	41.0	43.6	41.5	41.7	-	-	-	-	-
286,9	Other chemical products	(*)	41.3	41.2	40.8	41.0	-	2.5	2.7	3.0	3.0
2892	Explosives	-	40.2	40.2	39.7	39.9	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS	43.5	42.8	42.8	43.6	42.5	-	4.0	4.0	4.4	3.8
291	Petroleum refining.....	43.0	42.2	42.2	42.9	41.7	-	3.1	3.2	3.4	2.8
295,9	Other petroleum and coal products	45.1	44.7	44.5	45.7	45.0	-	6.7	6.8	7.5	7.1
30	RUBBER AND PLASTICS PRODUCTS, NEC ..	40.3	40.2	39.9	40.8	41.3	-	3.3	3.1	4.0	4.2
301	Tires and inner tubes	(*)	40.5	40.9	44.5	44.3	-	4.0	4.1	7.2	6.3
302,3,6	Other rubber products	(*)	40.3	39.8	40.1	40.5	-	3.0	2.7	3.2	3.4
302	Rubber footwear	-	39.8	39.0	39.8	39.4	-	2.6	2.4	2.5	2.5
307	Miscellaneous plastics products	39.7	40.0	39.7	39.9	40.6	-	3.3	3.1	3.4	4.0
31	LEATHER AND LEATHER PRODUCTS	37.6	37.9	37.5	37.4	37.8	-	1.8	1.9	1.8	1.9
311	Leather tanning and finishing	38.8	40.3	40.3	39.0	40.7	-	3.6	3.7	3.2	4.1
314	Footwear, except rubber.....	(*)	38.0	37.5	37.5	37.5	-	1.7	1.9	1.7	1.7
312,3,5-7,9	Other leather products	36.8	36.8	36.4	36.7	37.5	-	1.6	1.2	1.6	1.7
316	Luggage	-	35.5	36.0	35.5	37.4	-	.8	.9	1.7	1.8
317	Handbags and personal leather goods..	-	37.5	36.2	37.3	37.6	-	2.0	1.1	1.6	1.6
-	TRANSPORTATION AND PUBLIC UTILITIES	41.0	40.7	40.4	41.1	40.7	-	-	-	-	-
4011	RAILROAD TRANSPORTATION: Class I railroads ²	-	(*)	(*)	44.7	43.5	-	-	-	-	-
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	-	42.6	42.2	42.5	42.0	-	-	-	-	-
413	Intercity highway transportation	-	42.6	41.8	42.4	42.6	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	-	42.1	40.8	42.1	42.4	-	-	-	-	-
421,3	Trucking and trucking terminals	-	42.3	41.0	42.3	42.6	-	-	-	-	-
422	Public warehousing	-	39.6	39.2	39.5	38.9	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	40.8	40.7	42.1	41.3	-	-	-	-	-
48	COMMUNICATION	-	39.3	39.1	40.6	40.2	-	-	-	-	-
481	Telephone communication	-	39.4	39.1	40.8	40.4	-	-	-	-	-
4817	Switchboard operating employees ³	-	34.7	34.2	36.7	36.2	-	-	-	-	-
4818	Line construction employees ⁴	-	44.9	44.3	46.5	45.7	-	-	-	-	-
482	Telegraph communication ⁵	-	43.3	43.4	43.0	43.3	-	-	-	-	-
483	Radio and television broadcasting.....	-	37.9	37.9	38.4	37.9	-	-	-	-	-

See footnotes at end of table.

**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				
		July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969	July 1970 ^P	June 1970 ^P	May 1970	July 1969	June 1969
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	\$170.98	\$172.22	\$162.99	\$158.59	-	\$4.11	\$4.13	\$3.89	\$3.84
491	Electric companies and systems	-	175.56	175.56	170.37	162.66	-	4.17	4.18	3.99	3.91
492	Gas companies and systems	-	154.22	155.77	144.84	143.82	-	3.78	3.79	3.55	3.56
493	Combination companies and systems	-	186.37	188.07	175.56	172.64	-	4.48	4.51	4.18	4.15
494-7	Water, steam, & sanitary systems	-	143.72	144.07	133.40	131.52	-	3.48	3.48	3.23	3.20
-	WHOLESALE AND RETAIL TRADE	\$98.01	96.12	94.50	93.08	91.55	\$2.70	2.70	2.70	2.55	2.55
50	WHOLESALE TRADE	137.42	136.34	136.06	130.17	129.92	3.41	3.40	3.41	3.23	3.24
501	Motor vehicles & automotive equipment	-	130.38	128.70	120.83	121.25	-	3.18	3.17	2.94	2.95
502	Drugs, chemicals, and allied products	-	138.81	138.55	131.66	130.37	-	3.55	3.58	3.35	3.36
503	Dry goods and apparel	-	125.77	125.15	121.41	120.46	-	3.39	3.41	3.17	3.17
504	Groceries and related products	-	126.00	126.80	122.78	119.10	-	3.15	3.21	2.98	2.97
506	Electrical goods	-	138.09	140.08	128.23	130.52	-	3.28	3.25	3.12	3.13
507	Hardware; plumbing & heating equipment	-	130.98	130.40	122.67	123.29	-	3.25	3.26	3.09	3.09
508	Machinery, equipment, and supplies	-	150.47	148.19	144.32	145.55	-	3.67	3.65	3.52	3.55
509	Miscellaneous wholesalers	-	137.20	137.24	130.81	131.20	-	3.50	3.51	3.32	3.33
52-59	RETAIL TRADE	85.40	83.11	81.41	80.96	79.58	2.44	2.43	2.43	2.30	2.30
53	Retail general merchandise	-	75.99	74.42	73.92	72.80	-	2.36	2.37	2.24	2.24
531	Department stores	-	79.57	77.81	78.15	76.31	-	2.51	2.51	2.39	2.37
532	Mail order houses	-	95.09	91.55	87.35	86.87	-	2.57	2.55	2.38	2.38
533	Variety stores	-	57.38	55.67	56.61	56.17	-	1.90	1.90	1.85	1.86
54	Food stores	-	89.04	85.81	87.04	84.07	-	2.69	2.69	2.56	2.54
541-3	Grocery, meat, and vegetable stores	-	90.91	87.63	88.58	85.66	-	2.73	2.73	2.59	2.58
56	Apparel and accessory stores	-	73.00	70.88	71.17	69.34	-	2.26	2.25	2.15	2.16
561	Men's & boys' clothing & furnishings	-	89.78	88.22	87.65	85.22	-	2.61	2.61	2.49	2.47
562	Women's ready-to-wear stores	-	64.27	62.72	64.20	62.29	-	2.08	2.07	2.00	1.99
565	Family clothing stores	-	70.79	69.93	68.14	66.50	-	2.07	2.10	2.04	2.04
566	Shoe stores	-	74.03	70.20	70.96	68.02	-	2.35	2.34	2.17	2.23
57	Furniture and home furnishings stores	-	108.92	107.53	104.71	103.50	-	2.92	2.93	2.77	2.76
571	Furniture and home furnishings	-	109.00	107.75	104.43	104.25	-	2.93	2.92	2.77	2.78
58,58,59	Eating and drinking places ⁶	-	58.65	57.04	57.44	56.05	-	1.85	1.84	1.73	1.73
52,55,59	Other retail trade	-	102.87	101.41	100.23	99.20	-	2.70	2.69	2.57	2.57
52	Building materials and farm equipment	-	112.96	111.16	107.01	105.82	-	2.81	2.80	2.61	2.60
551,2	Motor vehicle dealers	-	135.79	133.57	130.06	132.16	-	3.32	3.29	3.18	3.20
553,9	Other automotive & accessory dealers	-	111.79	111.93	108.52	106.75	-	2.72	2.73	2.59	2.56
591	Drug stores and proprietary stores	-	74.47	72.38	74.26	71.29	-	2.32	2.32	2.21	2.18
594	Book and stationery stores	-	87.12	84.33	87.54	84.04	-	2.54	2.54	2.48	2.45
598	Fuel and ice dealers	-	117.71	118.12	115.43	115.43	-	2.85	2.86	2.85	2.85
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	112.55	111.57	111.57	107.96	108.70	3.05	3.04	3.04	2.91	2.93
60	Banking	-	101.48	101.57	98.10	97.09	-	2.75	2.76	2.63	2.61
61	Credit agencies other than banks	-	102.77	103.14	99.91	99.15	-	2.77	2.78	2.65	2.63
612	Savings and loan associations	-	100.28	100.65	98.10	96.20	-	2.74	2.75	2.63	2.60
62	Security, commodity brokers & services	-	163.98	162.43	173.07	185.55	-	4.42	4.39	4.64	4.87
63	Insurance carriers	-	120.29	120.66	113.34	114.08	-	3.26	3.27	3.08	3.10
631	Life insurance	-	121.91	122.28	116.24	116.32	-	3.34	3.35	3.22	3.24
632	Accident and health insurance	-	109.93	111.57	100.52	100.27	-	3.02	3.04	2.80	2.77
633	Fire, marine, and casualty insurance	-	121.55	121.92	114.16	115.22	-	3.25	3.26	3.02	3.04
-	SERVICES	98.07	96.95	96.04	92.84	90.83	2.81	2.81	2.80	2.63	2.61
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶	-	67.62	67.23	65.70	64.26	-	1.96	1.96	1.81	1.80
721	Personal Services: Laundries and dry cleaning plants	-	78.26	78.12	73.97	73.77	-	2.18	2.17	2.01	2.01
722	Photographic studios	-	89.82	90.14	84.61	82.49	-	2.53	2.49	2.37	2.35
781	Motion pictures: Motion picture filming & distributing	-	180.64	172.87	188.60	178.61	-	4.55	4.41	4.60	4.41

See footnotes at end of table.

**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				
		July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969	July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	41.6	41.7	41.9	41.3	-	-	-	-	-
491	Electric companies and systems.....	-	42.1	42.0	42.7	41.6	-	-	-	-	-
492	Gas companies and systems.....	-	40.8	41.1	40.8	40.4	-	-	-	-	-
493	Combination companies and systems..	-	41.6	41.7	42.0	41.6	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	41.3	41.4	41.3	41.1	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE.....	36.3	35.6	35.0	36.5	35.9	-	-	-	-	-
50	WHOLESALE TRADE.....	40.3	40.1	39.9	40.3	40.1	-	-	-	-	-
501	Motor vehicles & automotive equipment..	-	41.0	40.6	41.1	41.1	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	39.1	38.7	39.3	38.8	-	-	-	-	-
503	Dry goods and apparel.....	-	37.1	36.7	38.3	38.0	-	-	-	-	-
504	Groceries and related products.....	-	40.0	39.5	41.2	40.1	-	-	-	-	-
506	Electrical goods.....	-	42.1	43.1	41.1	41.7	-	-	-	-	-
507	Hardware; plumbing & heating equipment	-	40.3	40.0	39.7	39.9	-	-	-	-	-
508	Machinery, equipment, and supplies....	-	41.0	40.6	41.0	41.0	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.2	39.1	39.4	39.4	-	-	-	-	-
52-59	RETAIL TRADE.....	35.0	34.2	33.5	35.2	34.6	-	-	-	-	-
53	Retail general merchandise.....	-	32.2	31.4	33.0	32.5	-	-	-	-	-
531	Department stores.....	-	31.7	31.0	32.7	32.2	-	-	-	-	-
532	Mail order houses.....	-	37.0	35.9	36.7	36.5	-	-	-	-	-
533	Variety stores.....	-	30.2	29.3	30.6	30.2	-	-	-	-	-
54	Food stores.....	-	33.1	31.9	34.0	33.1	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores...	-	33.3	32.1	34.2	33.2	-	-	-	-	-
56	Apparel and accessory stores.....	-	32.3	31.5	33.1	32.1	-	-	-	-	-
561	Men's & boys' clothing & furnishings..	-	34.4	33.8	35.2	34.5	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	30.9	30.3	32.1	31.3	-	-	-	-	-
565	Family clothing stores.....	-	34.2	33.3	33.4	32.6	-	-	-	-	-
566	Shoe stores.....	-	31.5	30.0	32.7	30.5	-	-	-	-	-
57	Furniture and home furnishings stores..	-	37.3	36.7	37.8	37.5	-	-	-	-	-
571	Furniture and home furnishings.....	-	37.2	36.9	37.7	37.5	-	-	-	-	-
58	Eating and drinking places ⁶	-	31.7	31.0	33.2	32.4	-	-	-	-	-
52,55,59	Other retail trade.....	-	38.1	37.7	39.0	38.6	-	-	-	-	-
52	Building materials and farm equipment	-	40.2	39.7	41.0	40.7	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	40.9	40.6	40.9	41.3	-	-	-	-	-
553,9	Other automotive & accessory dealers.	-	41.1	41.0	41.9	41.7	-	-	-	-	-
591	Drug stores and proprietary stores...	-	32.1	31.2	33.6	32.7	-	-	-	-	-
594	Book and stationery stores.....	-	34.3	33.2	35.3	34.3	-	-	-	-	-
598	Fuel and ice dealers.....	-	41.3	41.3	40.5	40.5	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.9	36.7	36.7	37.1	37.1	-	-	-	-	-
60	Banking.....	-	36.9	36.8	37.3	37.2	-	-	-	-	-
61	Credit agencies other than banks.....	-	37.1	37.1	37.7	37.7	-	-	-	-	-
612	Savings and loan associations.....	-	36.6	36.6	37.3	37.0	-	-	-	-	-
62	Security, commodity brokers & services.	-	37.1	37.0	37.3	38.1	-	-	-	-	-
63	Insurance carriers.....	-	36.9	36.9	36.8	36.8	-	-	-	-	-
631	Life insurance.....	-	36.5	36.5	36.1	35.9	-	-	-	-	-
632	Accident and health insurance.....	-	36.4	36.7	35.9	36.2	-	-	-	-	-
633	Fire, marine, and casualty insurance..	-	37.4	37.4	37.8	37.9	-	-	-	-	-
-	SERVICES.....	34.9	34.5	34.3	35.3	34.8	-	-	-	-	-
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶ ...	-	34.5	34.3	36.3	35.7	-	-	-	-	-
721	Personal Services: Laundries & dry cleaning plants.....	-	35.9	36.0	36.8	36.7	-	-	-	-	-
722	Photographic studios.....	-	35.5	36.2	35.7	35.1	-	-	-	-	-
781	Motion pictures: Motion picture filming & distributing..	-	39.7	39.2	41.0	40.5	-	-	-	-	-

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.

^p = preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

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

Item	1970					1969							
	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.
EXECUTIVE BRANCH													
Total employment	2,802.0	2,721.7	2,658.3	2,654.1	2,724.9	2,669.2	2,679.6	2,697.3	2,767.2	2,804.5	2,795.9	2,704.5	2,712.0
Average weekly hours	39.0	39.0	39.5	39.2	39.6	39.6	39.5	39.3	39.6	39.4	39.4	39.4	39.5
Average overtime hours	1.0	.9	1.0	1.0	1.5	1.0	.9	1.0	.9	.8	1.0	1.0	1.0
Indexes (1965=100):													
Average weekly earnings	133.7	127.6	128.9	128.2	130.4	128.7	127.2	126.0	124.7	119.1	117.8	118.9	117.5
Average hourly earnings	138.9	132.5	132.2	132.5	133.3	131.6	130.4	129.8	127.5	123.7	121.1	122.2	120.5
DEPARTMENT OF DEFENSE													
Total employment	1,053.4	1,057.3	1,069.1	1,075.7	1,083.9	1,091.0	1,102.8	1,111.6	1,142.9	1,167.5	1,162.4	1,125.2	1,128.2
Average weekly hours	40.0	40.0	40.0	39.2	39.1	39.8	40.1	39.6	39.8	38.5	40.2	39.9	39.8
Average overtime hours . . . . .	.7	.8	.8	.8	.8	.8	.8	.9	1.0	.9	1.2	1.0	.8
Indexes (1965=100):													
Average weekly earnings	136.4	130.2	130.2	127.3	128.1	128.4	126.8	125.2	123.8	118.4	118.2	119.9	116.5
Average hourly earnings	139.1	132.7	132.7	132.4	133.6	131.6	129.0	129.0	126.9	125.5	120.0	122.6	119.4
POST OFFICE DEPARTMENT													
Total employment	716.0	713.9	724.8	725.2	793.6	726.1	725.5	726.5	741.0	739.8	736.6	723.1	720.9
Average weekly hours	39.0	38.0	39.1	39.2	40.8	39.7	38.8	38.7	38.7	39.1	38.4	38.5	38.8
Average overtime hours	1.6	1.3	1.4	1.6	3.3	1.5	1.3	1.2	.9	.8	.9	1.1	1.3
Indexes (1965=100):													
Average weekly earnings	126.8	116.3	119.4	120.6	127.2	121.5	118.4	117.8	116.6	117.8	111.1	112.0	113.2
Average hourly earnings	134.3	126.4	126.1	127.1	128.7	126.4	126.1	125.7	124.4	124.4	119.5	120.1	120.5
OTHER AGENCIES													
Total employment	1,032.6	950.5	864.4	853.2	847.4	852.1	851.3	859.2	883.3	897.2	896.9	856.2	862.9
Average weekly hours	37.9	38.7	39.2	39.2	39.1	39.3	39.3	39.4	40.0	39.6	39.2	39.6	39.8
Average overtime hours . . . . .	.8	.8	.8	.9	.8	.9	.8	.8	.8	.8	.9	.9	.9
Indexes (1965=100):													
Average weekly earnings	136.3	134.1	135.3	135.8	136.0	135.6	135.1	133.8	131.4	122.0	122.9	124.2	122.9
Average hourly earnings	142.0	136.9	136.3	136.9	137.4	136.3	135.8	134.1	129.8	121.7	123.8	123.8	122.0

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				
	July 1970 ^p	June 1970 ^p	May 1970	July 1969	June 1969
MANUFACTURING	\$3.24	\$3.23	\$3.22	\$3.06	\$3.04
DURABLE GOODS	3.44	3.44	3.42	3.24	3.22
Ordnance and accessories	-	3.49	3.50	3.32	3.32
Lumber and wood products	-	2.86	2.79	2.63	2.59
Furniture and fixtures	-	2.68	2.68	2.52	2.51
Stone, clay, and glass products	-	3.23	3.21	3.01	3.01
Primary metal industries	-	3.77	3.76	3.62	3.59
Fabricated metal products	-	3.39	3.39	3.17	3.17
Machinery, except electrical	-	3.62	3.62	3.39	3.39
Electrical equipment and supplies	-	3.21	3.18	2.99	2.98
Transportation equipment	-	3.93	3.92	3.72	3.68
Instruments and related products	-	3.22	3.21	3.03	3.03
Miscellaneous manufacturing industries	-	2.74	2.73	2.57	2.56
NONDURABLE GOODS	2.98	2.95	2.94	2.80	2.77
Food and kindred products	-	3.01	3.01	2.82	2.80
Tobacco manufactures	-	2.97	2.95	2.71	2.71
Textile mill products	-	2.34	2.33	2.25	2.20
Apparel and other textile products	-	2.34	2.33	2.25	2.26
Paper and allied products	-	3.24	3.23	3.07	3.04
Printing and publishing	(2)	(2)	(2)	(2)	(2)
Chemicals and allied products	-	3.54	3.51	3.36	3.33
Petroleum and coal products	-	4.03	4.06	3.84	3.82
Rubber and plastics products, n e c	-	3.01	2.98	2.94	2.90
Leather and leather products	-	2.43	2.43	2.28	2.29

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.

p = 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					
				Worker with no dependents			Worker with three dependents		
	June 1970 P	May 1970	June 1969	June 1970 P	May 1970	June 1969	June 1970 P	May 1970	June 1969
TOTAL PRIVATE:									
Current dollars	\$120.05	\$118.40	\$115.22	\$96.38	\$95.14	\$91.40	\$105.08	\$103.77	\$100.46
1957-59 dollars	88.79	87.96	90.30	71.29	70.68	71.63	77.72	77.10	78.73
MINING:									
Current dollars	163.50	162.26	150.59	128.98	128.02	117.12	139.76	138.74	127.67
1957-59 dollars	120.93	120.55	118.02	95.40	95.11	91.79	103.37	103.08	100.05
CONTRACT CONSTRUCTION:									
Current dollars	196.74	194.31	180.48	154.07	152.33	139.61	167.09	165.13	151.94
1957-59 dollars	145.52	144.36	141.44	113.96	113.17	109.41	123.59	122.68	119.08
MANUFACTURING:									
Current dollars	134.40	132.93	130.06	107.13	106.02	102.30	116.43	115.27	111.86
1957-59 dollars	99.41	98.76	101.93	79.24	78.77	80.17	86.12	85.64	87.66
WHOLESALE AND RETAIL TRADE:									
Current dollars	96.12	94.50	91.55	78.38	77.12	73.83	86.23	84.93	82.27
1957-59 dollars	71.09	70.21	71.75	57.97	57.30	57.86	63.78	63.10	64.47
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	111.57	111.57	108.70	90.03	90.03	86.62	98.37	98.37	95.50
1957-59 dollars	82.52	82.89	85.19	66.59	66.89	67.88	72.76	73.08	74.84

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

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

Industry	1957-59=100				
	July 1970 P	June 1970 P	May 1970	July 1969	June 1969
	Man-hours				
TOTAL	111.8	114.1	110.9	119.4	120.5
MINING	82.2	82.2	79.8	82.9	80.6
CONTRACT CONSTRUCTION	126.4	123.5	115.7	133.0	122.9
MANUFACTURING	110.6	113.9	111.6	118.7	122.1
DURABLE GOODS	112.9	118.1	116.2	124.4	129.0
Ordnance and accessories	148.5	156.4	159.6	207.7	214.9
Lumber and wood products	88.2	93.5	89.2	96.6	100.4
Furniture and fixtures	110.3	116.7	114.7	125.9	132.6
Stone, clay, and glass products	108.7	110.3	110.3	115.1	117.0
Primary metal industries	106.8	109.0	107.2	115.7	118.1
Fabricated metal products	120.7	124.3	121.5	127.7	133.7
Machinery, except electrical	125.8	129.7	130.2	135.4	140.5
Electrical equipment and supplies	132.6	137.1	135.9	143.8	148.6
Transportation equipment	99.7	110.8	107.4	118.0	123.5
Instruments and related products	120.5	124.3	124.5	130.1	133.5
Miscellaneous manufacturing industries	98.2	103.8	102.5	106.1	111.5
NONDURABLE GOODS	107.5	108.5	105.7	111.3	113.2
Food and kindred products	99.3	96.1	92.2	100.2	96.5
Tobacco manufactures	67.5	67.8	64.7	67.7	71.9
Textile mill products	98.3	101.3	99.6	104.9	109.3
Apparel and other textile products	109.5	114.0	110.6	112.8	120.0
Paper and allied products	116.2	119.0	116.6	121.4	123.0
Printing and publishing	116.5	117.7	117.3	119.7	120.0
Chemicals and allied products	120.8	121.4	121.6	126.0	127.3
Petroleum and coal products	87.7	86.1	83.0	88.1	84.8
Rubber and plastics products, nec.	153.0	152.1	143.3	163.1	169.0
Leather and leather products	85.6	89.2	86.1	89.4	93.0
	Payrolls				
MINING	125.3	125.8	121.5	119.4	115.1
CONTRACT CONSTRUCTION	231.5	223.6	209.1	224.1	204.4
MANUFACTURING	175.8	181.0	176.5	179.3	183.4

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

ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS

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

Industry	July 1970 ^p	June 1970 ^p	May 1970	Apr. 1970	Mar. 1970	Feb. 1970	Jan. 1970	Dec. 1969	Nov. 1969	Oct. 1969	Sept. 1969	Aug. 1969	July 1969
TOTAL PRIVATE	37.3	37.2	37.1	37.2	37.4	37.3	37.5	37.6	37.6	37.5	37.7	37.7	37.7
MINING	42.4	42.3	42.6	43.1	43.2	43.4	42.7	43.2	43.5	43.0	43.1	43.1	42.6
CONTRACT CONSTRUCTION	37.6	37.7	38.1	38.3	38.0	38.2	36.7	38.2	38.1	37.6	38.1	37.9	37.6
MANUFACTURING	39.9	39.8	39.8	40.0	40.2	39.9	40.3	40.7	40.5	40.5	40.7	40.6	40.6
<i>Overtime hours</i>	3.0	3.1	2.9	3.0	3.2	3.2	3.3	3.5	3.5	3.5	3.6	3.6	3.6
DURABLE GOODS	40.5	40.5	40.3	40.4	40.7	40.5	41.0	41.3	41.1	41.2	41.4	41.2	41.3
<i>Overtime hours</i>	3.0	3.2	3.0	3.0	3.2	3.2	3.4	3.6	3.5	3.6	3.8	3.8	3.8
Ordnance and accessories	40.5	40.6	40.8	41.1	41.1	41.3	40.6	40.5	40.3	40.2	40.3	40.4	40.3
Lumber and wood products	39.4	39.4	39.7	39.8	39.5	40.1	39.6	40.3	40.2	39.9	40.0	39.9	39.8
Furniture and fixtures	38.4	38.8	38.8	39.3	39.4	39.3	39.5	40.0	40.0	39.9	40.1	40.3	40.2
Stone, clay, and glass products	41.5	41.2	41.3	41.6	41.8	41.7	41.7	42.1	41.8	41.7	41.9	41.9	41.7
Primary metal industries	40.4	40.4	40.2	40.1	40.7	40.9	41.2	41.7	41.6	42.1	42.1	41.9	41.7
Fabricated metal products	41.0	40.9	40.6	40.9	41.2	41.1	41.4	41.5	41.4	41.4	41.5	41.6	41.6
Machinery, except electrical	41.2	41.1	41.1	41.4	41.8	41.9	42.2	42.6	42.2	42.4	42.6	42.5	42.4
Electrical equipment and supplies	39.7	39.7	39.7	40.0	40.2	39.7	40.5	40.3	40.1	40.2	40.4	40.4	40.4
Transportation equipment	41.0	41.6	40.3	39.7	40.4	40.3	40.2	41.4	40.7	41.2	41.6	41.2	42.1
Instruments and related products	39.9	39.9	40.1	40.5	40.7	40.2	40.7	40.9	40.9	40.7	41.0	40.9	40.9
Miscellaneous manufacturing industries	38.9	38.6	38.7	39.0	39.0	38.6	39.3	39.3	38.9	38.9	39.0	39.1	39.2
NONDURABLE GOODS	39.2	39.0	39.1	39.4	39.4	39.3	39.6	39.8	39.6	39.6	39.7	39.7	39.8
<i>Overtime hours</i>	2.9	3.0	3.0	3.0	3.2	3.2	3.4	3.3	3.3	3.3	3.3	3.4	3.4
Food and kindred products	40.2	40.3	40.7	40.6	40.5	40.7	41.0	40.8	40.8	40.6	40.9	40.9	40.7
Tobacco manufactures	38.1	37.5	37.1	38.3	37.5	37.3	38.3	36.2	37.2	37.3	37.4	37.2	38.0
Textile mill products	40.4	39.9	39.8	40.6	40.2	40.1	40.4	40.9	40.7	40.6	40.7	40.9	41.1
Apparel and other textile products	35.6	35.2	35.1	35.5	35.6	35.5	35.6	36.0	35.8	35.8	35.8	35.9	36.0
Paper and allied products	41.7	41.7	41.8	42.1	42.2	42.3	42.8	42.8	42.7	42.8	42.9	42.9	43.0
Printing and publishing	37.8	37.7	37.7	37.9	38.0	38.0	38.2	38.6	38.4	38.2	38.3	38.4	38.5
Chemicals and allied products	41.4	41.4	41.5	41.4	41.8	41.8	42.0	41.8	41.8	41.7	41.8	41.8	41.8
Petroleum and coal products	42.7	42.6	42.5	41.9	42.2	42.7	42.5	42.3	42.6	42.6	42.2	42.8	42.8
Rubber and plastics products, nec	40.7	40.2	40.0	40.7	40.7	41.0	40.9	41.1	40.8	40.9	41.0	40.9	41.2
Leather and leather products	37.3	37.5	37.7	37.4	37.4	37.1	37.5	37.7	37.3	37.2	37.1	36.9	37.1
TRANSPORTATION AND PUBLIC UTILITIES	40.6	40.6	40.6	40.2	40.6	40.7	40.7	40.8	40.7	40.9	40.8	40.5	40.7
WHOLESALE AND RETAIL TRADE	35.5	35.4	35.4	35.3	35.3	35.4	35.4	35.5	35.5	35.5	35.6	35.7	35.7
WHOLESALE TRADE	40.0	40.0	40.1	40.1	40.1	40.2	40.3	40.5	40.3	40.3	40.3	40.3	40.0
RETAIL TRADE	34.0	33.9	33.9	33.7	33.8	33.7	33.8	33.8	34.0	34.0	34.1	34.2	34.2
FINANCE, INSURANCE, AND REAL ESTATE	36.9	36.7	36.8	36.9	37.0	37.0	36.9	36.9	37.2	37.0	37.1	37.0	37.1
SERVICES	34.6	34.4	34.5	34.4	34.7	34.4	34.4	34.6	34.7	34.6	34.7	35.0	35.0

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

ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

1957-59=100

Industry	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
	1970 ^P	1970 ^P	1970	1970	1970	1970	1970	1969	1969	1969	1969	1969	1969
TOTAL	111.1	111.3	111.7	114.1	115.5	115.6	115.4	117.8	117.1	117.9	118.7	118.4	118.6
MINING	79.1	78.9	79.5	81.1	81.6	82.2	80.9	81.8	82.0	81.1	81.5	81.1	79.7
CONTRACT CONSTRUCTION	113.1	113.7	116.0	119.7	120.6	121.1	113.4	122.5	121.4	118.8	120.1	118.9	119.0
MANUFACTURING	112.4	112.5	112.6	114.7	116.3	116.1	117.5	118.7	118.1	119.6	120.3	120.2	120.5
DURABLE GOODS	115.6	116.3	116.3	118.5	120.8	120.0	121.8	124.1	123.3	126.4	127.1	126.6	127.0
Ordnance and accessories	151.6	156.5	161.9	165.4	174.6	180.1	178.2	186.9	190.5	192.3	197.3	205.7	212.0
Lumber and wood products	85.4	88.8	88.7	89.5	90.1	92.1	92.4	94.2	93.6	92.6	93.7	93.8	93.6
Furniture and fixtures	114.0	115.8	117.0	122.0	123.6	123.3	125.5	127.4	127.7	128.7	129.4	130.3	130.0
Stone, clay, and glass products	105.5	106.6	106.9	108.9	110.5	111.3	110.9	113.5	112.5	112.2	112.7	112.3	111.5
Primary metal industries	105.8	105.6	105.6	106.6	109.6	111.1	113.4	116.5	116.8	118.6	118.0	116.0	114.6
Fabricated metal products	124.0	122.5	121.9	125.0	126.9	126.9	129.0	130.5	129.7	129.8	131.2	131.4	131.3
Machinery, except electrical	128.1	128.2	129.9	133.4	136.2	136.5	137.7	139.8	137.8	139.1	139.3	137.8	138.1
Electrical equipment and supplies	137.2	137.2	138.2	141.3	143.0	140.8	135.7	136.0	136.3	148.5	148.5	148.1	148.9
Transportation equipment	107.7	109.8	106.8	107.4	110.4	104.7	112.0	116.9	116.1	121.7	123.6	122.8	125.0
Instruments and related products	122.9	123.7	125.7	128.3	128.9	127.3	128.9	130.9	130.9	130.7	132.1	132.7	132.7
Miscellaneous manufacturing industries	102.3	102.8	104.0	105.7	108.0	108.1	110.1	112.7	107.1	108.7	108.6	109.2	110.8
NONDURABLE GOODS	108.2	107.6	107.7	109.8	110.4	110.8	111.9	111.8	111.4	110.7	111.4	111.8	112.1
Food and kindred products	95.8	96.6	98.0	97.8	99.0	100.0	99.5	98.0	98.1	95.4	97.8	97.9	96.9
Tobacco manufactures	79.0	77.7	76.9	78.2	76.6	76.2	78.2	70.6	76.0	77.3	78.7	81.6	78.8
Textile mill products	100.4	99.2	100.2	103.1	102.2	102.7	104.8	105.6	104.9	104.6	105.1	105.6	107.2
Apparel and other textile products	114.1	112.1	111.0	113.7	114.2	114.1	116.0	116.9	115.8	115.9	116.0	116.6	117.4
Paper and allied products	116.0	117.1	117.5	119.5	120.2	120.2	121.9	121.7	120.7	121.0	121.3	120.9	121.1
Printing and publishing	117.3	117.6	118.0	119.7	120.5	120.5	121.3	122.6	121.8	121.0	120.6	120.5	120.5
Chemicals and allied products	120.4	120.4	121.1	121.6	123.4	124.0	125.2	124.8	124.6	124.3	125.0	125.4	125.8
Petroleum and coal products	83.2	83.7	82.8	81.7	82.9	83.9	83.5	82.4	83.0	83.0	82.2	83.4	83.4
Rubber and plastics products, nec	157.8	151.2	144.9	161.1	162.1	163.7	165.1	165.2	164.7	165.5	166.6	166.5	168.1
Leather and leather products	86.4	87.5	87.6	87.2	86.9	86.5	88.7	89.5	88.2	88.3	87.1	89.4	90.2

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

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

Industry division	Annual rate, millions of man-hours ¹			Percent change ²		
	July 1970 ^P	June 1970 ^P	May 1970	June 1970 to July 1970	May 1970 to June 1970	July 1969 to July 1970
TOTAL - ALL INDUSTRIES	138,476	138,332	139,053	1.3	- 6.0	- 0.7
TOTAL - PRIVATE	112,723	112,679	113,209	0.5	- 5.5	- 1.5
MINING	1,360	1,362	1,373	- 1.7	- 9.2	- 0.5
CONTRACT CONSTRUCTION	6,474	6,520	6,639	- 8.1	-19.5	- 3.7
MANUFACTURING	40,113	40,190	40,394	- 2.3	- 5.9	- 5.4
TRANSPORTATION AND PUBLIC UTILITIES	9,515	9,496	9,454	2.4	5.5	1.0
WHOLESALE AND RETAIL TRADE	27,546	27,503	27,553	1.9	- 2.2	1.3
FINANCE, INSURANCE, AND REAL ESTATE	7,053	7,008	7,036	8.0	- 4.7	2.5
SERVICES	20,662	20,600	20,760	3.7	- 8.9	1.3
GOVERNMENT	25,753	25,653	25,844	4.8	- 8.5	2.5

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

² Percent change compounded at annual rates.

^P preliminary.

**OUTPUT PER MAN-HOUR
SEASONALLY ADJUSTED**

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

(Indexes 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		Unit nonlabor payments ³		Implicit price deflator	
	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm
1967: 1st quarter	146.4	148.2	110.6	155.5	132.4	128.4	147.6	143.3	128.7	125.0	111.5	111.7	117.7	117.9	113.8	114.0
2d quarter	147.5	149.1	109.5	114.9	134.7	129.8	150.4	145.6	130.3	126.0	111.7	112.1	118.8	118.8	114.3	114.6
3d quarter	149.1	150.9	110.3	115.3	135.2	130.9	152.4	147.8	130.6	126.6	112.8	113.0	119.9	120.3	115.5	115.6
4th quarter	150.1	152.0	111.0	116.1	135.3	130.9	154.3	149.7	131.1	127.2	114.1	114.4	120.6	120.8	116.5	116.7
Annual average	148.3	150.1	110.3	115.4	134.4	130.0	151.2	146.6	130.1	126.2	112.5	112.8	119.2	119.4	115.1	115.2
1968: 1st quarter	152.4	154.3	111.3	116.5	136.9	132.4	158.5	153.6	133.3	129.2	115.8	116.0	120.4	120.8	117.5	117.8
2d quarter	155.1	157.4	112.3	117.7	138.1	133.7	160.8	155.7	133.7	129.5	116.5	116.5	122.3	122.7	118.7	118.8
3d quarter	156.7	159.0	112.9	118.5	138.8	134.2	164.1	158.4	134.7	130.1	118.2	118.1	122.0	122.6	119.6	119.7
4th quarter	157.9	160.1	113.2	118.9	139.5	134.6	167.5	161.7	135.9	131.3	120.1	120.2	122.3	122.7	120.9	121.1
Annual average	155.5	157.7	112.4	117.9	138.3	133.7	162.8	157.4	134.4	130.0	117.7	117.7	121.7	122.1	119.2	119.3
1969: 1st quarter	159.0	161.1	114.2	120.1	139.3	134.1	170.0	163.9	136.3	131.5	122.1	122.2	122.8	123.0	122.4	122.5
2d quarter	159.8	162.4	115.1	121.2	138.9	134.0	172.4	166.2	136.0	131.1	124.2	124.1	123.2	123.0	123.8	123.7
3d quarter	160.9	163.4	115.3	121.7	139.5	134.2	175.9	169.2	136.8	131.6	126.1	126.1	123.6	123.5	125.2	125.1
4th quarter	160.4	163.1	114.8	121.4	139.7	134.3	179.6	172.4	137.8	132.2	128.6	128.4	123.3	123.2	126.6	126.4
Annual average	160.0	162.5	114.9	121.1	139.3	134.2	174.5	167.9	136.8	131.6	125.3	125.2	123.2	123.2	124.5	124.5
1970: 1st quarter	159.2	161.9	114.7	121.4	138.9	133.3	182.6	175.1	138.0	132.3	131.5	131.4	122.7	122.0	128.3	127.9
2d quarter ^p	159.3	161.9	113.8	120.4	139.9	134.4	184.9	177.5	137.5	132.0	132.2	132.1	125.2	124.7	129.5	129.4
3d quarter																
4th quarter																
Annual average																
Percent change over previous quarter at annual rate ⁴																
1967: 1st quarter	- 1.3	- 2.2	0.0	- 0.3	- 1.3	- 1.8	3.1	4.3	2.4	3.6	4.4	6.2	- 1.0	- 1.6	2.3	3.2
2d quarter	3.0	2.5	- 3.8	- 2.1	7.0	4.6	7.8	6.3	4.8	3.4	0.7	1.6	3.8	2.9	1.9	2.1
3d quarter	4.3	4.8	2.9	1.6	1.4	3.2	5.4	6.3	1.2	2.0	4.0	3.1	3.9	5.2	4.0	3.9
4th quarter	2.9	2.9	2.5	2.7	0.3	0.3	5.1	5.4	1.6	1.9	4.7	5.1	2.3	1.8	3.8	3.9
1968: 1st quarter	6.1	6.2	1.1	1.5	4.9	4.6	11.2	10.6	6.7	6.2	6.0	5.7	- 0.8	0.0	3.3	3.5
2d quarter	7.2	8.2	3.7	4.2	3.4	3.9	6.1	5.7	1.2	0.9	2.6	1.8	6.6	6.4	4.1	3.5
3d quarter	4.3	4.2	2.0	2.8	2.2	1.4	8.4	7.0	3.1	1.9	6.0	5.5	- 1.0	- 0.4	3.3	3.2
4th quarter	3.1	2.8	1.2	1.3	1.8	1.4	8.5	8.7	3.6	3.8	6.5	7.2	1.1	0.4	4.4	4.6
1969: 1st quarter	2.8	2.6	3.4	4.2	- 0.5	- 1.5	6.2	5.5	1.2	0.5	6.7	7.1	1.4	1.1	4.7	4.8
2d quarter	2.1	3.1	3.3	3.6	- 1.1	- 0.4	5.9	5.8	- 1.0	- 1.0	7.1	6.3	1.5	0.0	4.9	3.9
3d quarter	2.5	2.5	0.9	1.9	1.6	0.6	8.2	7.3	2.3	1.4	6.5	6.6	1.1	1.5	4.5	4.7
4th quarter	- 1.0	- 0.6	- 1.8	- 1.0	0.8	0.3	8.8	7.7	3.0	1.9	7.9	7.3	- 0.8	- 1.0	4.7	4.3
1970: 1st quarter	- 3.0	- 2.9	- 0.5	- 0.1	- 2.5	- 2.9	6.8	6.6	0.5	0.3	9.6	9.8	- 2.0	- 3.8	5.3	4.8
2d quarter ^p	0.1	- 0.1	- 2.9	- 3.3	3.1	3.3	5.1	5.6	- 1.3	- 0.9	1.9	2.2	8.2	9.3	4.1	4.6
3d quarter																
4th quarter																
Percent change over previous year ⁵																
Year ending -																
1969: 1st quarter	4.3	4.4	2.6	3.1	1.7	1.3	7.3	6.7	2.3	1.8	5.4	5.4	2.0	1.8	4.1	4.0
2d quarter	3.1	3.2	2.5	3.0	0.6	0.2	7.2	6.7	1.7	1.3	6.6	6.5	0.8	0.2	4.3	4.1
3d quarter	2.7	2.8	2.2	2.7	0.4	0.0	7.2	6.8	1.5	1.2	6.7	6.8	1.3	0.7	4.6	4.5
4th quarter	1.6	1.9	1.4	2.1	0.2	- 0.2	7.3	6.6	1.4	0.7	7.1	6.8	0.8	0.4	4.7	4.4
1970: 1st quarter	0.2	0.5	0.5	1.1	- 0.3	- 0.6	7.4	6.8	1.2	0.6	7.8	7.5	0.0	- 0.8	4.8	4.4
2d quarter ^p	- 0.3	- 0.3	- 1.1	- 0.6	0.8	0.3	7.2	6.8	1.1	0.7	6.4	6.5	1.6	1.4	4.6	4.6
3d quarter																
4th quarter																

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 Nonlabor payments include profits, depreciation, interest, rental income, and indirect taxes.

⁴ Percent change computed from original data.

⁵ Current quarter divided by comparable quarter a year ago.

p = preliminary.

Source: Output data from the Office of Business Economic, U.S. Department of Commerce. Man-hours and compensation of all persons from the Bureau of Labor Statistics. 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-II: 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		
	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969
ALABAMA	\$113.48	\$113.52	\$111.24	40.1	40.4	41.2	\$2.83	\$2.81	\$2.70
Birmingham	137.27	135.60	131.84	41.1	40.6	41.2	3.34	3.34	3.20
Mobile	136.95	143.99	133.35	41.5	43.9	42.2	3.30	3.28	3.16
ALASKA	(*)	206.45	171.33	(*)	40.8	40.6	(*)	5.06	4.22
ARIZONA	130.22	130.15	126.90	39.7	39.8	41.2	3.28	3.27	3.08
Phoenix	128.97	130.41	128.54	39.2	39.4	41.2	3.29	3.31	3.12
Tucson	135.79	135.22	132.19	41.4	41.1	42.1	3.28	3.29	3.14
ARKANSAS	98.00	98.40	94.48	40.0	40.0	40.9	2.45	2.46	2.31
Fort Smith	94.95	92.90	91.94	39.4	39.2	40.5	2.41	2.37	2.27
Little Rock-North Little Rock	103.89	102.57	100.45	39.5	39.3	41.0	2.63	2.61	2.45
Pine Bluff	128.96	125.24	116.33	41.2	40.4	41.4	3.13	3.10	2.81
CALIFORNIA	150.08	148.52	146.97	39.6	39.5	40.6	3.79	3.76	3.62
Anaheim-Santa Ana-Garden Grove	151.44	151.44	147.85	40.6	40.6	41.3	3.73	3.73	3.58
Bakersfield	151.22	149.71	150.06	39.9	39.5	41.8	3.79	3.79	3.59
Fresno	126.72	123.75	124.03	38.4	37.5	38.4	3.30	3.30	3.14
Los Angeles-Long Beach	144.51	142.99	143.50	39.7	39.5	41.0	3.64	3.62	3.50
Modesto-Turlock	123.34	128.63	122.10	36.6	37.5	37.0	3.37	3.43	3.30
Oxnard-Ventura	133.91	132.01	129.98	39.5	38.6	38.8	3.39	3.42	3.35
Sacramento	162.24	155.93	154.81	39.0	38.5	38.8	4.16	4.05	3.99
Salinas-Monterey	124.49	128.10	125.87	36.4	37.9	37.8	3.42	3.38	3.33
San Bernardino-Riverside-Ontario	148.00	146.89	141.20	40.0	39.7	40.0	3.70	3.70	3.53
San Diego	165.59	163.99	161.11	39.9	39.9	41.1	4.15	4.11	3.92
San Francisco-Oakland	166.60	162.51	159.19	39.2	38.6	39.5	4.25	4.21	4.03
San Jose	156.42	157.21	155.09	39.5	39.6	40.6	3.96	3.97	3.82
Santa Barbara	138.25	134.98	139.54	39.5	38.9	40.8	3.50	3.47	3.42
Santa Rosa	141.21	141.99	129.84	38.9	38.9	38.3	3.63	3.65	3.39
Stockton	152.47	145.92	147.68	39.5	38.4	39.7	3.86	3.80	3.72
Vallejo-Napa	141.38	142.07	140.94	37.6	36.9	38.3	3.76	3.85	3.68
COLORADO	141.35	143.67	138.69	40.5	40.7	41.4	3.49	3.53	3.35
Denver	144.94	148.01	141.59	40.6	41.0	41.4	3.57	3.61	3.42
CONNECTICUT	140.29	139.13	137.67	40.9	40.8	42.1	3.43	3.41	3.27
Bridgeport	140.30	142.04	139.02	40.2	40.7	42.0	3.49	3.49	3.31
Hartford	149.25	151.08	151.20	42.4	42.2	43.7	3.52	3.58	3.46
New Britain	141.00	140.13	137.61	40.4	40.5	41.7	3.49	3.46	3.30
New Haven	142.80	141.51	138.27	40.8	40.9	41.9	3.50	3.46	3.30
Stamford	155.72	152.22	146.03	42.2	42.4	42.7	3.69	3.59	3.42
Waterbury	133.31	132.16	127.98	41.4	41.3	42.1	3.22	3.20	3.04
DELAWARE	141.25	131.26	129.60	41.3	39.3	40.5	3.42	3.34	3.20
Wilmington	156.94	143.95	146.21	41.3	38.8	40.5	3.80	3.71	3.61
DISTRICT OF COLUMBIA :									
Washington SMSA	(*)	(*)	139.35	(*)	(*)	39.7	(*)	(*)	3.51
FLORIDA	118.82	118.98	112.74	41.4	41.6	41.6	2.87	2.86	2.71
Fort Lauderdale-Hollywood	126.40	124.66	110.68	40.0	39.7	40.1	3.16	3.14	2.76
Jacksonville	124.36	122.06	116.33	42.3	41.8	41.4	2.94	2.92	2.81
Miami	113.15	112.96	102.44	40.7	40.2	39.4	2.78	2.81	2.60
Orlando	124.68	121.09	115.67	42.7	41.9	43.0	2.92	2.89	2.69
Pensacola	129.16	138.44	138.03	39.5	41.7	43.0	3.27	3.32	3.21
Tampa-St. Petersburg	122.01	124.84	115.60	40.4	41.2	42.5	3.02	3.03	2.72
West Palm Beach	140.14	142.11	118.84	46.1	46.9	40.7	3.04	3.03	2.92
GEORGIA	109.48	105.20	104.33	40.7	39.4	41.4	2.69	2.67	2.52
Atlanta	137.90	130.59	130.19	40.8	39.1	41.2	3.38	3.34	3.16
Savannah	130.60	126.63	117.26	41.2	40.2	41.0	3.17	3.15	2.86
HAWAII	115.14	126.64	114.66	38.9	39.7	39.0	2.96	3.19	2.94
Honolulu	114.66	125.37	113.78	39.0	39.3	38.7	2.94	3.19	2.94
IDAHO	135.53	123.01	125.06	40.7	39.3	39.7	3.33	3.13	3.15
ILLINOIS	146.40	143.39	142.25	40.1	39.6	41.2	3.65	3.62	3.45
Chicago	(*)	144.65	144.88	(*)	39.6	41.4	(*)	3.65	3.50
Davenport-Rock Island-Moline	(*)	152.25	153.51	(*)	37.4	40.1	(*)	4.07	3.83

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-11: 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		
	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969
ILLINOIS (continued)									
Peoria	(*)	\$165.43	\$159.87	(*)	40.7	41.9	(*)	\$4.06	\$3.82
Rockford	(*)	140.17	141.64	(*)	39.2	41.7	(*)	3.58	3.39
INDIANA	\$149.23	148.80	145.79	39.9	40.0	41.3	\$3.74	3.72	3.53
Indianapolis	(*)	147.60	147.03	(*)	40.0	41.3	(*)	3.69	3.56
IOWA	144.20	143.11	137.76	39.4	39.1	40.4	3.66	3.66	3.41
Cedar Rapids	145.02	148.71	135.20	39.3	40.3	40.6	3.69	3.69	3.33
Des Moines	148.60	149.35	145.27	38.9	39.2	39.8	3.82	3.81	3.65
Dubuque	152.11	156.04	140.59	37.1	37.6	36.9	4.10	4.15	3.81
Sioux City	142.14	138.69	139.64	41.2	40.2	43.5	3.45	3.45	3.21
Waterloo	155.98	154.75	155.09	38.8	38.4	40.6	4.02	4.03	3.82
KANSAS	130.15	133.16	127.82	40.4	42.4	41.9	3.22	3.14	3.05
Topeka	97.98	134.76	142.74	30.7	43.5	42.9	3.19	3.10	3.33
Wichita	143.06	144.30	133.51	42.5	43.2	42.2	3.37	3.34	3.17
KENTUCKY	130.54	127.59	123.11	39.8	39.5	40.1	3.28	3.23	3.07
Louisville	146.03	144.54	136.04	39.9	39.6	39.6	3.66	3.65	3.43
LOUISIANA	135.11	136.03	130.24	41.7	41.6	42.7	3.24	3.27	3.05
Baton Rouge	158.50	156.91	154.14	41.6	41.4	42.0	3.81	3.79	3.67
New Orleans	134.13	136.53	133.54	40.4	41.0	41.6	3.32	3.33	3.21
Shreveport	125.15	124.01	123.81	40.9	41.2	42.4	3.06	3.01	2.92
MAINE	108.00	106.13	104.04	40.3	40.2	40.8	2.68	2.64	2.55
Lewiston-Auburn	89.30	89.65	85.70	36.9	37.2	37.1	2.42	2.41	2.31
Portland	116.57	113.20	109.33	40.9	40.0	41.1	2.85	2.83	2.66
MARYLAND	134.46	134.19	131.93	39.9	39.7	41.1	3.37	3.38	3.21
Baltimore	140.35	138.20	137.12	40.1	39.6	41.3	3.50	3.49	3.32
MASSACHUSETTS	126.80	126.47	120.80	39.5	39.4	40.0	3.21	3.21	3.02
Boston	138.20	137.11	128.77	39.6	39.4	39.5	3.49	3.49	3.26
Brockton	110.92	110.41	105.05	37.6	37.3	38.2	2.95	2.96	2.75
Fall River	93.80	93.00	93.47	35.0	34.7	36.8	2.68	2.68	2.54
Lawrence-Haverhill	121.60	119.29	113.83	40.4	40.3	40.8	3.01	2.96	2.79
Lowell	115.82	111.74	104.37	39.8	38.4	38.8	2.91	2.91	2.69
New Bedford	98.52	98.85	102.19	36.9	37.3	39.3	2.67	2.65	2.60
Springfield-Chicopee-Holyoke	127.83	127.83	124.14	39.7	39.7	40.7	3.22	3.22	3.05
Worcester	130.14	128.82	128.02	39.2	38.8	40.9	3.32	3.32	3.13
MICHIGAN	181.59	171.30	166.08	43.0	41.1	42.1	4.22	4.17	3.95
Ann Arbor	187.51	167.15	160.62	44.1	39.6	41.1	4.25	4.22	3.91
Battle Creek	165.48	166.70	160.53	40.8	41.1	42.4	4.06	4.06	3.79
Bay City	152.96	155.05	151.72	39.1	39.9	41.6	3.91	3.89	3.65
Detroit	200.03	181.08	176.38	45.7	41.4	42.4	4.38	4.37	4.16
Flint	206.59	196.06	186.49	43.9	42.1	42.5	4.71	4.66	4.39
Grand Rapids	150.01	149.37	142.88	40.4	40.6	41.2	3.71	3.68	3.47
Jackson	155.73	155.48	159.34	38.3	38.9	41.7	4.07	4.00	3.82
Kalamazoo	173.79	172.37	161.99	43.2	43.2	43.9	4.02	3.99	3.69
Lansing	184.43	174.55	173.59	41.5	40.2	41.9	4.44	4.34	4.14
Muskegon-Muskegon Heights	148.18	150.46	143.48	39.2	39.9	42.1	3.78	3.77	3.41
Saginaw	204.94	188.09	167.19	43.8	42.0	41.1	4.68	4.48	4.07
MINNESOTA	140.09	140.62	138.02	39.8	40.1	41.5	3.52	3.51	3.33
Duluth-Superior	(*)	124.55	125.96	(*)	38.3	39.5	(*)	3.25	3.19
Minneapolis-St. Paul	145.43	145.02	145.76	39.7	40.0	42.0	3.66	3.62	3.47
MISSISSIPPI	97.77	96.96	94.19	40.4	39.9	40.6	2.42	2.43	2.32
Jackson	101.50	100.36	91.13	41.6	41.3	40.5	2.44	2.43	2.25
MISSOURI	137.76	133.57	126.17	40.4	39.4	39.8	3.41	3.39	3.17
Kansas City	130.80	130.40	126.00	40.0	40.0	40.0	3.27	3.26	3.15
St. Joseph	141.10	146.36	132.80	41.5	42.3	43.4	3.40	3.46	3.06
St. Louis	156.97	151.24	143.72	41.2	39.8	40.6	3.81	3.80	3.54
Springfield	103.86	102.73	104.13	36.7	36.3	39.0	2.83	2.83	2.67
MONTANA	149.51	147.94	139.09	40.3	40.2	40.2	3.71	3.68	3.46
NEBRASKA	134.89	135.47	127.39	42.2	42.5	43.4	3.20	3.19	2.94
Lincoln	117.71	122.97	-	38.7	41.0	-	3.04	3.00	-
Omaha	138.34	138.42	128.35	41.4	41.7	41.9	3.34	3.32	3.06

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-II: 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		
	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969	June 1970 ^P	May 1970	June 1969
NEVADA.....	\$157.14	\$154.39	\$159.17	38.8	38.5	40.5	\$4.05	\$4.01	\$3.93
NEW HAMPSHIRE.....	108.53	108.42	104.14	38.9	39.0	39.9	2.79	2.78	2.61
Manchester.....	99.30	99.56	93.59	37.9	38.0	38.2	2.62	2.62	2.45
NEW JERSEY.....	139.94	138.04	133.40	40.8	40.6	41.3	3.43	3.40	3.23
Atlantic City.....	110.12	105.42	106.13	39.9	38.9	39.6	2.76	2.71	2.68
Camden ¹	136.57	137.26	135.22	39.7	39.9	41.1	3.44	3.44	3.29
Jersey City ²	142.62	141.58	137.76	41.1	40.8	42.0	3.47	3.47	3.28
Newark ²	137.76	135.54	132.19	39.7	39.4	40.8	3.47	3.44	3.24
Paterson-Clifton-Passaic ²	138.98	134.98	133.49	40.4	39.7	41.2	3.44	3.40	3.24
Perth Amboy ²	143.50	141.29	139.52	41.0	40.6	41.4	3.50	3.48	3.37
Trenton.....	135.01	133.23	123.95	40.3	39.3	39.6	3.35	3.39	3.13
NEW MEXICO.....	101.52	106.26	104.75	38.6	38.5	40.6	2.63	2.76	2.58
Albuquerque.....	114.34	116.82	113.52	39.7	39.6	40.4	2.88	2.95	2.81
NEW YORK.....	134.55	133.43	128.48	39.0	38.9	39.9	3.45	3.43	3.22
Albany-Schenectady-Troy.....	148.51	147.38	141.52	40.8	40.6	41.5	3.64	3.63	3.41
Binghamton.....	134.31	134.97	128.93	40.7	40.9	40.8	3.30	3.30	3.16
Buffalo.....	163.14	157.95	153.50	41.3	40.5	41.6	3.95	3.90	3.69
Elmira.....	123.91	127.91	122.51	38.6	39.6	40.3	3.21	3.23	3.04
Monroe County ³	161.54	161.93	152.40	41.0	41.1	41.3	3.94	3.94	3.69
Nassau and Suffolk Counties ⁴	136.57	135.14	127.80	39.7	39.4	40.7	3.44	3.43	3.14
New York-Northeastern New Jersey.....	(*)	(*)	127.36	(*)	(*)	39.8	(*)	(*)	3.20
New York SMSA ²	127.43	126.67	122.54	37.7	37.7	38.9	3.38	3.36	3.15
New York City ⁴	124.99	124.58	120.96	37.2	37.3	38.4	3.36	3.34	3.15
Rochester.....	157.47	157.85	148.32	40.9	41.0	41.2	3.85	3.85	3.60
Rockland County ⁴	132.60	136.12	128.85	39.7	41.0	41.7	3.34	3.32	3.09
Syracuse.....	141.50	140.70	138.43	40.2	40.2	41.2	3.52	3.50	3.36
Utica-Rome.....	124.02	123.63	119.50	39.0	39.0	40.1	3.18	3.17	2.98
Westchester County ⁴	134.35	134.75	131.46	39.4	39.4	40.7	3.41	3.42	3.23
NORTH CAROLINA.....	96.62	95.40	93.89	39.6	39.1	41.0	2.44	2.44	2.29
Asheville.....	90.68	91.15	93.56	38.1	38.3	41.4	2.38	2.38	2.26
Charlotte.....	105.78	103.97	99.12	41.0	40.3	41.3	2.58	2.58	2.40
Greensboro-Winston-Salem-High Point.....	107.17	104.61	101.96	39.4	38.6	40.3	2.72	2.71	2.53
Raleigh.....	98.11	99.04	95.99	39.4	39.3	40.5	2.49	2.52	2.37
NORTH DAKOTA.....	120.25	118.13	110.07	40.3	39.5	39.7	2.99	2.99	2.77
Fargo-Moorhead.....	133.27	134.43	124.71	40.0	40.0	40.1	3.33	3.36	3.11
OHIO.....	157.38	154.28	153.61	41.2	40.6	42.2	3.82	3.80	3.64
Akron.....	156.42	155.23	169.85	39.4	39.1	43.0	3.97	3.97	3.95
Canton.....	154.60	150.40	150.18	40.9	40.0	41.6	3.78	3.76	3.61
Cincinnati.....	151.11	147.70	140.28	41.4	40.8	42.0	3.65	3.62	3.34
Cleveland.....	160.27	154.77	161.94	41.2	40.2	43.3	3.89	3.85	3.74
Columbus.....	145.52	146.69	141.86	40.2	40.3	41.0	3.62	3.64	3.46
Dayton.....	176.82	174.72	173.34	41.9	41.5	42.8	4.22	4.21	4.05
Toledo.....	170.93	168.04	165.59	42.1	41.8	42.9	4.06	4.02	3.86
Youngstown-Warren.....	161.20	156.81	161.02	40.1	39.3	41.5	4.02	3.99	3.88
OKLAHOMA.....	125.87	124.54	120.72	41.0	40.7	41.2	3.07	3.06	2.93
Oklahoma City.....	126.79	123.62	117.31	41.3	40.8	41.6	3.07	3.03	2.82
Tulsa.....	139.78	139.86	132.39	41.6	41.5	41.5	3.36	3.37	3.19
OREGON.....	147.84	146.64	139.16	38.6	39.0	39.2	3.83	3.76	3.55
Eugene.....	162.00	155.16	140.04	40.4	40.3	38.9	4.01	3.85	3.60
Portland.....	142.88	144.39	141.80	37.6	38.3	39.5	3.80	3.77	3.59
PENNSYLVANIA.....	131.93	130.54	128.07	39.5	39.2	40.4	3.34	3.33	3.17
Allentown-Bethlehem-Easton.....	126.34	127.10	123.47	38.4	38.4	39.7	3.29	3.31	3.11
Altoona.....	109.24	108.11	107.06	38.6	38.2	39.9	2.83	2.83	2.69
Erie.....	142.54	143.30	136.73	41.8	41.9	42.2	3.41	3.42	3.24
Harrisburg.....	122.40	124.12	118.61	40.0	40.3	40.9	3.06	3.08	2.90
Johnstown.....	131.95	125.24	127.87	37.7	36.3	38.4	3.50	3.45	3.33
Lancaster.....	121.18	120.99	115.26	39.6	39.8	40.3	3.06	3.04	2.86
Philadelphia.....	139.79	139.04	136.49	39.6	39.5	40.5	3.53	3.52	3.37
Pittsburgh.....	151.10	149.97	146.52	40.4	40.1	40.7	3.74	3.74	3.60
Reading.....	122.89	121.44	114.80	39.9	39.3	40.0	3.08	3.09	2.87
Scranton.....	102.76	103.32	99.46	36.7	36.9	38.4	2.80	2.80	2.59
Wilkes-Barre-Hazleton.....	96.37	97.19	94.00	35.3	35.6	37.3	2.73	2.73	2.52
York.....	123.43	123.55	120.70	41.7	41.6	42.5	2.96	2.97	2.84

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-11: 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		
	June ^p 1970	May 1970	June 1969	June ^p 1970	May 1970	June 1969	June ^p 1970	May 1970	June 1969
RHODE ISLAND	\$111.72	\$111.50	\$107.33	39.2	39.4	40.2	\$2.85	\$2.83	\$2.67
Providence-Pawtucket-Warwick	112.39	110.93	108.54	39.3	39.2	40.2	2.86	2.83	2.70
SOUTH CAROLINA	100.44	99.85	97.29	40.5	40.1	41.4	2.48	2.49	2.35
Charleston	121.10	119.39	112.07	40.1	40.2	40.9	3.02	2.97	2.74
Greenville	98.49	97.11	97.71	40.2	39.8	42.3	2.45	2.44	2.31
SOUTH DAKOTA	131.42	132.76	123.88	44.7	44.7	44.4	2.94	2.97	2.79
Sioux Falls	154.30	162.35	141.37	46.9	48.9	45.9	3.29	3.32	3.08
TENNESSEE	108.27	107.33	105.15	40.1	39.9	40.6	2.70	2.69	2.59
Chattanooga	115.78	114.84	113.29	40.2	39.6	40.9	2.88	2.90	2.77
Knoxville	118.21	117.89	117.16	39.8	40.1	40.4	2.97	2.94	2.90
Memphis	122.82	119.99	115.62	40.4	40.4	41.0	3.04	2.97	2.82
Nashville	114.16	117.41	114.49	39.5	39.8	40.6	2.89	2.95	2.82
TEXAS	129.11	127.98	123.97	40.6	40.5	41.6	3.18	3.16	2.98
Amarillo	114.49	113.83	108.67	40.6	40.8	40.7	2.82	2.79	2.67
Austin	114.73	116.04	100.80	39.7	43.3	40.0	2.89	2.68	2.52
Beaumont-Port Arthur-Orange	172.64	169.33	167.58	41.4	40.9	42.0	4.17	4.14	3.99
Corpus Christi	155.30	150.12	144.40	42.2	41.7	42.1	3.68	3.60	3.43
Dallas	123.22	121.81	118.82	40.4	40.2	41.4	3.05	3.03	2.87
El Paso	84.63	83.16	86.28	39.0	38.5	40.7	2.17	2.16	2.12
Fort Worth	134.23	133.25	133.88	40.8	40.5	42.5	3.29	3.29	3.15
Galveston-Texas City	194.85	193.52	188.33	43.3	43.1	43.9	4.50	4.49	4.29
Houston	154.09	153.97	143.65	42.1	42.3	42.5	3.66	3.64	3.38
Lubbock	101.20	99.59	103.01	40.0	38.6	43.1	2.53	2.58	2.39
San Antonio	105.57	106.17	100.53	41.4	41.8	41.2	2.55	2.54	2.44
Waco	110.12	109.73	102.11	39.9	39.9	38.1	2.76	2.75	2.68
Wichita Falls	97.36	97.57	100.32	39.9	39.5	41.8	2.44	2.47	2.40
UTAH	134.85	130.90	133.17	39.2	38.5	40.6	3.44	3.40	3.28
Salt Lake City	125.78	123.12	124.49	38.0	38.0	39.9	3.31	3.24	3.12
VERMONT	116.80	117.62	116.62	40.0	40.7	42.1	2.92	2.89	2.77
Burlington	136.96	130.73	134.84	42.8	41.5	45.4	3.20	3.15	2.97
Springfield	106.24	131.47	128.64	33.2	39.6	41.1	3.20	3.32	3.13
VIRGINIA	111.24	109.07	107.64	40.6	40.1	41.4	2.74	2.72	2.60
Lynchburg	104.54	107.06	101.92	39.6	40.4	41.6	2.64	2.65	2.45
Norfolk-Portsmouth	126.56	118.56	112.44	42.9	41.6	41.8	2.95	2.85	2.69
Richmond	126.58	121.18	118.82	40.7	39.6	41.4	3.11	3.06	2.87
Roanoke	103.28	102.76	102.12	40.5	40.3	42.2	2.55	2.55	2.42
WASHINGTON	160.72	159.58	152.02	39.2	39.5	39.9	4.10	4.04	3.81
Seattle-Everett	166.32	170.13	158.79	39.6	40.7	40.2	4.20	4.18	3.95
Spokane	(*)	148.21	146.37	(*)	38.1	40.1	(*)	3.89	3.65
Tacoma	154.39	154.03	147.00	38.5	38.7	39.2	4.01	3.98	3.75
WEST VIRGINIA	135.32	134.58	128.56	39.8	39.7	40.3	3.40	3.39	3.19
Charleston	163.90	167.11	155.03	41.6	42.2	41.9	3.94	3.96	3.70
Huntington-Ashland	141.41	137.83	140.35	39.5	38.5	40.8	3.58	3.58	3.44
Wheeling	135.80	135.77	130.25	38.8	39.7	40.2	3.50	3.42	3.24
WISCONSIN	145.70	144.96	140.06	40.5	40.3	41.5	3.60	3.60	3.37
Green Bay	152.31	152.35	141.65	42.6	42.2	42.4	3.57	3.61	3.34
Kenosha	155.26	155.59	164.17	39.0	39.1	42.8	3.98	3.98	3.84
La Crosse	123.43	120.47	115.34	40.7	40.0	40.5	3.03	3.01	2.85
Madison	164.81	157.84	151.06	40.5	40.1	41.4	4.07	3.94	3.65
Milwaukee	156.46	156.75	149.68	40.1	40.2	41.1	3.90	3.90	3.64
Racine	149.97	147.57	140.76	40.2	39.8	40.4	3.73	3.71	3.49
WYOMING	129.62	136.00	122.43	37.9	40.0	38.5	3.42	3.40	3.18
Casper	143.11	161.63	152.18	40.2	42.2	40.8	3.56	3.83	3.73
Cheyenne	109.97	109.05	114.08	34.8	34.4	36.8	3.16	3.17	3.10

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.
 p = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
LABOR TURNOVER**
**D-1: Labor turnover rates in manufacturing
1959 to date**

(Per 100 employees)

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

p = preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2: Labor turnover rates, by industry

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		June, 1970 ^P	May 1970	June, 1970 ^P	May 1970	June, 1970 ^P	May 1970	June, 1970 ^P	May 1970	June, 1970 ^P	May 1970
	MANUFACTURING	5.4	4.2	4.0	2.8	4.4	4.6	2.1	2.1	1.3	1.5
19,24,25,32-39	DURABLE GOODS	4.9	3.7	3.5	2.4	4.3	4.4	1.9	1.8	1.4	1.7
20-23,26-31	NONDURABLE GOODS	6.1	4.8	4.6	3.4	4.5	4.8	2.5	2.6	1.2	1.3
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	-	1.9	-	1.0	-	4.1	-	1.1	-	2.4
192	Ammunition, except for small arms	-	1.8	-	.9	-	4.4	-	1.0	-	2.6
24	LUMBER AND WOOD PRODUCTS	7.6	6.8	6.2	5.0	5.4	5.2	3.3	3.4	1.3	.9
242	Sawmills and planing mills	-	5.7	-	4.5	-	5.0	-	3.3	-	.9
2421	Sawmills and planing mills, general	-	5.8	-	4.5	-	4.6	-	3.1	-	.7
243	Millwork, plywood & related products	-	6.2	-	4.6	-	4.5	-	2.9	-	.8
2431	Millwork	-	6.0	-	4.4	-	3.9	-	2.7	-	.4
2432	Veneer and plywood	-	4.3	-	3.4	-	5.0	-	2.6	-	1.5
244	Wooden containers	-	8.8	-	8.0	-	8.3	-	5.3	-	1.9
2441,2	Wooden boxes, shooks, and crates	-	9.1	-	8.2	-	8.0	-	5.1	-	1.8
249	Miscellaneous wood products	-	5.7	-	4.8	-	6.2	-	4.0	-	1.2
25	FURNITURE AND FIXTURES	5.3	4.7	4.1	3.5	4.8	6.0	2.7	3.4	1.1	1.5
251	Household furniture	-	4.6	-	3.8	-	6.4	-	3.7	-	1.4
2511	Wood household furniture	-	4.8	-	3.7	-	6.9	-	3.8	-	1.9
2512	Upholstered household furniture	-	2.6	-	2.3	-	4.0	-	2.4	-	.8
2515	Mattresses and bedsprings	-	6.2	-	5.6	-	7.3	-	4.4	-	1.3
252	Office furniture	-	2.6	-	1.9	-	5.3	-	2.3	-	2.2
32	STONE, CLAY, AND GLASS PRODUCTS	6.4	5.0	5.0	3.7	4.7	4.6	2.5	2.4	1.3	1.2
321	Flat glass	-	5.0	-	.5	-	3.6	-	.3	-	2.4
322	Glass and glassware, pressed or blown	-	4.6	-	3.4	-	4.2	-	2.1	-	.9
3221	Glass containers	-	5.9	-	4.9	-	4.1	-	2.8	-	.3
3229	Pressed and blown glass, n e c	-	2.8	-	1.4	-	4.3	-	1.2	-	1.7
324	Cement, hydraulic	-	2.5	-	1.9	-	1.5	-	.6	-	.3
325	Structural clay products	-	6.3	-	5.3	-	5.5	-	3.8	-	.8
3251	Brick and structural clay tile	-	7.1	-	5.8	-	6.4	-	4.8	-	.9
326	Pottery and related products	-	4.6	-	3.1	-	5.9	-	2.7	-	2.3
3291	Abrasive products	-	2.6	-	1.9	-	2.8	-	1.3	-	.8
33	PRIMARY METAL INDUSTRIES	5.2	3.6	3.9	2.2	3.3	3.7	1.5	1.4	.7	1.2
331	Blast furnace and basic steel products	-	3.3	-	1.9	-	2.7	-	.9	-	.8
3312	Blast furnaces and steel mills	-	3.2	-	1.9	-	2.6	-	.9	-	.8
332	Iron and steel foundries	-	5.0	-	3.4	-	5.5	-	2.7	-	1.5
3321	Gray iron foundries	-	4.6	-	3.1	-	5.6	-	2.7	-	1.7
3322	Malleable iron foundries	-	5.2	-	4.0	-	7.0	-	3.0	-	2.6
3323	Steel foundries	-	5.7	-	4.0	-	4.8	-	2.6	-	.6
333,4	Nonferrous metals	-	3.2	-	2.7	-	2.6	-	1.4	-	.3
335	Nonferrous rolling and drawing	-	2.8	-	1.2	-	3.7	-	1.1	-	1.8
3351	Copper rolling and drawing	-	2.1	-	.8	-	2.4	-	.8	-	.8
3352	Aluminum rolling and drawing	-	2.1	-	1.1	-	4.0	-	1.2	-	1.8
3357	Nonferrous wire drawing, and insulating	-	4.0	-	1.5	-	4.6	-	1.2	-	2.7
336	Nonferrous foundries	-	5.6	-	3.2	-	7.1	-	2.6	-	3.1
3361	Aluminum castings	-	6.7	-	3.7	-	7.5	-	3.1	-	2.8
3362,9	Other nonferrous castings	-	4.3	-	2.5	-	6.7	-	2.1	-	3.4
339	Miscellaneous primary metal products	-	3.2	-	1.7	-	4.5	-	1.5	-	1.8
3391	Iron and steel forgings	-	3.2	-	2.0	-	4.3	-	1.3	-	1.5

See footnotes at end of table.

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970
	<i>Durable Goods--Continued</i>										
34	FABRICATED METAL PRODUCTS	-	4.7	-	3.1	-	4.8	-	2.2	-	1.5
341	Metal cans	-	8.0	-	4.2	-	5.1	-	1.3	-	1.9
342	Cutlery, hand tools, and hardware	-	3.2	-	1.9	-	4.6	-	1.7	-	2.0
3421,3,5	Cutlery and hand tools, incl. saws	-	2.4	-	2.0	-	4.8	-	2.0	-	1.9
3429	Hardware, n e c	-	3.8	-	1.9	-	4.5	-	1.6	-	2.2
343	Plumbing and heating, except electric	-	4.3	-	3.1	-	4.4	-	2.2	-	1.1
3431,2	Sanitary ware & plumbers' brass goods	-	3.9	-	2.7	-	4.5	-	2.2	-	1.0
3433	Heating equipment, except electric	-	4.7	-	3.5	-	4.3	-	2.1	-	1.1
344	Fabricated structural metal products	-	5.3	-	4.2	-	4.8	-	2.5	-	1.1
3441	Fabricated structural steel	-	5.0	-	4.1	-	5.8	-	3.0	-	1.5
3443	Fabricated plate work (boiler shops)	-	3.2	-	2.7	-	3.5	-	1.9	-	.6
3446,9	Architectural and misc. metal work	-	6.0	-	4.6	-	5.2	-	2.9	-	1.1
345	Screw machine products, bolts, etc.	-	3.3	-	2.0	-	4.5	-	2.0	-	1.4
3452	Bolts, nuts, rivets, and washers	-	3.1	-	1.3	-	3.5	-	1.5	-	1.2
346	Metal stampings	-	4.4	-	1.8	-	4.0	-	1.5	-	1.7
348	Misc. fabricated wire products	-	4.4	-	3.1	-	6.3	-	3.1	-	1.7
349	Misc. fabricated metal products	-	3.7	-	2.8	-	4.6	-	2.2	-	1.3
3494,8	Valves, pipe, and pipe fittings	-	3.1	-	2.4	-	4.7	-	2.0	-	1.6
35	MACHINERY, EXCEPT ELECTRICAL	3.6	2.6	2.6	1.7	3.5	4.1	1.4	1.4	1.2	1.8
351	Engines and turbines	-	3.6	-	1.7	-	9.3	-	.8	-	7.3
3511	Steam engines and turbines	-	2.1	-	1.2	-	1.9	-	.8	-	.1
3519	Internal combustion engines, n e c	-	4.5	-	1.9	-	13.7	-	.9	-	11.5
352	Farm machinery	-	3.6	-	1.4	-	5.6	-	1.5	-	3.0
353	Construction and related machinery	-	2.3	-	1.8	-	3.4	-	1.4	-	1.0
3531,2	Construction and mining machinery	-	1.8	-	1.5	-	3.2	-	1.1	-	1.0
3533	Oil field machinery	-	3.0	-	2.8	-	3.9	-	2.1	-	.7
3535,6	Conveyors, hoists, cranes, monorails	-	2.4	-	2.0	-	3.1	-	1.4	-	.8
354	Metal working machinery	-	1.9	-	1.3	-	4.1	-	1.1	-	2.2
3541	Machine tools, metal cutting types	-	1.1	-	.8	-	3.6	-	1.1	-	1.8
3545	Machine tool accessories	-	1.7	-	1.2	-	3.4	-	1.1	-	1.7
3542,8	Misc. metal working machinery	-	1.6	-	1.1	-	3.0	-	1.2	-	1.3
355	Special industry machinery	-	1.9	-	1.4	-	3.7	-	1.4	-	1.6
3551	Food products machinery	-	2.2	-	1.5	-	2.7	-	1.3	-	.7
3552	Textile machinery	-	2.1	-	1.6	-	3.8	-	1.7	-	1.5
356	General industrial machinery	-	2.5	-	1.6	-	3.5	-	1.4	-	1.4
3561	Pumps and compressors	-	2.7	-	2.0	-	3.5	-	1.5	-	1.2
3562	Ball and roller bearings	-	2.5	-	.9	-	3.4	-	1.1	-	1.8
3566	Power transmission equipment	-	1.7	-	1.1	-	3.2	-	1.4	-	1.0
357	Office and computing machines	-	2.1	-	1.6	-	2.5	-	1.1	-	.6
3573	Electronic computing equipment	-	2.0	-	1.6	-	2.2	-	1.2	-	.4
358	Service industry machines	-	4.6	-	3.2	-	4.0	-	2.1	-	.9
3585	Refrigeration machinery	-	4.9	-	3.7	-	4.0	-	2.4	-	.6
36	ELECTRICAL EQUIPMENT AND SUPPLIES	4.2	3.1	2.9	1.9	4.5	4.0	1.8	1.7	1.7	1.4
361	Electric test & distributing equipment	-	3.0	-	2.2	-	3.9	-	2.1	-	.9
3611	Electric measuring instruments	-	2.4	-	1.9	-	4.1	-	1.6	-	1.5
3612	Transformers	-	3.5	-	2.8	-	3.5	-	1.9	-	.6
3613	Switchgear and switchboard apparatus	-	3.2	-	2.1	-	4.2	-	2.6	-	.5
362	Electrical industrial apparatus	-	2.9	-	1.9	-	3.5	-	1.6	-	1.0
3621	Motors and generators	-	3.2	-	1.9	-	3.6	-	1.5	-	1.1
3622	Industrial controls	-	2.2	-	1.6	-	3.2	-	1.7	-	.7
363	Household appliances	-	4.5	-	3.0	-	3.8	-	2.0	-	.7
3632	Household refrigerators and freezers	-	5.3	-	3.7	-	3.9	-	1.8	-	.7
3633	Household laundry equipment	-	3.6	-	2.9	-	2.4	-	1.2	-	.5
3634	Electric housewares and fans	-	5.1	-	2.9	-	4.5	-	2.8	-	.7
364	Electric lighting and wiring equipment	-	3.8	-	2.5	-	4.5	-	2.2	-	1.1
3641	Electric lamps	-	2.2	-	1.6	-	2.7	-	1.4	-	.6
3642	Lighting fixtures	-	5.3	-	3.1	-	4.6	-	2.0	-	1.2
3643,4	Wiring devices	-	3.7	-	2.6	-	5.3	-	2.7	-	1.2
365	Radio and TV receiving equipment	-	4.7	-	1.6	-	5.6	-	1.8	-	2.7
366	Communication equipment	-	1.9	-	1.3	-	2.9	-	1.1	-	1.3
3661	Telephone and telegraph apparatus	-	2.5	-	2.2	-	2.1	-	1.5	-	.1
3662	Radio and TV communication equipment	-	1.7	-	.9	-	3.4	-	1.0	-	1.8
367	Electronic components and accessories	-	2.8	-	1.6	-	5.3	-	1.8	-	2.1
3671-3	Electron tubes	-	2.4	-	1.2	-	3.2	-	1.4	-	.7
3674,9	Other electronic components	-	2.9	-	1.7	-	5.8	-	1.8	-	2.4
369	Misc. electrical equipment & supplies	-	3.7	-	1.8	-	3.3	-	1.4	-	1.0
3694	Engine electrical equipment	-	3.5	-	.9	-	2.8	-	.9	-	.9

See footnotes at end of table.

ESTABLISHMENT DATA
LABOR TURNOVER

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT	-	3.5	-	1.6	-	4.8	-	1.3	-	2.7
371	Motor vehicles and equipment	-	4.2	-	1.4	-	4.7	-	1.0	-	2.8
3711	Motor vehicles	-	4.2	-	1.3	-	4.8	-	.9	-	3.0
3712	Passenger car bodies	-	4.9	-	1.1	-	9.3	-	.3	-	8.2
3713	Truck and bus bodies	-	5.8	-	4.4	-	4.5	-	2.5	-	.4
3714	Motor vehicle parts and accessories	-	3.9	-	1.1	-	3.8	-	.9	-	2.0
372	Aircraft and parts	-	1.3	-	.6	-	3.1	-	.8	-	1.9
3721	Aircraft	-	1.0	-	.4	-	3.1	-	.7	-	2.1
3722	Aircraft engines and engine parts	-	1.5	-	.8	-	2.5	-	.9	-	1.2
3723,9	Other aircraft parts and equipment	-	1.9	-	1.2	-	3.7	-	1.1	-	2.1
373	Ship and boat building and repairing	-	6.3	-	3.5	-	8.7	-	2.7	-	4.7
3731	Ship building and repairing	-	7.0	-	3.6	-	8.3	-	2.1	-	4.7
374	Railroad equipment	-	4.8	-	2.3	-	9.0	-	1.5	-	6.1
375,9	Other transportation equipment	-	7.9	-	6.6	-	8.3	-	3.8	-	1.9
38	INSTRUMENTS AND RELATED PRODUCTS	4.0	2.6	2.9	1.8	4.1	3.3	1.9	1.4	1.1	1.1
381	Engineering & scientific instruments	-	1.6	-	1.0	-	3.5	-	1.1	-	1.6
382	Mechanical measuring & control devices	-	2.7	-	1.9	-	3.6	-	1.4	-	1.3
3821	Mechanical measuring devices	-	2.6	-	2.2	-	3.5	-	1.4	-	1.4
3822	Automatic temperature controls	-	2.8	-	1.3	-	3.8	-	1.5	-	1.0
383,5	Optical and ophthalmic goods	-	2.3	-	1.8	-	4.1	-	1.7	-	1.6
384	Medical instruments and supplies	-	4.0	-	2.8	-	3.2	-	1.8	-	.4
386	Photographic equipment and supplies	-	1.9	-	1.6	-	2.0	-	1.0	-	.5
387	Watches, clocks, and watchcases	-	3.6	-	1.7	-	5.1	-	1.9	-	1.7
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	7.1	5.4	5.3	4.0	5.8	6.0	2.9	2.9	1.8	2.1
391	Jewelry, silverware, and plated ware	-	2.8	-	2.2	-	5.3	-	2.5	-	2.0
394	Toys and sporting goods	-	8.6	-	6.1	-	7.6	-	3.9	-	2.3
3941-3	Games, toys, dolls, & play vehicles	-	10.9	-	7.9	-	8.3	-	4.1	-	2.6
3949	Sporting and athletic goods, n e c	-	5.7	-	3.9	-	6.7	-	3.5	-	1.9
395	Pens, pencils, office and art supplies	-	3.2	-	2.1	-	4.1	-	2.0	-	1.2
396	Costume jewelry and notions	-	4.8	-	3.9	-	5.0	-	2.6	-	1.8
393,9	Other manufacturing industries	-	4.5	-	3.4	-	5.8	-	2.6	-	2.3
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	9.2	6.9	6.9	5.0	5.9	6.2	3.1	3.1	2.1	2.2
201	Meat products	-	8.0	-	5.2	-	7.2	-	3.8	-	2.4
2011	Meat packing plants	-	7.0	-	3.5	-	6.8	-	2.1	-	4.0
2015	Poultry dressing plants	-	12.4	-	10.0	-	9.8	-	8.4	-	.2
204	Grain mill products	-	5.0	-	3.8	-	4.0	-	2.1	-	1.0
2041	Flour and other grain mill products	-	3.8	-	2.4	-	4.3	-	1.9	-	1.9
2042	Prepared feeds for animals and fowls	-	6.0	-	4.9	-	4.4	-	2.6	-	.6
205	Bakery products	-	5.4	-	4.4	-	4.3	-	2.6	-	.9
2051	Bread, cake, and related products	-	5.5	-	4.8	-	4.1	-	2.8	-	.6
2052	Cookies and crackers	-	5.1	-	2.5	-	5.1	-	1.8	-	2.6
207	Confectionery and related products	-	7.2	-	4.4	-	7.1	-	3.3	-	2.9
2071	Confectionery products	-	8.0	-	4.7	-	7.9	-	3.5	-	3.4
208	Beverages	-	6.4	-	4.7	-	5.1	-	2.7	-	1.7
2082	Malt liquors	-	5.0	-	1.9	-	3.4	-	.5	-	2.3
21	TOBACCO MANUFACTURES	4.7	3.7	2.8	2.6	2.2	3.6	1.3	2.0	.3	.8
211	Cigarettes	-	2.4	-	1.7	-	1.5	-	.9	-	(1)
212	Cigars	-	4.8	-	4.0	-	5.3	-	4.1	-	.3

See footnotes at end of table.

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

		(Per 100 employees)											
SIC Code	Industry	Accession rates				Separation rates							
		Total		New hires		Total		Quits		Layoffs			
		June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970		
	<i>Nondurable Goods--Continued</i>												
22	TEXTILE MILL PRODUCTS	5.5	4.9	4.3	3.8	5.0	5.3	3.2	3.6	0.7	0.7		
221	Weaving mills, cotton.....	-	5.1	-	4.0	-	5.2	-	4.0	-			.1
222	Weaving mills, synthetics.....	-	4.4	-	3.4	-	4.9	-	3.2	-			.6
223	Weaving and finishing mills, wool.....	-	4.2	-	3.3	-	4.6	-	3.0	-			.6
224	Narrow fabric mills.....	-	3.7	-	3.1	-	4.5	-	2.9	-			.9
225	Knitting mills.....	-	5.0	-	3.8	-	4.9	-	3.4	-			.8
2251	Women's hosiery, except socks.....	-	4.0	-	3.2	-	3.8	-	3.0	-			.3
2252	Hosiery, n e c.....	-	4.7	-	3.7	-	5.1	-	3.8	-			.6
2254	Knit underwear mills.....	-	3.5	-	2.5	-	4.0	-	3.0	-			.3
226	Textile finishing, except wool.....	-	4.1	-	3.1	-	3.9	-	2.5	-			.6
227	Floor covering mills.....	-	3.7	-	3.0	-	4.5	-	2.6	-			.8
228	Yarn and thread mills.....	-	6.3	-	5.1	-	7.3	-	5.4	-			.8
229	Miscellaneous textile goods.....	-	4.4	-	3.1	-	6.0	-	2.8	-			1.8
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.4	5.9	4.3	3.6	5.5	6.0	2.9	3.0	1.8	2.2		
231	Men's and boys' suits and coats.....	-	3.6	-	1.7	-	3.4	-	1.5	-			1.4
232	Men's and boys' furnishings.....	-	6.0	-	4.9	-	5.5	-	4.2	-			.5
2321	Men's and boys' shirts and nightwear.....	-	6.5	-	5.3	-	5.7	-	4.5	-			.4
2327	Men's and boys' separate trousers.....	-	5.5	-	4.6	-	5.3	-	4.0	-			.4
2328	Men's and boys' work clothing.....	-	5.7	-	4.8	-	5.6	-	4.4	-			.4
234	Women's and children's undergarments.....	-	4.0	-	3.0	-	5.5	-	3.3	-			1.3
2341	Women's and children's underwear.....	-	4.5	-	3.4	-	6.1	-	3.8	-			1.3
2342	Corsets and allied garments.....	-	3.0	-	2.0	-	4.2	-	2.3	-			1.3
26	PAPER AND ALLIED PRODUCTS	5.1	3.4	3.9	2.6	3.2	3.5	1.7	1.9	.6	.8		
261,2,6	Paper and pulp mills.....	-	2.2	-	1.7	-	2.0	-	.8	-			.6
263	Paperboard mills.....	-	2.5	-	2.1	-	2.6	-	1.5	-			.6
264	Misc. converted paper products.....	-	3.6	-	2.7	-	3.9	-	2.3	-			.8
2643	Bags, except textile bags.....	-	5.0	-	3.7	-	5.5	-	3.7	-			1.0
265	Paperboard containers and boxes.....	-	4.7	-	3.7	-	5.0	-	2.8	-			1.1
2651,2	Folding and setup paperboard boxes.....	-	5.0	-	4.1	-	5.3	-	2.8	-			1.3
2653	Corrugated and solid fiber boxes.....	-	3.7	-	3.2	-	4.3	-	2.8	-			.6
27	PRINTING AND PUBLISHING	4.2	3.0	3.4	2.4	3.2	3.4	2.0	2.0	.6	.7		
28	CHEMICALS AND ALLIED PRODUCTS	3.7	2.4	3.2	1.8	2.5	2.5	1.2	1.2	.6	.6		
281	Industrial chemicals.....	-	1.6	-	1.2	-	1.6	-	.7	-			.2
282	Plastics materials and synthetics.....	-	1.4	-	1.1	-	1.9	-	.8	-			.6
2821	Plastics materials and resins.....	-	1.7	-	1.5	-	1.8	-	.9	-			.3
2823,4	Synthetic fibers.....	-	1.2	-	.7	-	2.1	-	.7	-			.8
283	Drugs.....	-	2.3	-	2.0	-	1.9	-	1.1	-			.3
2834	Pharmaceutical preparations.....	-	2.5	-	2.0	-	2.0	-	1.2	-			.3
284	Soap, cleaners, and toilet goods.....	-	3.8	-	2.4	-	2.8	-	1.4	-			.5
2841	Soap and other detergents.....	-	3.2	-	1.8	-	1.7	-	.6	-			.5
2844	Toilet preparations.....	-	4.2	-	2.8	-	3.9	-	1.9	-			.8
285	Paints and allied products.....	-	3.4	-	2.6	-	2.8	-	1.6	-			.5
286,9	Other chemical products.....	-	2.9	-	1.8	-	3.5	-	1.4	-			1.2
29	PETROLEUM AND COAL PRODUCTS	4.4	2.9	4.0	2.5	2.5	2.4	1.1	1.0	.8	.7		
291	Petroleum refining.....	-	1.8	-	1.6	-	1.8	-	.6	-			.7
295,9	Other petroleum and coal products.....	-	7.4	-	6.1	-	4.7	-	2.6	-			.6
30	RUBBER AND PLASTICS PRODUCTS, N E C.	6.4	4.9	5.0	3.5	5.3	5.1	2.8	2.8	1.1	1.2		
301	Tires and inner tubes.....	-	2.4	-	1.7	-	1.9	-	.9	-			.2
302,3,6	Other rubber products.....	-	4.0	-	2.5	-	4.7	-	2.2	-			1.4
307	Miscellaneous plastics products.....	-	6.3	-	4.6	-	6.4	-	3.7	-			1.5

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970	June 1970 ^P	May 1970
	<i>Nondurable Goods--Continued</i>										
31	LEATHER AND LEATHER PRODUCTS	6.6	5.9	4.9	4.3	5.2	5.9	3.1	3.4	1.0	1.5
311	Leather tanning and finishing	-	5.1	-	4.2	-	4.6	-	2.8	-	1.0
314	Footwear, except rubber	-	6.0	-	4.3	-	5.4	-	3.3	-	1.0
	NONMANUFACTURING										
10	METAL MINING	6.9	4.0	6.0	3.3	2.8	3.1	1.5	2.0	.3	.4
101	Iron ores	-	3.6	-	2.3	-	2.1	-	.8	-	.8
102	Copper ores	-	3.4	-	2.6	-	2.4	-	1.6	-	(1)
11,12	COAL MINING	2.4	2.2	2.1	1.7	.8	1.4	.3	.9	.2	.2
12	Bituminous coal and lignite mining	2.4	2.2	2.1	1.8	.8	1.4	.3	.8	.2	.2
	COMMUNICATION:										
481	Telephone communication	-	2.8	-	-	-	2.0	-	1.5	-	.1
482	Telegraph communication ²	-	2.5	-	-	-	2.6	-	1.6	-	.4

¹ Less than 0.05.

² Data relate to all employees except messengers.

P=preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED LABOR TURNOVER

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

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

p = preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
May 1970 ^P	Apr. 1970	May 1970 ^P	Apr. 1970	May 1970 ^P	Apr. 1970	May 1970 ^P	Apr. 1970	May 1970 ^P	Apr. 1970	
ALABAMA:										
Birmingham	3.4	3.4	2.5	2.5	3.4	3.1	1.4	1.6	1.1	0.7
Mobile ¹	5.7	5.6	4.4	4.5	4.8	5.0	2.2	2.6	1.2	1.3
ALASKA	35.1	15.1	20.6	11.6	7.9	14.0	4.7	6.8	2.7	6.4
ARIZONA	4.3	4.4	3.5	3.4	6.0	5.7	2.9	2.7	1.8	1.6
Phoenix	3.6	4.1	3.0	3.2	5.9	5.9	2.8	2.7	2.1	1.7
ARKANSAS	6.5	6.0	5.4	4.9	6.1	6.5	4.4	4.3	.9	1.4
Fort Smith	6.8	8.0	6.4	7.3	6.4	6.3	5.2	5.0	.2	.2
Little Rock-North Little Rock	6.6	5.5	5.8	5.2	5.6	6.5	4.8	4.8	.3	.9
Pine Bluff	4.4	3.0	3.8	2.4	5.8	4.1	4.1	2.5	.8	1.0
COLORADO	4.7	4.3	3.5	3.0	4.0	4.8	2.3	2.2	.9	1.7
Denver	4.9	4.2	3.9	3.3	4.3	4.5	2.4	2.4	1.0	1.1
CONNECTICUT	2.5	2.3	1.8	1.7	3.4	3.9	1.8	1.8	.9	1.2
Hartford	1.9	1.8	1.3	1.5	2.7	2.9	1.5	1.6	.5	.4
DELAWARE ¹	2.3	2.3	1.2	1.0	2.7	2.5	1.3	1.2	.6	.6
Wilmington ¹	2.3	2.2	1.1	1.1	2.5	2.5	1.1	1.1	.6	.6
DISTRICT OF COLUMBIA:										
Washington SMSA	(*)	2.4	(*)	2.3	(*)	2.7	(*)	2.2	(*)	(2)
FLORIDA	5.8	6.5	4.8	5.3	8.2	8.6	3.9	4.4	3.2	3.3
Fort Lauderdale-Hollywood	7.8	6.8	7.3	6.1	9.9	9.1	6.1	5.5	1.9	1.7
Jacksonville	5.6	5.1	5.2	4.7	5.5	6.3	4.0	4.9	.4	.5
Miami	5.0	5.2	4.6	4.8	6.4	6.2	3.7	3.4	1.9	1.8
Orlando	(*)	4.0	(*)	3.3	(*)	6.0	(*)	2.2	(*)	2.8
Pensacola .....	.8	1.1	.8	1.1	1.8	1.3	.7	1.1	.9	.1
Tampa-St. Petersburg	6.2	6.6	5.3	5.6	7.5	6.7	4.0	4.5	2.5	1.1
West Palm Beach	6.9	5.5	5.9	4.4	5.1	7.2	3.8	4.9	.7	.9
GEORGIA	4.9	5.1	4.0	4.1	5.7	5.8	3.7	3.8	1.0	.9
Atlanta ³	5.4	4.7	4.2	3.9	6.0	6.3	3.7	3.4	1.4	.9
HAWAII ⁴	2.7	2.9	2.4	2.6	3.2	3.4	1.5	1.8	.9	.9
IDAHO ⁵	11.7	7.7	5.0	4.5	4.7	6.0	2.4	2.3	1.2	2.6
ILLINOIS:										
Chicago	3.8	3.3	2.7	2.7	4.6	5.0	2.1	2.2	1.5	1.7
INDIANA ¹	3.8	3.0	2.1	1.8	4.0	3.8	1.7	1.5	1.4	1.4
Indianapolis ⁶	2.6	2.2	1.6	1.5	3.6	3.3	1.5	1.3	1.0	.9
IOWA	3.8	3.1	2.5	2.2	4.5	4.5	1.8	2.0	2.2	1.8
Cedar Rapids	3.3	2.1	2.8	1.4	6.1	4.6	1.6	1.3	3.8	2.7
Des Moines	4.6	3.9	3.8	3.4	6.0	6.8	3.0	3.6	2.2	2.2
KANSAS	3.8	3.5	2.7	2.7	5.8	5.3	2.6	2.0	2.5	2.4
Topeka	3.2	3.7	2.7	3.2	5.7	3.2	2.5	1.6	2.2	.8
Wichita	2.6	1.7	1.8	1.3	5.2	6.5	1.3	1.0	3.4	4.6
KENTUCKY	3.9	4.0	2.7	2.6	3.8	4.2	2.2	2.2	.9	1.1
Louisville	3.6	2.8	2.7	2.1	3.2	3.2	1.5	1.8	.8	.6
LOUISIANA:										
New Orleans	5.2	2.6	3.9	1.5	5.0	4.2	1.9	1.0	1.9	2.3
MAINE	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Portland	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MARYLAND	3.6	3.1	2.5	2.3	3.7	4.1	1.8	1.8	1.0	1.5
Baltimore	3.6	3.2	2.4	2.4	3.7	4.2	1.8	1.7	.9	1.5

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	May 1970 ^p	Apr. 1970	May 1970 ^p	Apr. 1970	May 1970 ^p	Apr. 1970	May 1970 ^p	Apr. 1970	May 1970 ^p	Apr. 1970
MASSACHUSETTS.....	4.4	3.5	2.7	2.7	4.3	4.8	2.2	2.4	1.2	1.3
Boston.....	4.4	3.4	2.7	2.5	4.2	4.3	2.0	2.3	1.4	1.2
MICHIGAN.....	4.2	3.5	1.5	1.0	4.2	4.4	1.0	.9	2.3	2.6
Detroit.....	4.6	3.5	1.6	1.0	4.2	4.5	1.1	.9	2.1	2.5
MINNESOTA.....	4.9	4.3	3.4	3.0	5.0	4.8	2.9	2.5	1.2	1.3
Minneapolis-St. Paul.....	4.3	4.2	3.1	3.0	5.4	4.9	2.7	2.6	1.8	1.4
MISSISSIPPI:										
Jackson.....	5.2	4.0	4.2	3.3	5.5	5.3	3.3	2.9	1.4	1.3
MISSOURI.....	4.3	3.2	2.6	2.1	4.6	4.9	2.0	1.8	1.7	2.2
Kansas City.....	4.0	3.7	2.7	2.6	4.6	5.0	2.5	2.1	1.3	2.1
St. Louis.....	3.9	2.3	1.8	1.4	3.9	4.3	1.3	1.2	1.7	2.3
MONTANA.....	6.4	4.8	4.7	3.8	4.1	5.3	2.3	2.2	.8	2.0
NEBRASKA.....	6.3	4.9	5.5	4.1	5.2	5.0	3.6	3.4	.7	.8
NEVADA.....	8.6	6.2	7.3	5.2	8.1	7.9	4.7	4.9	.7	1.2
NEW HAMPSHIRE.....	4.8	4.2	4.1	3.6	5.3	5.0	3.6	3.5	1.0	.7
NEW JERSEY:										
Camden ⁷	3.8	3.5	2.7	2.5	4.0	4.3	1.6	1.8	1.5	1.5
Jersey City.....	3.2	3.4	2.1	2.4	3.6	4.5	1.4	1.6	1.3	1.9
Newark.....	3.7	3.5	2.9	2.5	3.5	4.2	1.7	1.7	.9	1.5
Paterson-Clifton-Passaic.....	4.3	4.4	2.8	3.0	4.4	5.4	1.9	2.2	1.5	2.2
Perth Amboy.....	3.2	2.9	2.7	2.4	3.2	3.5	1.7	1.7	.7	.9
Trenton.....	4.0	3.2	2.7	2.5	3.8	3.8	1.9	1.8	1.0	1.2
NEW YORK.....	4.0	3.8	2.5	2.3	4.7	4.9	1.7	1.8	2.2	2.2
Albany-Schenectady-Troy.....	2.9	2.7	1.9	1.9	3.1	3.3	1.5	1.4	.6	.9
Binghamton.....	1.8	1.8	1.2	1.2	2.3	2.9	1.3	1.3	.4	.9
Buffalo.....	3.0	2.7	1.6	1.3	3.0	3.1	.9	1.1	1.4	1.2
Elmira.....	5.5	3.6	3.4	2.9	3.9	5.0	1.8	1.8	.9	2.1
Monroe County ⁸	2.2	1.9	1.7	1.5	2.5	2.6	1.2	1.3	.7	.8
Nassau and Suffolk Counties ⁹	3.5	3.4	2.7	2.5	4.6	5.6	2.1	2.3	1.8	2.4
New York SMSA.....	4.6	4.8	3.0	2.9	6.2	6.2	1.8	2.0	3.4	3.1
New York City ⁹	4.9	5.2	3.0	3.0	6.8	6.6	1.8	2.0	4.0	3.5
Rochester.....	2.4	2.1	1.9	1.6	2.7	3.1	1.3	1.4	.9	1.1
Syracuse.....	2.2	2.1	1.3	1.4	2.9	3.4	1.3	1.6	.9	1.2
Utica-Rome.....	3.4	2.8	2.2	1.7	3.0	2.9	1.4	1.5	1.1	.9
Westchester County ⁹	3.9	3.7	2.8	2.4	4.1	4.0	1.8	1.8	1.5	1.2
NORTH CAROLINA.....	(*)	4.4	(*)	3.6	(*)	4.7	(*)	3.5	(*)	.3
Charlotte.....	(*)	4.9	(*)	4.5	(*)	5.0	(*)	3.9	(*)	.2
Greensboro-Winston-Salem-High Point.....	(*)	3.8	(*)	3.0	(*)	4.1	(*)	3.0	(*)	.1
NORTH DAKOTA.....	6.0	6.1	5.0	4.3	4.7	5.7	3.0	3.0	.8	1.9
Fargo-Moorhead.....	5.3	7.0	4.2	4.4	4.9	7.6	3.7	4.1	.5	2.5
OHIO.....	3.7	3.0	2.0	1.7	3.7	4.3	1.4	1.4	1.5	2.1
Akron.....	2.4	2.4	1.5	1.2	2.9	2.9	1.1	1.1	1.1	1.3
Canton.....	4.7	3.2	1.9	1.6	4.0	5.1	1.3	1.3	1.7	2.7
Cincinnati.....	3.8	3.2	2.5	2.2	3.9	4.1	1.7	1.6	1.3	1.7
Cleveland.....	3.9	2.3	1.9	1.5	3.6	4.5	1.4	1.4	1.4	2.2
Columbus.....	3.7	3.5	2.5	2.4	4.1	4.4	2.0	2.0	1.3	1.6
Dayton.....	2.4	2.6	1.5	1.5	3.0	3.1	1.2	1.1	.9	1.0
Toledo.....	4.0	4.3	2.3	1.9	4.1	5.2	1.3	1.4	1.7	2.6
Youngstown-Warren.....	4.2	3.7	1.2	1.7	4.2	4.9	.8	.7	2.4	3.4
OKLAHOMA:										
Oklahoma City.....	6.7	6.7	5.8	5.4	6.2	6.8	4.4	4.4	1.0	1.4
Tulsa ¹⁰	7.0	6.4	6.2	6.1	7.0	8.7	4.1	3.3	1.3	2.1
OREGON ¹	5.7	4.6	3.7	3.5	4.6	6.3	2.0	2.0	1.8	3.5
Portland ¹	5.6	4.1	3.3	3.3	4.8	7.5	1.8	1.8	2.2	5.0

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
May p 1970	Apr. 1970	May p 1970	Apr. 1970	May p 1970	Apr. 1970	May p 1970	Apr. 1970	May p 1970	Apr. 1970	
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	2.7	2.6	2.0	2.0	2.6	3.0	1.5	1.7	0.4	0.6
Altoona	4.5	3.9	4.3	3.5	5.4	4.8	3.4	2.8	1.5	1.4
Erie	3.3	4.4	2.1	3.1	2.9	5.6	1.6	2.9	.6	1.7
Harrisburg	5.3	2.2	2.4	1.7	3.3	3.6	2.3	1.4	.4	1.6
Johans town	1.9	3.3	.8	2.6	2.9	2.2	.9	1.2	1.5	.4
Lancaster	4.6	4.0	3.4	3.3	4.8	4.4	3.2	2.8	.8	.7
Philadelphia	2.8	3.2	2.1	2.1	3.2	4.0	1.4	1.6	1.0	1.5
Pittsburgh	2.7	2.1	1.2	1.0	3.0	3.1	.7	.7	1.7	1.6
Reading	3.3	2.9	2.5	2.3	4.1	4.1	2.2	2.1	1.4	1.3
Scranton	3.8	3.2	1.9	1.8	3.8	3.5	1.4	1.7	1.8	1.3
Wilkes-Barre-Hazleton	2.7	2.6	1.8	1.9	3.8	4.3	1.5	1.7	1.6	1.7
York	3.8	4.0	3.3	3.4	4.5	5.5	2.6	3.1	1.0	1.7
RHODE ISLAND:										
Providence-Pawtucket-Warwick	5.4	4.2	3.3	3.2	5.4	6.8	2.7	2.9	1.7	2.9
	4.8	4.0	3.0	3.1	5.3	6.4	2.6	2.9	1.8	2.6
SOUTH CAROLINA:										
Greenville	6.0	5.8	5.1	5.0	5.9	5.9	4.4	4.4	.2	.3
SOUTH DAKOTA:										
Sioux Falls	6.0	4.9	3.8	2.2	3.8	3.9	2.2	2.1	1.2	1.4
	6.5	7.5	2.2	3.1	4.8	5.4	2.0	2.6	2.4	2.4
TENNESSEE:										
Memphis	4.0	4.2	3.5	3.4	4.7	4.8	2.7	2.2	1.0	1.1
TEXAS:										
Dallas	3.7	3.6	3.4	3.1	5.1	5.0	3.2	3.1	1.1	.8
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	3.9	3.7	3.6	3.4	4.2	4.0	2.7	2.5	.3	.3
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH ⁵										
Salt Lake City	4.6	4.3	3.1	2.8	4.0	4.3	2.3	2.3	.9	1.4
	4.0	4.4	3.2	3.6	3.7	4.2	2.2	2.5	.6	1.0
VERMONT:										
Burlington	3.1	2.7	2.1	2.1	3.7	4.1	1.7	2.3	1.3	1.2
Springfield	2.2	2.7	1.7	2.1	2.0	3.1	1.2	1.9	.3	.8
	1.6	1.1	1.4	.8	5.1	2.6	1.2	1.2	2.9	.9
VIRGINIA:										
Richmond	3.9	3.5	2.9	2.7	4.1	4.2	2.6	2.5	.8	.9
	2.4	2.8	1.9	2.4	3.1	3.9	1.8	1.8	.6	1.4
WASHINGTON:										
Seattle-Everett	2.0	2.2	1.3	1.4	4.3	5.8	1.2	1.5	2.6	3.7
WEST VIRGINIA:										
Charleston	1.6	1.2	1.2	.9	1.0	.9	.4	.4	.1	.1
WISCONSIN:										
Milwaukee	3.4	2.8	2.1	2.0	3.9	4.4	1.6	1.7	1.4	1.7
	3.7	3.0	2.3	2.2	4.6	5.1	1.7	1.8	1.9	2.3
WYOMING:										
	5.9	4.7	4.4	3.1	5.3	11.4	3.4	3.1	1.2	7.7

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 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
⁸ Subarea of Rochester Standard Metropolitan Statistical Area.
⁹ Subarea of New York Standard Metropolitan Statistical Area.
¹⁰ Excludes new-hire rate for transportation equipment.
¹¹ Excludes canning and preserving, printing and publishing.

*Not available.
p = preliminary.
SOURCE: Cooperating State agencies listed on inside back cover.

UNEMPLOYMENT INSURANCE DATA

E-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	July 1970	June 1970	July 1969	Change to July from ¹		July 1970	June 1970	July 1969
				June 1970	July 1969			
TOTAL²	1,774.4	1,573.6	1,033.3	+200.8	+741.0	3.3	3.0	2.0
SEASONALLY ADJUSTED	1,861.1	**1,970.5	**1,090.6	-109.4	+770.5	3.5	3.7	**2.1
Alabama	22.5	20.0	13.7	+2.5	+8.8	3.2	2.9	2.0
Alaska	3.2	3.9	1.9	-.7	+1.3	6.1	7.6	4.0
Arizona	12.5	9.3	4.1	+3.3	+8.5	3.4	2.6	1.2
Arkansas	12.4	12.6	8.0	-.2	+4.4	3.1	3.2	2.1
California*	262.2	242.3	154.2	+19.9	+108.0	5.0	4.6	3.1
Colorado	6.0	5.4	2.7	+6	+3.3	1.2	1.1	.6
Connecticut	52.2	35.7	34.1	+16.5	+18.1	5.2	3.6	3.5
Delaware	5.1	2.7	3.5	+2.4	+1.6	3.0	1.6	2.1
District of Columbia	5.7	4.9	3.8	+.8	+1.9	1.6	1.4	1.1
Florida	38.0	26.2	23.9	+11.9	+14.2	2.6	1.8	1.8
Georgia	19.6	19.5	10.4	+.1	+9.2	1.8	1.8	1.0
Hawaii	5.6	4.9	3.2	+.7	+2.3	2.3	2.1	1.5
Idaho	5.7	4.5	4.4	+1.2	+1.3	3.8	3.0	3.1
Illinois	78.2	82.8	42.2	-4.6	+36.0	2.4	2.6	1.3
Indiana	29.4	28.6	13.1	+.8	+16.2	2.1	2.0	1.0
Iowa	12.1	14.2	7.7	-2.2	+4.3	2.1	2.5	1.4
Kansas	15.1	15.5	7.4	-.4	+7.7	3.4	3.5	1.7
Kentucky	16.5	15.5	10.4	+1.0	+6.0	2.7	2.5	1.8
Louisiana	27.6	27.0	19.3	+.7	+8.3	3.8	3.7	2.7
Maine	11.2	7.9	9.5	+3.4	+1.8	5.0	3.5	4.3
Maryland	20.2	18.9	13.6	+1.4	+6.7	2.2	2.0	1.5
Massachusetts	80.6	64.1	50.9	+16.4	+29.7	4.6	3.8	3.0
Michigan	146.9	90.9	61.8	+56.0	+85.2	6.0	3.7	2.6
Minnesota	19.9	21.4	6.8	-1.5	+13.1	2.0	2.2	.7
Mississippi	8.9	9.4	5.6	-.5	+3.3	2.3	2.5	1.5
Missouri	32.8	39.8	25.1	-7.1	+7.6	2.7	3.3	2.2
Montana	3.2	3.2	2.1	-	+1.0	2.5	2.6	1.7
Nebraska	4.3	3.8	2.2	+.4	+2.1	1.4	1.3	.8
Nevada	5.6	5.0	2.9	+.6	+2.6	3.6	3.4	2.1
New Hampshire	3.8	2.9	3.0	+.9	+.9	1.9	1.5	1.5
New Jersey	85.2	74.2	63.2	+11.0	+22.0	4.1	3.7	3.4
New Mexico	7.0	6.7	3.5	+.3	+3.5	3.8	3.8	2.0
New York	199.9	184.6	129.1	+15.3	+70.8	3.5	3.3	2.3
North Carolina	30.8	26.4	18.9	+4.4	+11.9	2.3	2.0	1.5
North Dakota	1.1	1.3	.9	-.2	+.1	1.3	1.6	1.1
Ohio	64.5	59.4	32.4	+5.2	+32.2	2.2	2.0	1.1
Oklahoma	14.2	13.5	8.3	+.7	+5.9	2.9	2.8	1.8
Oregon	24.2	25.3	13.4	-1.1	+10.8	4.4	4.7	2.6
Pennsylvania	99.1	89.8	69.2	+9.3	+29.8	2.9	2.7	2.1
Puerto Rico * ²	40.7	29.7	25.0	+10.9	+15.7	8.3	7.9	6.3
Rhode Island	14.8	12.7	8.8	+2.1	+6.0	5.2	4.5	3.2
South Carolina	18.7	14.7	9.5	+4.1	+9.3	3.1	2.4	1.6
South Dakota	1.2	1.1	.8	+.1	+.4	1.3	1.2	.9
Tennessee	30.8	29.0	16.9	+1.8	+13.9	3.2	3.0	1.8
Texas	36.5	32.3	19.9	+4.2	+16.7	1.4	1.3	.8
Utah	6.2	5.9	5.0	+.4	+1.3	2.8	2.6	2.3
Vermont	3.1	2.9	1.7	+.2	+1.4	3.0	2.9	1.7
Virginia	10.8	9.0	5.9	+1.8	+4.9	1.1	.9	.6
Washington	76.2	71.2	22.8	+5.0	+53.4	9.2	8.6	2.8
West Virginia	10.9	9.8	8.8	+1.1	+2.1	3.1	2.8	2.5
Wisconsin	30.8	30.6	17.6	+.3	+13.3	2.7	2.7	1.6
Wyoming . . . . .	.7	.8	.5	-.1	+.2	1.0	1.1	.7

¹Based on unrounded data; changes of less than 50 not shown.²Include data under the program for Puerto Rico's sugarcane workers. Rates exclude the sugarcane workers as comparable covered employment data are not yet available.

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

**Revised.

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	July 1970	June 1970	State and area	July 1970	June 1970	State and area	July 1970	June 1970	State and area	July 1970	June 1970
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--		
Birmingham.....	4.0	3.9	Evansville.....	1.3	1.6	Manchester.....	0.8	0.6	continued		
Mobile.....	2.4	2.4	Ft. Wayne.....	1.2	1.2				York.....	2.2	1.9
			Gary-Hammond..	2.7	2.9						
ARIZONA			Indianapolis....	6.2	4.7	NEW JERSEY			PUERTO RICO*		
Phoenix.....	9.4	6.7	South Bend.....	2.2	2.5	Atlantic City....	2.4	2.2	Mayaguez.....	2.5	2.1
			Terre Haute.....	.9	1.0	Jersey City.....	12.8	12.0	Ponce.....	2.5	1.7
						Newark.....	22.2	19.3	San Juan.....	6.3	6.0
ARKANSAS			IOWA			New Brunswick..	8.8	7.8			
Little Rock.....	1.9	1.1	Cedar Rapids....	1.1	1.3	Paterson.....	19.5	16.9			
			Des Moines.....	1.1	1.1	Trenton.....	2.4	2.0			
									RHODE ISLAND		
CALIFORNIA			KANSAS			NEW MEXICO			Providence.....	17.9	14.1
Anaheim-S. Ana-			Wichita.....	7.8	8.3	Albuquerque....	3.0	2.9			
Garden Grove..	19.0	15.3							SOUTH CAROLINA		
Fresno.....	4.6	4.9	KENTUCKY			NEW YORK			Charleston.....	1.7	1.4
Los Angeles....	118.3	109.1	Louisville.....	3.8	3.9	Albany.....	4.3	4.0	Greenville.....	1.6	1.3
Sacramento.....	9.6	8.8				Binghamton....	2.3	1.7			
San Bernardino..	13.0	10.1	LOUISIANA			Buffalo.....	17.5	12.8			
San Diego.....	16.5	14.2	Baron Rouge....	2.0	2.1	New York.....	144.4	137.3			
San Francisco...	41.5	38.6	New Orleans....	8.3	7.8	Rochester.....	9.9	7.2	TENNESSEE		
San Jose.....	14.4	14.3	Shreveport.....	2.0	2.0	Syracuse.....	5.3	5.0	Chattanooga...	2.9	2.4
Stockton.....	5.3	4.8				Utica.....	3.5	3.4	Knoxville.....	3.0	2.3
			MAINE			NORTH CAROLINA			Memphis.....	4.1	4.7
COLORADO			Portland.....	1.0	.8	Asheville.....	1.0	.9	Nashville.....	3.7	3.0
Denver.....	3.9	3.3	MARYLAND			Charlotte.....	1.6	1.6			
			Baltimore.....	14.1	13.2	Durham.....	.8	.5	TEXAS		
						Greensboro-			Austin.....	.7	.5
CONNECTICUT			MASSACHUSETTS			Winston-Salem..	3.1	3.0	Beaumont.....	2.3	2.2
Bridgeport.....	7.8	5.7	Boston.....	34.4	29.4				Corpus Christi..	1.0	.9
Hartford.....	7.4	5.6	Brockton.....	2.8	2.1	OHIO			Dallas.....	6.2	5.1
New Britain.....	3.0	2.3	Fall River.....	4.0	2.8	Akron.....	4.1	3.9	El Paso.....	1.6	1.5
New Haven.....	5.6	4.3	Lawrence.....	6.5	3.5	Canton.....	2.6	2.6	Ft. Worth.....	3.0	2.3
Stamford.....	2.0	1.3	Lowell.....	3.8	2.8	Cincinnati.....	6.1	5.5	Houston.....	4.1	3.3
Waterbury.....	7.7	4.4	New Bedford....	5.4	3.5	Cleveland.....	15.2	13.6	San Antonio....	2.4	2.3
			Springfield....	7.8	7.0	Columbus.....	3.9	3.7			
DELAWARE			Worcester.....	3.7	3.3	Dayton.....	3.7	3.7	UTAH		
Wilmington.....	5.0	2.7				Hamilton.....	1.2	1.1	Salt Lake City..	3.7	3.5
			MICHIGAN			Lorain.....	1.7	1.5			
DIST. OF COL.			Battle Creek....	1.9	2.0	Sreubenville...	.7	.8	VIRGINIA		
Washington.....	8.2	8.2	Detroit.....	74.3	46.4	Toledo.....	4.8	3.9	Hampton.....	1.4	1.2
			Flinr.....	22.4	3.5	Youngstown....	4.1	5.0	Norfolk.....	1.3	1.1
FLORIDA			Grand Rapids...	7.4	6.6				Richmond.....	.8	.8
Jacksonville....	.6	.9	Kalamazoo.....	2.1	1.8	OKLAHOMA			Roanoke.....	.3	.2
Miami.....	10.5	8.1	Lansing.....	3.9	2.8	Oklahoma City..	2.4	2.2			
Tampa.....	5.1	3.4	Muskegon.....	2.8	2.8	Tulsa.....	2.8	3.1	WASHINGTON		
			Springfield....	7.8	7.0				Seattle.....	41.6	41.0
GEORGIA			Worcester.....	3.7	3.3	OREGON			Spokane.....	4.1	4.1
Atlanta.....	4.7	5.3				Portland.....	14.3	13.9	Tacoma.....	7.6	7.0
Augusta.....	1.6	1.6	MINNESOTA								
Columbus.....	1.3	1.3	Duluth.....	1.2	1.3	PENNSYLVANIA			WEST VIRGINIA		
Macon.....	1.7	1.6	Minneapolis....	11.1	11.2	Allentown.....	5.5	3.4	Charleston.....	1.2	1.1
Savannah.....	.9	.8				Alroona.....	1.3	1.0	Huntington.....	1.9	1.4
			MISSISSIPPI			Erie.....	1.7	1.7	Wheeling.....	1.4	1.1
HAWAII			Jackson.....	1.0	.9	Harrisburg.....	1.6	1.6			
Honolulu.....	4.3	3.5				Johnstown.....	2.9	2.7	WISCONSIN		
			MISSOURI			Lancaster.....	1.0	.9	Kenosha.....	1.4	1.3
ILLINOIS			Kansas City....	9.7	9.6	Philadelphia...	41.7	39.6	Madison.....	1.1	1.1
Chicago.....	50.7	54.1	St. Louis.....	19.5	23.0	Pittsburgh.....	16.9	16.1	Milwaukee.....	11.1	11.0
Davenport.....	2.6	2.2				Reading.....	3.1	2.4	Racine.....	1.9	1.6
Peoria.....	1.7	1.5	NEBRASKA			Scranton.....	5.1	3.9			
Rockford.....	2.9	2.8	Omaha.....	1.9	1.8	Wilkes-Barre...	7.3	5.9			

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 Manpower Administration.

*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 28 States (as of January 1, 1970). 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	Negro and other races	Total or white	Negro and other races	Total or white	Negro and other races
10.....	4	4	6	4	6	4
50.....	9	9	11	9	11	9
100.....	12	12	16	12	16	12
250.....	20	17	25	17	25	17
500.....	30	25	34	25	34	25
1,000....	40	35	50	35	50	35
2,500....	60	40	75	40	75	40
5,000....	85	45	90	...	90	...
10,000...	115	...	115	...	115	...
20,000...	150	...	125	...	125	...
30,000...	170	...	...	...	...	...
40,000...	180	...	...	...	...	...

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 nonsupervisory workers in the industry division excluding other income and income earned by other family members.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. The level of earnings is thus adjusted for changes in purchasing power since the base period (1957-59).

Average Hourly Earnings Excluding Overtime

Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker man-hours and one-half of total overtime man-hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at $1\frac{1}{2}$ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of Aggregate Weekly Payrolls and Man-Hours

The indexes of aggregate weekly payrolls and man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1957-59 period. The man-hour aggregates are the product of average weekly hours and production-worker employment, and the payroll aggregates are the product of gross average weekly earnings and production-worker employment.

Labor Turnover

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

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

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

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

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

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

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

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

Relationship to Employment Series

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

ESTIMATING METHODS

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

The "Link Relative" Technique

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

Size and Regional Stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified 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 1969 levels. Normally, benchmark adjustments are made annually.

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

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

Nonagricultural payroll employment estimates,
by industry division, as a percentage of the
benchmark for 1967-1969

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

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

THE SAMPLE

Design

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

Under this type of design, large establishments fall into the sample with certainty. The size of the samples for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the larger establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the smaller ones. Many industries in the trade and 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 1969¹

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

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 1969

Industry	Employees	
	Number reported	Percent of total
Manufacturing	10,448,400	52
Metal mining	64,400	72
Coal mining	59,000	44
Communication:		
Telephone	605,200	71
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 1969 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	2,800
200,000	3,800
500,000	7,500
1,000,000	11,200
2,000,000	17,500

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	700	600
100,000	900	800
200,000	1,800	1,700
500,000	3,000	2,900
1,000,000	5,000	5,000
2,000,000	9,700	9,400
10,000,000	31,400	30,600
Total Nonag. empl.	88,000	80,000

UNEMPLOYMENT INSURANCE DATA

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

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.

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

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

SEASONAL 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.

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

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

The seasonal adjustment factors applying to current data are based on a pattern shown by past experience. These factors are revised in the light of the pattern revealed by subsequent data. Revised seasonally adjusted series for major components of the labor force based on data through December 1969 are published in the February 1970 *Employment and Earnings*. Revisions will be made annually as each additional year's data become available.

ATTENTION

As discussed in the Technical Note, the Bureau periodically adjusts the industry employment series to a recent benchmark to improve their accuracy. These adjustments may also affect the hours 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 1969 benchmarks. Data from April 1969 forward are subject to revision at the time of the next benchmark.

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

**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

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COOPERATING STATE AGENCIES

Employment and Labor Turnover Statistics Programs

BLS Region		
	IV ALABAMA X ALASKA IX ARIZONA VI ARKANSAS IX CALIFORNIA VIII COLORADO I CONNECTICUT III DELAWARE III DIST. OF COL. IV FLORIDA IV GEORGIA IX HAWAII X IDAHO V ILLINOIS V INDIANA VII IOWA VII KANSAS IV KENTUCKY VI LOUISIANA I MAINE III MARYLAND I MASSACHUSETTS V MICHIGAN V MINNESOTA IV MISSISSIPPI VII MISSOURI VIII MONTANA VII NEBRASKA IX NEVADA I NEW HAMPSHIRE II NEW JERSEY VI NEW MEXICO II NEW YORK IV NORTH CAROLINA VIII NORTH DAKOTA V OHIO VI OKLAHOMA X OREGON III PENNSYLVANIA I RHODE ISLAND IV SOUTH CAROLINA VIII SOUTH DAKOTA IV TENNESSEE VI TEXAS VIII UTAH I VERMONT III VIRGINIA X WASHINGTON III WEST VIRGINIA V WISCONSIN VIII WYOMING	- Department of Industrial Relations, Montgomery 36104 - Employment Security Division, Department of Labor, Juneau 99801 - Unemployment Compensation Division, Employment Security Commission, Phoenix 85005 - Employment Security Division, Department of Labor, Little Rock 72203 - Division of Labor Statistics and Research, Department of Industrial Relations, Human Relations Agency, San Francisco 94101 (Employment). - Department of Labor and Employment, Denver 80203 - Employment Security Division, Connecticut Labor Department, Hartford 06115 - Employment Security Commission, Wilmington 19899 - Manpower Training and Employment Services Administration for the District of Columbia, Washington 20212 - Department of Commerce, Tallahassee 32304 - Employment Security Agency, Department of Labor, Atlanta 30334 - Department of Labor and Industrial Relations, Honolulu 96811 - Department of Employment, Boise 83707 - Division of Research and Statistics, Department of Labor, Chicago 60606 - Employment Security Division, Indianapolis 46204 - Employment Security Commission, Des Moines 50319 - Employment Security Division, Department of Labor, Topeka 66603 - Bureau of Employment Security, Department of Economic Security, Frankfort 40601 - Department of Employment Security, Baton Rouge 70804 - Employment Security Commission, Augusta 04330 - Department of Employment Security, Baltimore 21201 - Division of Statistics, Department of Labor and Industries, Boston 02202 (Employment). - Division of Employment Security, Boston 02215 (Turnover). - Employment Security Commission, Detroit 48202 - Department of Manpower Services, St. Paul 55101 - Employment Security Commission, Jackson 39205 - Division of Employment Security, Jefferson City 65102 - Unemployment Compensation Commission, Helena 59601 - Division of Employment, Department of Labor, Lincoln 68509 - Employment Security Department, Carson City 89701 - Department of Employment Security, Concord 03301 - Division of Planning and Research, Department of Labor and Industry, Trenton 08625 - Employment Security Commission, Albuquerque 87103 - Research and Statistics Office, Division of Employment, N.Y. State Department of Labor, State Campus Building 12, Albany 12201 - Division of Statistics, Department of Labor, Raleigh 27602 (Employment). Bureau of Employment Security Research, Employment Security Commission, Raleigh 27602 (Turnover). - Employment Security Bureau, Bismarck 58501 - Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216 - Employment Security Commission, Oklahoma City 73105 - Division of Employment, Salem 97310 - Bureau of Employment Security, Department of Labor and Industry, Harrisburg 17121 - Division of Statistics and Census, Department of Labor, Providence 02908 (Employment). - Department of Employment Security, Providence 02903 (Turnover). - Employment Security Commission, Columbia 29202 - Employment Security Department, Aberdeen 57401 - Department of Employment Security, Nashville 37219 - Employment Commission, Austin 78701 - Department of Employment Security, Salt Lake City 84111 - Department of Employment Security, Montpelier 05602 - Division of Research and Statistics, Department of Labor and Industry, Richmond 23214 (Employment). Employment Commission, Richmond 23211 (Turnover). - Employment Security Department, Olympia 98501 - Department of Employment Security, Charleston 25305 - Department of Industry, Labor and Human Relations, Madison 53701 - Employment Security Commission, Casper 82601