

EMPLOYMENT AND EARNINGS

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CALENDAR OF FEATURES

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Oct.
Household data								
Annual averages	x							
Revised seasonally adjusted series and current seasonal factors		x						
Quarterly averages	x			x			x	x
Establishment data								
Annual averages								
National:								
Industry divisions (preliminary)	x							
Industry detail (final)			x					
State and area					x			
Area definitions					x			
National data adjusted to new benchmarks						x		
Revised seasonally adjusted series and current seasonal factors						x		

Employment and Unemployment Developments, June 1970

Unemployment rose less than it usually does in June, but employment also showed less than its usual May-June gain. The overall unemployment rate dropped from 5.0 percent in May to 4.7 percent in June, registering its first decline in 6 months. The reduction in unemployment occurred almost entirely among adult women, whose jobless rate dropped from 5.1 to 4.5 percent in June, after rising sharply in May. Jobless rates for adult men, married men, and teenagers were virtually unchanged over the month.

Nonfarm payroll employment declined by 215,000 in June, after seasonal adjustment, the third straight monthly reduction. About half of the drop occurred in durable goods manufacturing, where employment has fallen by nearly 700,000 since last September. The manufacturing workweek was unchanged in June at its lowest level since the late summer of 1961.

Unemployment

The number of unemployed persons totaled 4.7 million in June. Unemployment usually increases sharply at this time of year, but the rise this June was 200,000 smaller than usual.

The jobless rate for adult women, at 4.5 percent in June, returned to its April level following a substantial increase in May. The June decline took place among women seeking full-time work; their rate fell from 5.5 to 4.6 percent.

Unemployment rates for adult men (3.5 percent) and married men (2.5 percent) were unchanged over the month at their highest levels since early 1965. However, June marked the first time in 8 months that the adult male rate had not risen. The teenage jobless rate, after seasonal adjustment, remained virtually unchanged at 14.6 percent.

All of the over-the-month decline in unemployment took place among white workers. The white jobless rate, which had been rising steadily since December, fell from 4.6 to 4.2 percent in June. For Negroes, the jobless rate rose from 8.0 to 8.7 percent, returning to its April level after a dip in May. The June increase in the Negro rate was almost exclusively among teenagers. For the second quarter of 1970, unemployment rates averaged 8.4 percent for Negroes and 4.4 percent for whites. As a result, the ratio of Negro-to-white jobless rates remained slightly below the 2-to-1 ratio that had prevailed for many years prior to the third quarter of 1969.

The jobless rate for unemployed persons who had lost their last job was unchanged over the month at 2.3 percent, after rising for 7 months in a row. The June decline in unemployment took place among persons reentering the labor force.

The number of persons unemployed less than 5 weeks fell by 250,000 over the month (seasonally adjusted). This was countered by increases in the number unemployed 5 to 14 weeks (90,000) and 15 weeks and over (75,000). As a result, the average (mean) duration of unemployment rose from 9.0 to 9.5 weeks, on a seasonally adjusted basis. Since April, the average duration has increased by more than 1 full week to its highest level in over 3 years, although still below the levels of most of the early and mid-1960's.

The unemployment rate for workers covered by State unemployment insurance programs edged up from 3.6 to 3.7 percent in June.

In the second quarter of 1970, unemployment averaged 4.0 million, up 570,000 from the first quarter and 1.1 million from the fourth quarter of 1969. The jobless rate averaged 4.8 percent, up from 4.1 and 3.6 percent in the previous two quarters. The rate averaged 3.4 percent

for adult men in the second quarter of 1970, 4.7 percent for adult women, and 14.9 percent for teenagers—all were at their highest points since early 1965.

Civilian Labor Force and Total Employment

The civilian labor force increased by 2.3 million in June to 84.1 million. However, this rise was less than usual for the month, as the early summer influx of youth into the job market was smaller than in the past few years. After seasonal adjustment, the civilian labor force was down by 430,000, with the decline occurring mostly among teenagers.

In the second quarter, the labor force averaged 82.5 million (seasonally adjusted), up only 100,000 from the first quarter following a 900,000 advance in the previous quarter. The increase in the second quarter was entirely among adult men, offsetting declines among adult women and teenagers; in the previous 2 years, labor force increases had been largely among adult women and teenagers.

Total employment rose slightly less than seasonally expected in June to 79.4 million. After seasonal adjustment, total employment inched down by 225,000 as a decline in teenage employment was largely offset by a rise in employment of adult women.

In the second quarter of 1970, employment averaged 78.5 million, seasonally adjusted, down 460,000 from the previous quarter. This marks the first quarterly decline in total employment since early 1961.

Young Workers

The number of 16-21 year-old youths in the civilian labor force rose by 2.5 million in June, reflecting the surge of young people seeking work at the end of the school year. The increase, however, was substantially less than the May-June expansions of the previous 2 years, reflecting,

in part, an earlier-than-usual entry of many youths into the labor market in May as well as somewhat reduced labor force participation rates for young people this year. At 12.8 million in June, the labor force of 16-21 year-olds was still up slightly from a year ago. However, since the number of employed young people, at 10.6 million, was down nearly 300,000 from June 1969, the unemployment rate for these youths rose from 14.3 percent in June 1969 to 17.7 percent in June 1970 (not seasonally adjusted).

For white 16-21 year-olds, the unemployment rate was 15.3 percent in June, significantly higher than the 12.4 percent rate a year ago. Almost all of this rise was accounted for by increased unemployment among males. Joblessness among black youths, meanwhile, also rose substantially during this period, climbing from 28.1 percent in June 1969 to 34.0 percent in June 1970.

Industry Payroll Employment

The number of persons on nonagricultural payrolls increased by nearly 650,000 in June to 71.4 million. The advance was smaller than the usual May-June pickup, however, and, after seasonal adjustment, payroll employment was down by 215,000. The decline would have been larger except for the net return to work of about 60,000 strikers.

More than half of the seasonally adjusted payroll employment reduction occurred in manufacturing. Factory employment fell by 120,000 in June, seasonally adjusted, with nearly the entire drop taking place in durable goods, mainly in fabricated metals, machinery, electrical equipment, and transportation equipment. Among the nondurable goods industries, scattered small declines were nearly offset by a 25,000 increase in rubber products, due almost entirely to the return to work of strikers. (Workers on strike are not counted as employed in the payroll employment series, whereas they are classified as "employed—with a job but not at work" in the household series.)

In contract construction, employment fell by 35,000 over the month (seasonally adjusted) but would have shown a much larger reduction except for the return of striking workers. In mining, a small job cutback marked the continuation of declines that have totaled 15,000 since March.

Government employment fell by 45,000 between May and June, as a decline of 80,000 in the Federal sector—due almost entirely to the cutting from payrolls of temporary 1970 Census workers—was partially countered by a pickup in State and local governments. Declines totaling 30,000 were registered in trade; services; and finance, insurance, and real estate. The only employment increase in June took place in transportation and public utilities—20,000, seasonally adjusted.

In the second quarter of 1970, payroll employment averaged 70.9 million (seasonally adjusted), down 225,000 from the record first quarter level. This was the first quarterly decline since the first quarter of 1961. Employment in goods-producing industries, at 23.6 million, was down by 440,000 from the first quarter and was 700,000 below the peak reached in the third quarter of 1969. In the service-producing industries, employment was 47.3 million in the second quarter, up by only 215,000 from the first quarter, the smallest rise since early 1963.

Hours of Work

Average hours of work for rank-and-file workers on private nonagricultural payrolls rose by 0.4 hour in June, about in line with seasonal expectations. After seasonal adjustment, the workweek inched up to 37.2 hours

but remained a half hour below summer 1969 levels.

In manufacturing, the seasonally adjusted workweek was unchanged over the month at 39.8 hours, remaining at its lowest level since September 1961. Although the workweek in the durable goods sector was unchanged at 40.4 hours, 7 of the 11 industries showed declines over the month, but these were offset by a large pickup in transportation equipment. Average hours inched down in nondurable goods, mostly due to declines in food processing, paper, and chemicals.

Factory overtime, seasonally adjusted, edged up to 3.0 hours, returning to the April level. Overtime in the second quarter of 1970 was at its lowest point since mid-1964.

Earnings

Average hourly earnings of production and nonsupervisory workers on private payrolls edged up 1 cent in June to \$3.21. Over the year, hourly earnings were up by 17 cents, or 5.6 percent, the smallest over-the-year increase in 2-1/2 years.

Because of the large increase in the actual workweek, average weekly earnings rose \$1.65 to \$120.05 in June, an all-time high. Compared with June 1969, weekly earnings increased by \$4.83, or 4.2 percent. Earnings rose in all major industries, with the largest rise occurring in construction.

Over the year ending in May 1970, average weekly earnings rose by 4.3 percent; after adjustment for consumer price changes, however, earnings were down by 1.8 percent.

Chart 1.

LABOR FORCE AND EMPLOYMENT

1957 to date
(Seasonally adjusted)

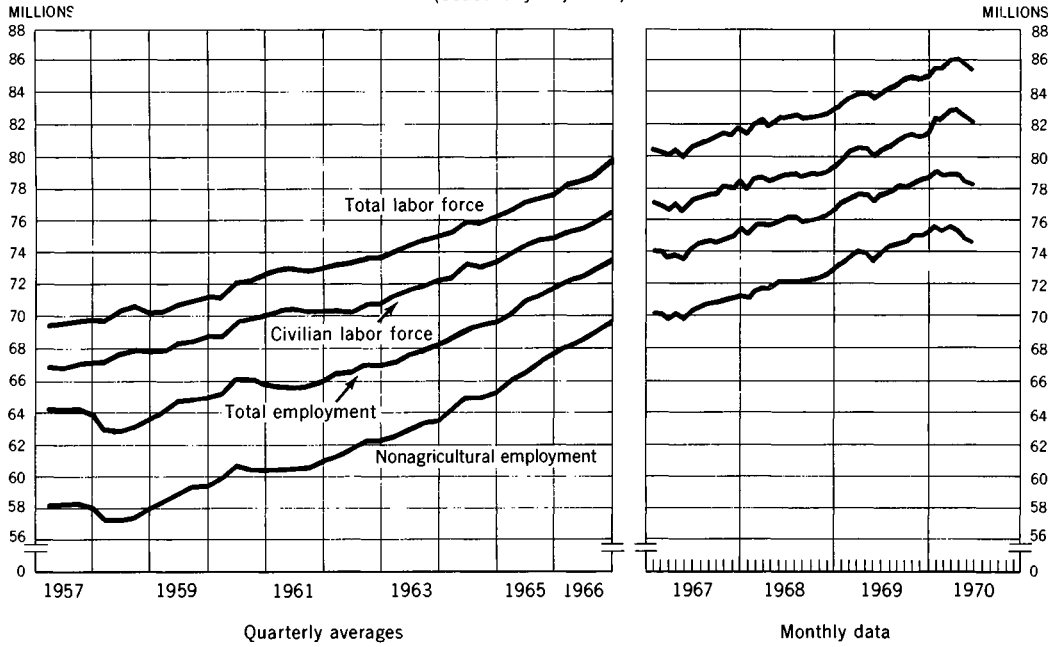
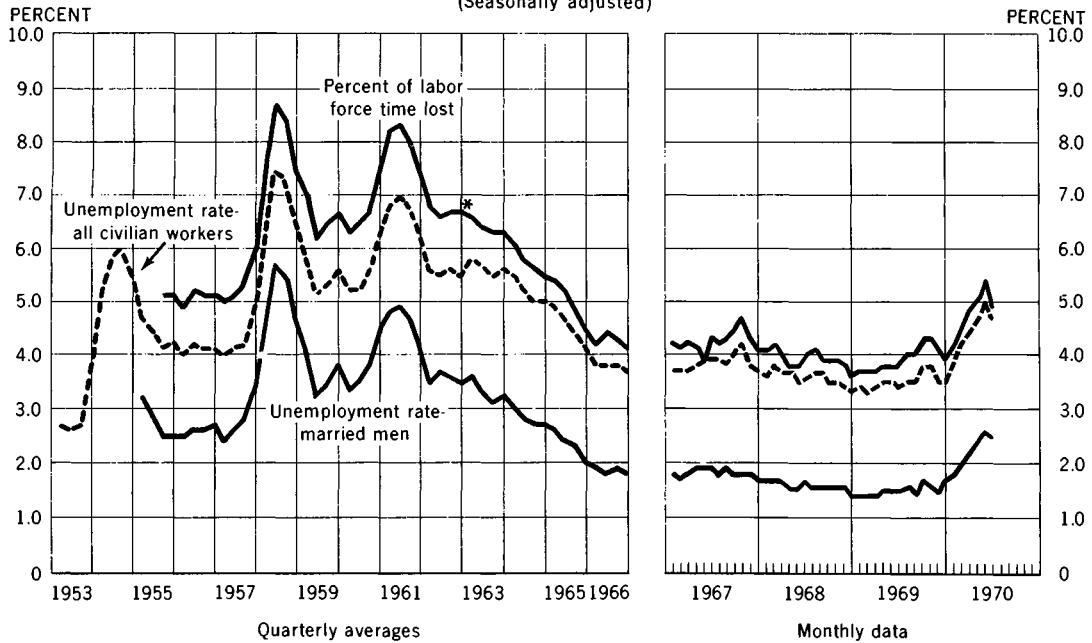


Chart 2.

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)

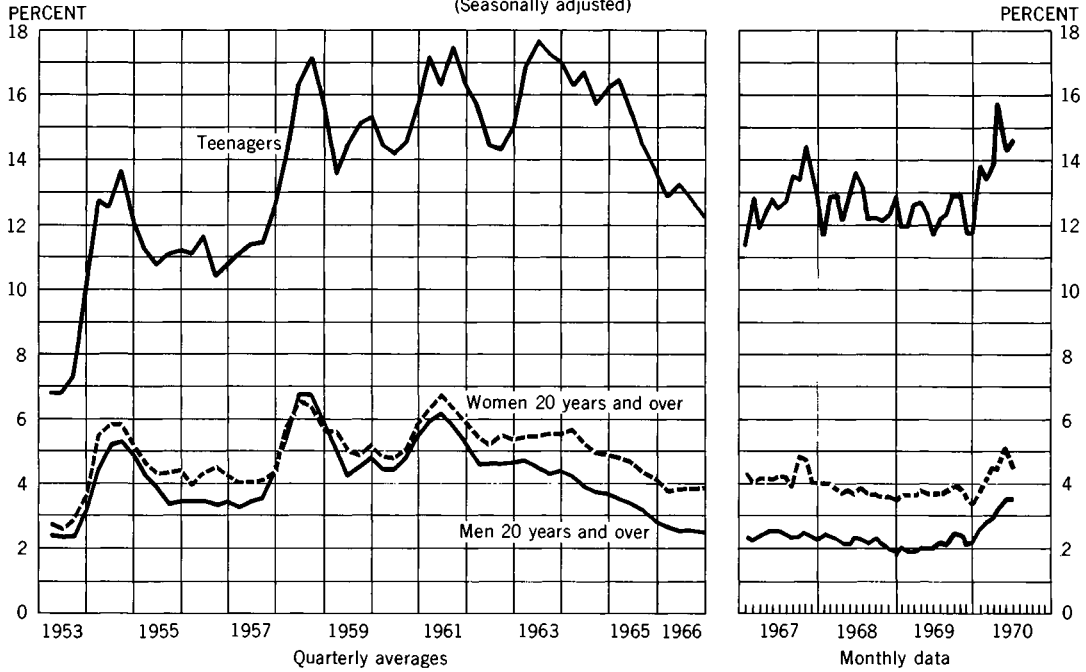


Chart 4.

TOTAL UNEMPLOYMENT BY DURATION

1953 to date
(Seasonally adjusted)

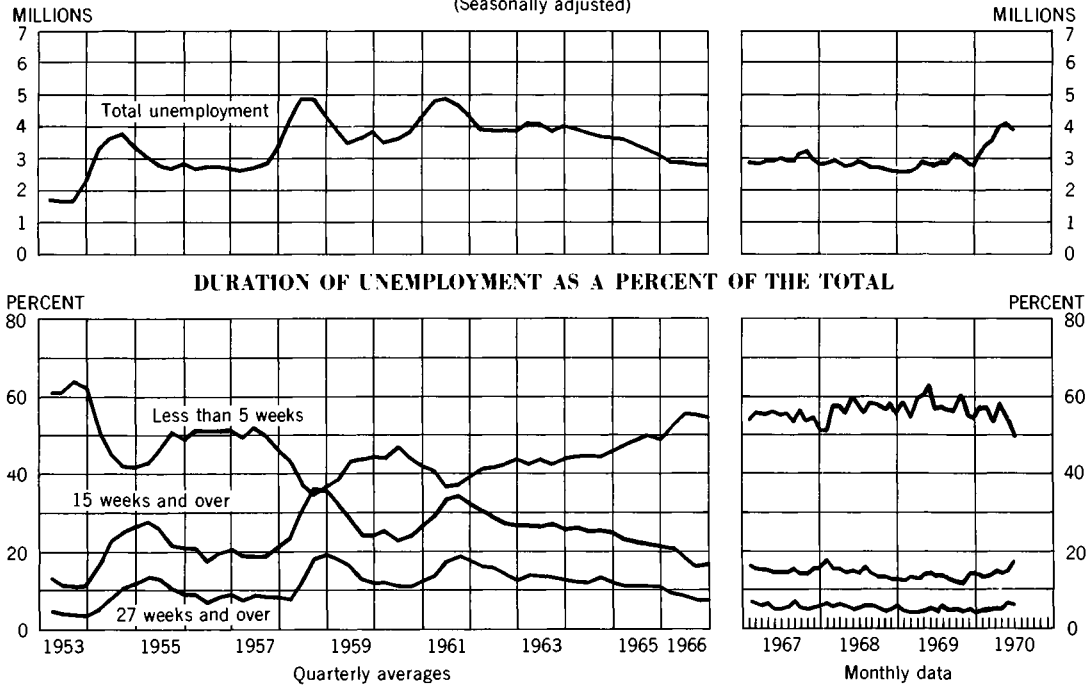
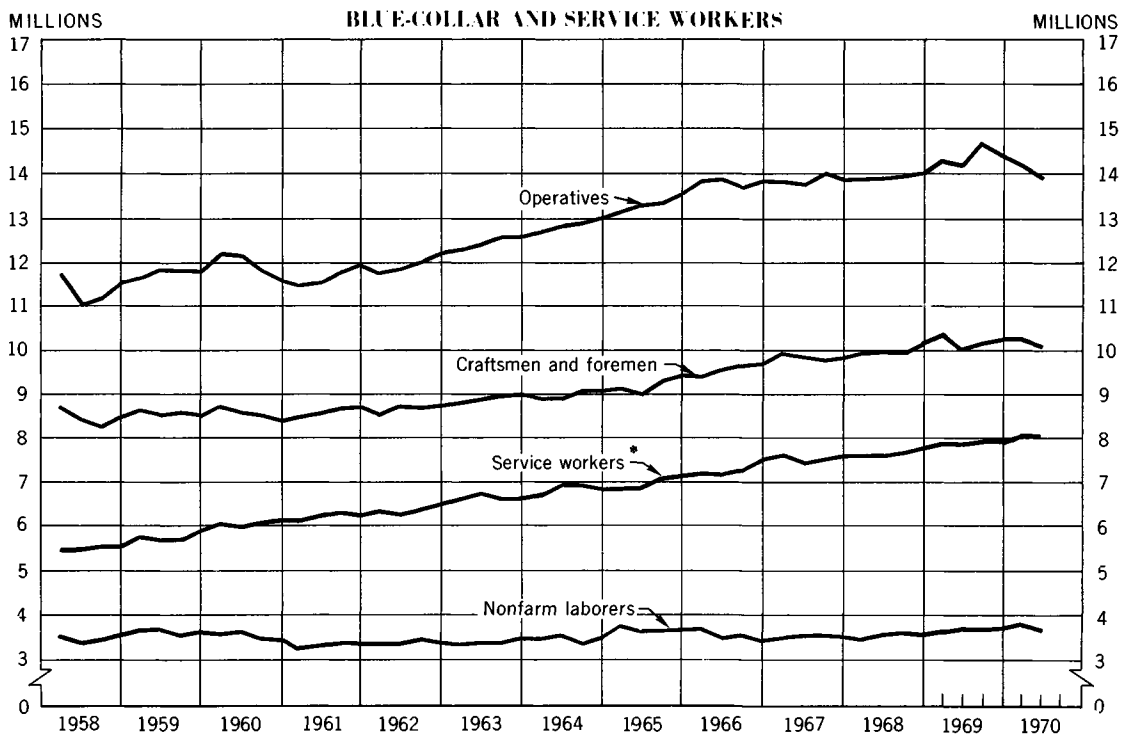
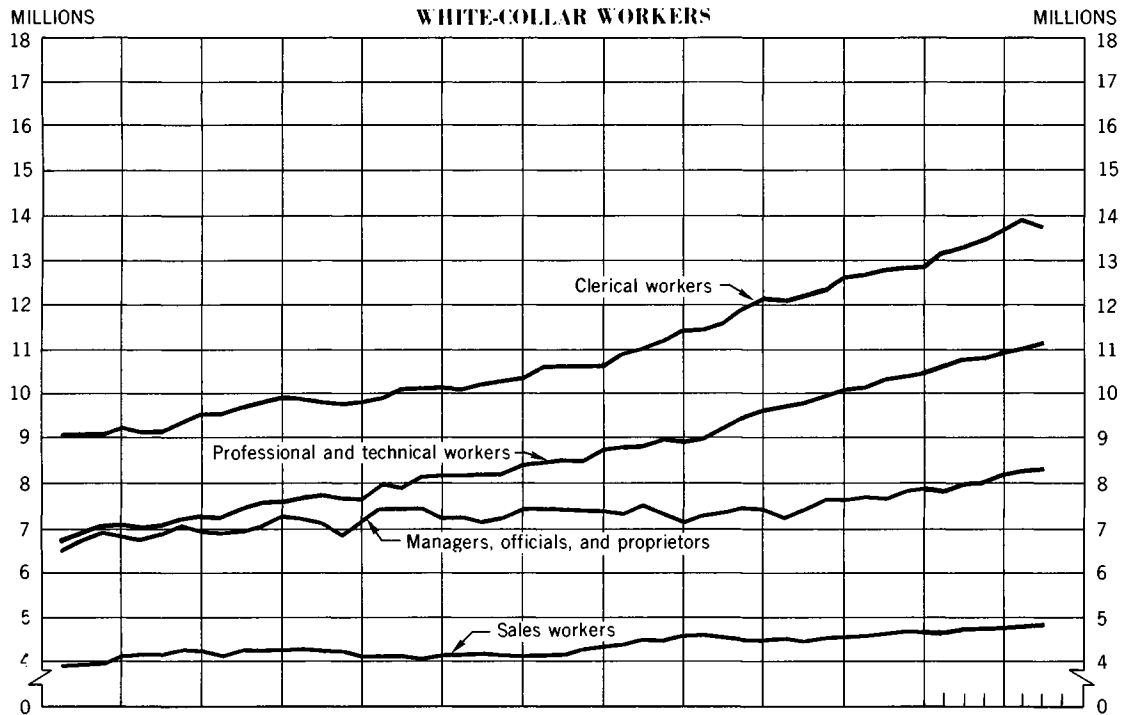


Chart 5.

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)

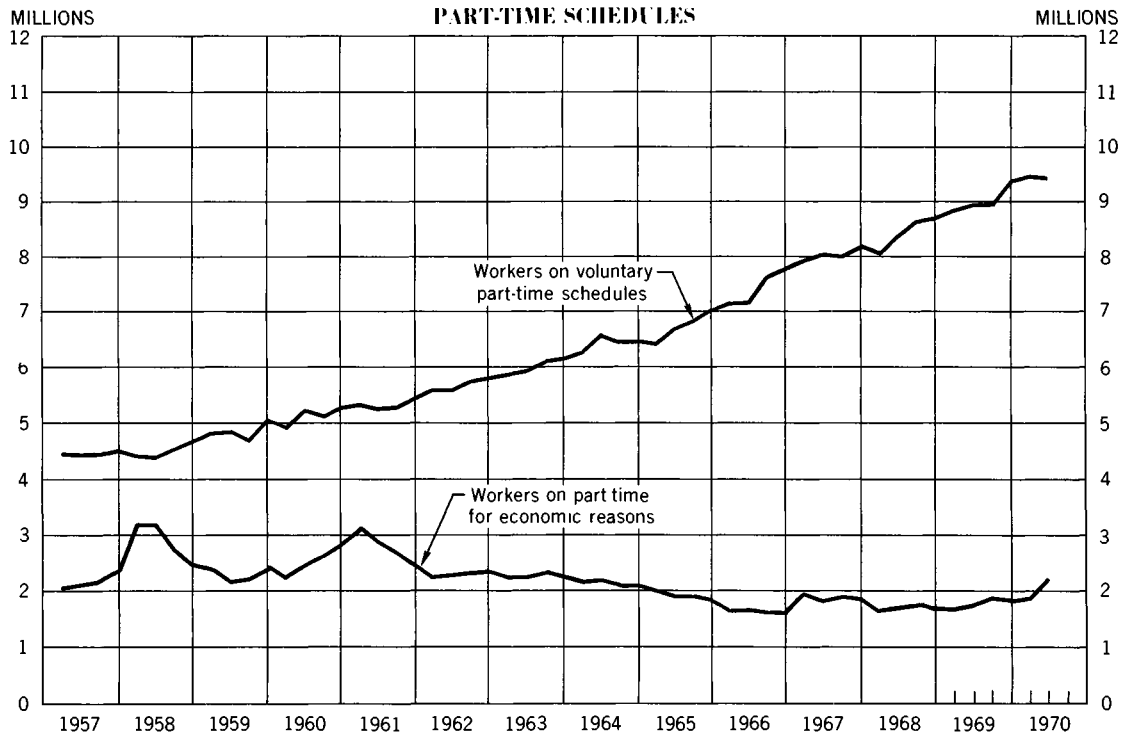
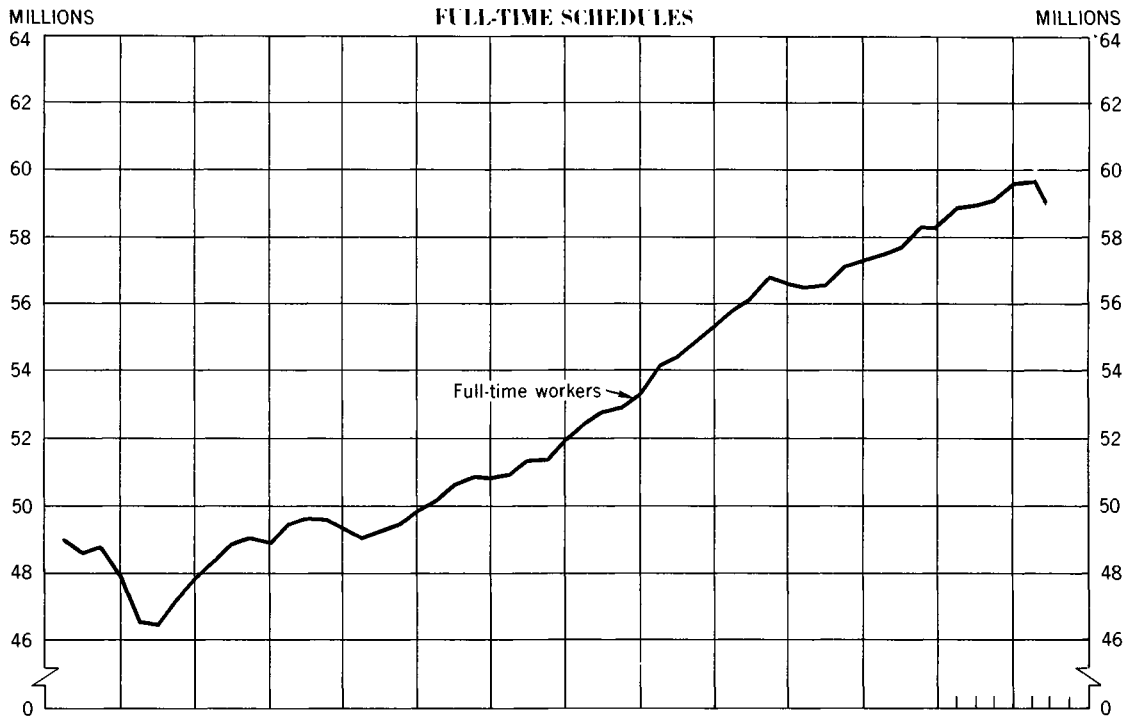


Chart 7.

UNEMPLOYMENT RATES BY OCCUPATION

1958 to date
(Seasonally adjusted quarterly averages)



Chart 8.

UNEMPLOYMENT RATES BY COLOR

1957 to date

(Seasonally adjusted quarterly averages)

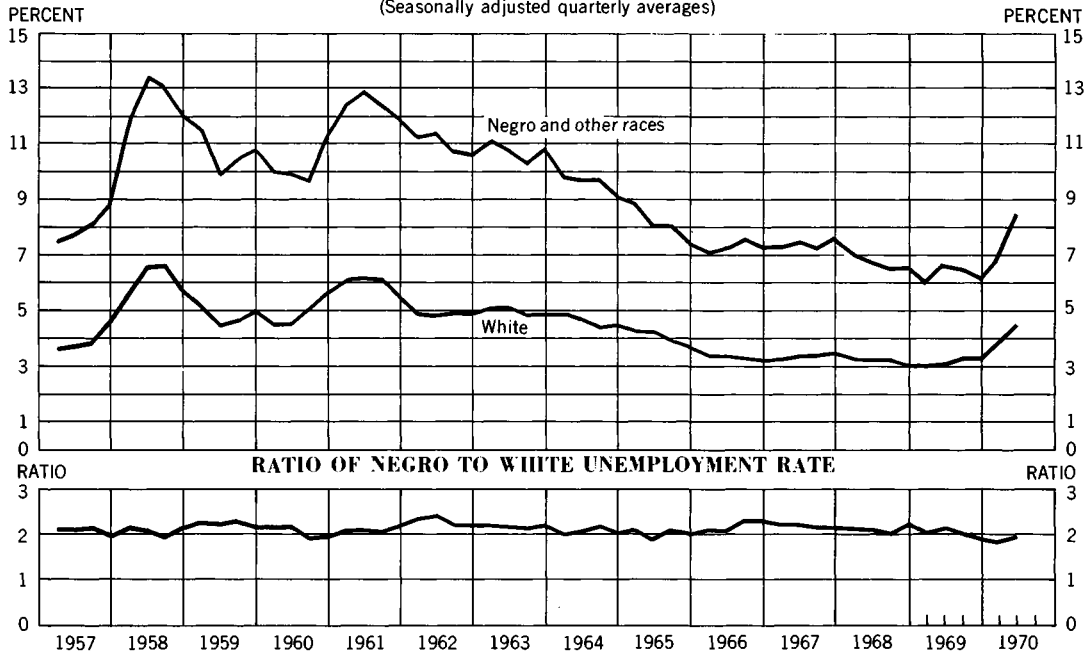
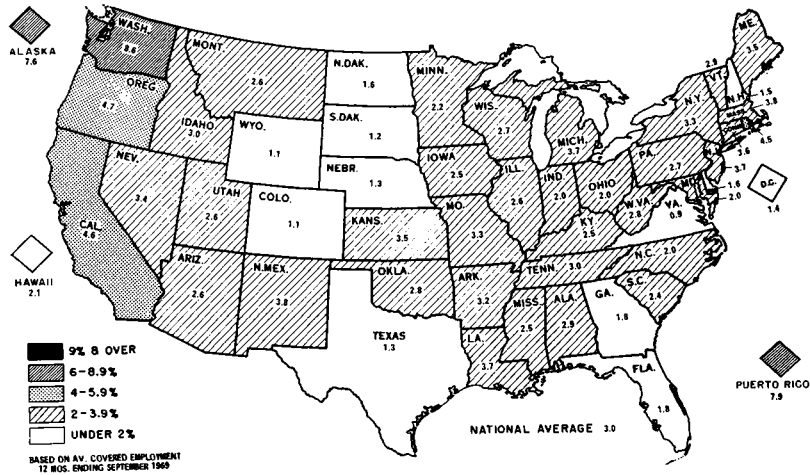


Chart 9.

STATE INSURED UNEMPLOYMENT RATES

Week ending June 13, 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: June.....	137,737	85,880	62.4	82,356	78,956	4,367	74,589	3,400	4.1	3.4	51,857
September.....	138,317	84,527	61.1	80,984	78,026	3,629	74,397	2,958	3.7	3.8	53,790
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

¹Not available.

HOUSEHOLD DATA

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

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force		
									Not season- ally adjusted	Season- ally adjusted	
MALE											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,854	1,403	2.8	-	12,677
1969: June.....	66,325	55,001	82.9	51,517	49,937	3,442	46,495	1,580	3.1	2.7	11,324
December.....	66,845	53,401	79.9	50,000	48,538	2,511	46,027	1,462	2.9	2.9	13,444
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
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: June.....	71,412	30,879	43.2	30,839	29,019	925	28,094	1,819	5.9	4.7	40,533
December.....	72,083	31,455	43.6	31,416	30,250	473	29,777	1,166	3.7	4.5	40,629
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	1,561	5.0	5.9	41,639
June.....	72,705	31,572	43.4	31,533	29,395	867	28,528	2,137	6.8	5.5	41,133

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

June 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	55,657	82.7	52,518	49,986	2,531	4.8	11,684	231	1,897	1,537	8,019
16 to 21 years	8,382	76.0	7,037	5,833	1,204	17.1	2,654	20	1,560	47	1,027
16 to 19 years	5,303	70.5	4,916	3,968	947	19.3	2,219	16	1,322	30	850
16 and 17 years	2,373	61.3	2,346	1,842	504	21.5	1,501	8	913	19	560
18 and 19 years	2,931	80.3	2,570	2,126	444	17.3	718	8	409	11	290
20 to 64 years	48,154	93.1	45,402	43,884	1,519	3.3	3,586	69	575	924	2,017
20 to 24 years	7,665	90.2	5,978	5,462	515	8.6	834	3	431	33	366
25 to 54 years	33,327	96.2	32,266	31,428	838	2.6	1,333	32	143	500	657
25 to 29 years	6,531	96.2	6,138	5,900	238	3.9	257	2	94	48	113
30 to 34 years	5,450	97.5	5,192	5,035	157	3.0	142	1	21	50	71
35 to 39 years	5,268	97.6	5,029	4,920	108	2.2	128	4	14	51	57
40 to 44 years	5,577	96.8	5,475	5,355	121	2.2	187	6	5	88	88
45 to 49 years	5,585	95.5	5,537	5,415	122	2.2	263	12	8	128	116
50 to 54 years	4,916	93.3	4,895	4,804	92	1.9	355	7	1	135	212
55 to 64 years	7,162	83.5	7,158	6,993	165	2.3	1,419	34	1	391	993
55 to 59 years	4,227	89.7	4,224	4,119	105	2.5	487	11	--	194	283
60 to 64 years	2,935	75.9	2,935	2,875	60	2.0	932	23	1	197	710
65 years and over	2,200	27.2	2,200	2,134	65	3.0	5,879	145	--	582	5,152
65 to 69 years	1,324	43.1	1,324	1,279	45	3.4	1,745	32	--	161	1,552
70 years and over	875	17.5	875	855	20	2.3	4,134	113	--	421	3,600
White											
16 years and over	49,975	82.9	47,145	45,118	2,027	4.3	10,277	185	1,584	1,236	7,273
16 to 21 years	7,384	77.0	6,162	5,229	934	15.2	2,200	15	1,286	35	864
16 to 19 years	4,676	71.7	4,320	3,587	733	17.0	1,846	13	1,098	24	711
16 and 17 years	2,100	62.6	2,074	1,682	392	18.9	1,253	5	758	17	473
18 and 19 years	2,577	81.3	2,246	1,905	341	15.2	593	8	341	7	238
20 to 64 years	43,314	93.5	40,841	39,601	1,240	3.0	3,020	55	485	738	1,742
20 to 24 years	6,766	90.5	5,231	4,810	421	8.0	708	1	363	24	321
25 to 54 years	30,000	96.6	29,065	28,388	676	2.3	1,047	24	121	372	529
25 to 34 years	10,675	97.1	10,104	9,803	301	3.0	323	2	99	75	148
35 to 44 years	9,746	97.6	9,447	9,265	182	1.9	242	8	14	104	116
45 to 54 years	9,579	95.2	9,515	9,321	194	2.0	482	14	9	193	265
55 to 64 years	6,548	83.8	6,545	6,401	144	2.2	1,265	30	1	342	892
55 to 59 years	3,864	90.2	3,861	3,773	89	2.3	418	9	--	168	241
60 to 64 years	2,684	76.0	2,683	2,628	55	2.1	847	20	2	174	651
65 years and over	1,984	26.8	1,984	1,930	54	2.7	5,411	117	--	474	4,820
Negro and other races											
16 years and over	5,683	80.2	5,373	4,869	504	9.4	1,407	46	314	301	746
16 to 21 years	997	68.7	875	604	271	30.9	454	6	273	12	163
16 to 19 years	627	62.7	595	381	214	36.0	373	3	224	6	139
16 and 17 years	273	52.4	271	160	111	41.0	248	3	156	2	87
18 and 19 years	354	73.9	324	221	103	31.7	125	--	69	4	52
20 to 64 years	4,840	89.5	4,562	4,284	278	6.1	566	15	89	187	275
20 to 24 years	899	87.7	746	652	95	12.7	126	3	68	10	45
25 to 54 years	3,327	92.1	3,201	3,040	162	5.1	286	7	22	127	128
25 to 34 years	1,306	94.5	1,227	1,132	95	7.8	76	1	16	23	36
35 to 44 years	1,099	93.8	1,057	1,010	47	4.5	73	2	5	35	30
45 to 54 years	922	87.1	918	898	20	2.2	136	5	--	69	63
55 to 64 years	614	79.9	614	592	22	3.5	155	5	--	49	101
55 to 59 years	363	84.0	363	346	17	4.6	69	2	--	26	42
60 to 64 years	251	74.6	251	246	5	2.0	85	3	--	23	60
65 years and over	216	31.5	216	204	12	5.4	468	28	--	108	332

A-3: Employment status of the noninstitutional population by sex, age, and color--Continued
 June 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	31,572	43.4	31,533	29,395	2,137	6.8	41,133	35,537	1,916	855	2,824
16 to 21 years	5,811	53.6	5,792	4,726	1,066	18.4	5,031	2,019	1,691	27	1,293
16 to 19 years	3,716	50.4	3,707	2,872	835	22.5	3,656	1,055	1,487	13	1,102
16 and 17 years	1,562	41.2	1,562	1,163	399	25.5	2,230	373	1,027	--	831
18 and 19 years	2,154	60.2	2,145	1,709	436	20.3	1,426	682	460	14	271
20 to 64 years	26,816	49.3	26,786	25,516	1,271	4.7	27,625	25,890	421	288	1,028
20 to 24 years	4,875	57.7	4,856	4,401	456	9.4	3,574	2,932	315	20	306
25 to 54 years	17,801	49.0	17,789	17,094	696	3.9	18,551	17,830	105	143	475
25 to 29 years	3,030	44.0	3,026	2,876	150	5.0	3,857	3,693	47	13	105
30 to 34 years	2,514	43.5	2,512	2,384	128	5.1	3,259	3,157	19	16	67
35 to 39 years	2,694	48.1	2,692	2,584	108	4.0	2,912	2,815	21	20	56
40 to 44 years	3,130	51.5	3,128	3,015	113	3.6	2,951	2,860	9	23	59
45 to 49 years	3,408	54.2	3,407	3,314	93	2.7	2,876	2,758	4	22	92
50 to 54 years	3,024	52.9	3,023	2,921	102	3.4	2,695	2,546	5	49	96
55 to 64 years	4,140	42.9	4,140	4,021	119	2.9	5,501	5,128	1	126	247
55 to 59 years	2,567	49.4	2,567	2,491	75	2.9	2,631	2,462	1	58	109
60 to 64 years	1,574	35.4	1,574	1,530	44	2.8	2,870	2,665	--	68	137
65 years and over	1,040	9.5	1,040	1,008	31	3.0	9,851	8,593	9	553	695
65 to 69 years	644	17.3	644	619	25	3.9	3,068	2,831	4	62	172
70 years and over	396	5.5	396	390	6	1.5	6,782	5,762	5	491	524
White											
16 years and over	27,384	42.4	27,348	25,715	1,633	6.0	37,213	32,434	1,595	665	2,518
16 to 21 years	5,068	54.3	5,050	4,264	786	15.6	4,273	1,696	1,419	20	1,137
16 to 19 years	3,242	51.1	3,233	2,623	610	18.9	3,101	871	1,253	9	968
16 and 17 years	1,370	42.0	1,370	1,064	306	22.3	1,890	304	856	--	730
18 and 19 years	1,872	60.7	1,863	1,559	304	16.3	1,212	567	397	9	238
20 to 64 years	23,213	48.1	23,186	22,194	992	4.3	25,005	23,545	334	215	912
20 to 24 years	4,244	57.7	4,228	3,885	343	8.1	3,116	2,571	252	14	279
25 to 54 years	15,262	47.5	15,251	14,702	549	3.6	16,843	16,255	82	98	408
25 to 29 years	4,626	41.7	4,620	4,413	207	4.5	6,461	6,243	50	22	145
30 to 34 years	4,968	48.4	4,965	4,782	183	3.7	5,291	5,135	23	27	106
35 to 44 years	5,667	52.7	5,665	5,507	159	2.8	5,091	4,877	9	48	157
55 to 64 years	3,708	42.4	3,707	3,607	100	2.7	5,045	4,718	--	104	225
55 to 59 years	2,297	48.9	2,297	2,233	64	2.8	2,400	2,246	--	53	102
60 to 64 years	1,410	34.8	1,410	1,374	36	2.5	2,646	2,472	--	51	123
65 years and over	929	9.3	929	898	31	3.4	9,107	8,018	9	441	638
Negro and other races											
16 years and over	4,188	51.7	4,184	3,680	505	12.1	3,920	3,103	321	189	306
16 to 21 years	743	49.5	741	462	279	37.7	759	323	272	7	156
16 to 19 years	474	46.1	474	248	225	47.6	555	184	234	4	134
16 and 17 years	192	36.0	192	99	93	48.5	341	69	171	--	101
18 and 19 years	282	56.9	281	149	132	46.9	214	114	63	4	32
20 to 64 years	3,603	57.9	3,600	3,321	279	7.8	2,621	2,345	87	73	116
20 to 24 years	631	58.0	629	515	113	18.0	457	361	63	6	28
25 to 54 years	2,539	59.8	2,538	2,391	147	5.8	1,708	1,574	22	45	66
25 to 29 years	919	58.4	918	846	72	7.8	656	606	15	7	27
30 to 34 years	856	60.0	856	817	38	4.5	572	540	7	15	10
35 to 44 years	765	61.4	765	729	36	4.7	480	427	--	23	30
55 to 64 years	433	48.7	433	414	19	4.4	455	410	2	22	21
55 to 59 years	270	53.8	270	259	11	4.1	231	217	2	5	8
60 to 64 years	163	42.2	163	155	8	5.0	224	193	--	17	14
65 years and over	111	12.9	111	111	--	--	744	575	--	112	57

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	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
MALE								
16 years and over	55,657	55,001	82.7	82.9	52,518	51,517	81.8	82.0
16 to 19 years	5,303	5,195	70.5	70.8	4,916	4,808	68.9	69.2
16 and 17 years	2,373	2,327	61.3	61.7	2,346	2,302	61.0	61.5
18 and 19 years	2,931	2,868	80.3	80.4	2,570	2,506	78.2	78.2
20 to 24 years	7,665	7,458	90.2	91.1	5,978	5,627	87.8	88.5
25 to 54 years	33,327	33,103	96.2	96.3	32,266	31,841	96.0	96.2
25 to 34 years	11,980	11,756	96.8	97.4	11,330	10,988	96.6	97.2
35 to 44 years	10,846	10,933	97.2	96.9	10,504	10,535	97.1	96.8
45 to 54 years	10,501	10,415	94.4	94.6	10,433	10,318	94.4	94.5
55 to 64 years	7,162	7,059	83.5	83.5	7,158	7,054	83.5	83.5
55 to 59 years	4,227	4,174	89.7	89.8	4,224	4,170	89.7	89.8
60 to 64 years	2,935	2,885	75.9	75.8	2,935	2,884	75.9	75.8
65 years and over	2,200	2,187	27.2	27.4	2,200	2,187	27.2	27.4
White								
16 years and over	49,975	49,435	82.9	83.2	47,145	46,333	82.1	82.3
16 to 19 years	4,676	4,584	71.7	72.0	4,320	4,241	70.1	70.4
16 and 17 years	2,100	2,052	62.6	62.7	2,074	2,030	62.3	62.5
18 and 19 years	2,577	2,532	81.3	81.8	2,246	2,211	79.1	79.7
20 to 24 years	6,766	6,565	90.5	90.9	5,231	4,916	88.1	88.2
25 to 54 years	30,000	29,819	96.6	96.8	29,065	28,713	96.5	96.7
25 to 34 years	10,675	10,484	97.1	97.6	10,104	9,819	96.9	97.4
35 to 44 years	9,746	9,852	97.6	97.5	9,447	9,499	97.5	97.4
45 to 54 years	9,579	9,482	95.2	95.1	9,515	9,395	95.2	95.1
55 to 64 years	6,548	6,457	83.8	83.9	6,545	6,452	83.8	83.9
55 to 59 years	3,864	3,815	90.2	90.4	3,861	3,811	90.2	90.4
60 to 64 years	2,684	2,642	76.0	76.0	2,683	2,641	76.0	76.0
65 years and over	1,984	2,011	26.8	27.5	1,984	2,011	26.8	27.5
Negro and other races								
16 years and over	5,683	5,566	80.2	80.6	5,373	5,184	79.2	79.4
16 to 19 years	627	611	62.7	63.1	595	569	61.5	61.4
16 and 17 years	273	275	52.4	55.2	271	272	52.3	55.0
18 and 19 years	354	336	73.9	71.4	324	295	72.1	68.7
20 to 24 years	899	893	87.7	92.6	746	710	85.6	90.8
25 to 54 years	3,327	3,284	92.1	92.5	3,201	3,128	91.8	92.2
25 to 34 years	1,306	1,272	94.5	95.7	1,227	1,169	94.1	95.3
35 to 44 years	1,099	1,080	93.8	92.1	1,057	1,036	93.6	91.8
45 to 54 years	922	932	87.1	89.1	918	924	87.1	89.0
55 to 64 years	614	602	79.9	79.4	614	602	79.9	79.3
55 to 59 years	363	359	84.0	84.2	363	359	84.0	84.2
60 to 64 years	251	243	74.6	73.1	251	243	74.6	73.1
65 years and over	216	176	31.5	26.3	216	176	31.5	26.3

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	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
FEMALE								
16 years and over	31,572	30,879	43.4	43.2	31,533	30,839	43.3	43.2
16 to 19 years	3,716	3,696	50.4	51.6	3,707	3,687	50.3	51.5
16 and 17 years	1,562	1,538	41.2	41.8	1,562	1,538	41.2	41.8
18 and 19 years	2,154	2,158	60.2	61.8	2,145	2,148	60.1	61.7
20 to 24 years	4,875	4,691	57.7	57.8	4,856	4,673	57.6	57.7
25 to 54 years	17,801	17,316	49.0	48.1	17,789	17,304	49.0	48.1
25 to 34 years	5,545	5,284	43.8	42.8	5,538	5,278	43.8	42.8
35 to 44 years	5,824	5,781	49.8	48.9	5,821	5,777	49.8	48.9
45 to 54 years	6,432	6,250	53.6	52.7	6,430	6,249	53.6	52.7
55 to 64 years	4,140	4,091	42.9	43.3	4,140	4,090	42.9	43.3
55 to 59 years	2,567	2,569	49.4	50.3	2,567	2,569	49.4	50.3
60 to 64 years	1,574	1,521	35.4	35.0	1,574	1,521	35.4	35.0
65 years and over	1,040	1,085	9.5	10.2	1,040	1,085	9.5	10.2
White								
16 years and over	27,384	26,879	42.4	42.3	27,348	26,844	42.4	42.3
16 to 19 years	3,242	3,256	51.1	52.7	3,233	3,247	51.0	52.7
16 and 17 years	1,370	1,357	42.0	42.8	1,370	1,357	42.0	42.8
18 and 19 years	1,872	1,899	60.7	63.2	1,863	1,890	60.6	63.1
20 to 24 years	4,244	4,095	57.7	57.7	4,228	4,079	57.6	57.6
25 to 54 years	15,262	14,875	47.5	46.7	15,251	14,864	47.5	46.7
25 to 34 years	4,626	4,415	41.7	40.8	4,620	4,410	41.7	40.8
35 to 44 years	4,968	4,937	48.4	47.5	4,965	4,933	48.4	47.4
45 to 54 years	5,667	5,523	52.7	51.9	5,665	5,521	52.7	51.9
55 to 64 years	3,708	3,679	42.4	42.8	3,707	3,679	42.4	42.8
55 to 59 years	2,297	2,292	48.9	49.6	2,297	2,292	48.9	49.6
60 to 64 years	1,410	1,387	34.8	34.9	1,410	1,387	34.8	34.9
65 years and over	929	975	9.3	9.9	929	975	9.3	9.9
Negro and other races								
16 years and over	4,188	3,999	51.7	50.9	4,184	3,995	51.6	50.8
16 to 19 years	474	441	46.1	44.4	474	440	46.0	44.3
16 and 17 years	192	182	36.0	35.7	192	181	36.0	35.7
18 and 19 years	282	259	56.9	53.5	281	258	56.8	53.4
20 to 24 years	631	597	58.0	58.5	629	594	57.9	58.5
25 to 54 years	2,539	2,441	59.8	58.8	2,538	2,440	59.8	58.8
25 to 34 years	919	869	58.4	57.3	918	868	58.3	57.3
35 to 44 years	856	845	60.0	59.4	856	844	59.9	59.4
45 to 54 years	765	727	61.4	59.8	765	727	61.4	59.8
55 to 64 years	433	411	48.7	47.6	433	411	48.7	47.6
55 to 59 years	270	277	53.8	56.8	270	277	53.8	56.8
60 to 64 years	163	134	42.2	35.6	163	134	42.2	35.6
65 years and over	111	110	12.9	13.2	111	110	12.9	13.2

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex
June 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	21,878	11,035	10,842	18,925	9,584	9,340	2,953	1,451	1,502
Total labor force	14,192	8,382	5,811	12,452	7,384	5,068	1,740	997	743
Percent of population	64.9	76.0	53.6	65.8	77.0	54.3	58.9	68.7	49.5
Civilian labor force	12,828	7,037	5,792	11,213	6,162	5,050	1,616	875	741
Employed	10,558	55,833	4,726	9,493	5,229	4,264	1,066	604	462
Agriculture	756	638	118	647	554	93	109	84	25
Nonagricultural industries	9,802	5,194	4,608	8,845	4,674	4,171	957	520	437
Unemployed	2,270	1,204	1,066	1,720	934	786	550	271	279
Percent of labor force	17.7	17.1	18.4	15.3	15.2	15.6	34.0	30.9	37.7
Looking for full-time work	1,809	985	824	1,369	761	608	440	223	216
Looking for part-time work	461	220	242	351	172	178	110	47	63
Not in labor force	7,685	2,654	5,031	6,473	2,200	4,273	1,213	454	759
Major activity: going to school									
Civilian labor force	1,422	817	605	1,283	752	531	139	65	75
Employed	1,164	668	496	1,088	627	461	75	41	35
Agriculture	42	39	3	38	36	2	4	3	1
Nonagricultural industries	1,122	629	493	1,050	591	459	71	38	33
Unemployed	258	149	110	194	125	70	64	24	40
Percent of labor force	18.2	18.2	18.1	15.1	16.6	13.1	46.0	37.1	53.6
Looking for full-time work	136	78	58	112	65	47	24	14	11
Looking for part-time work	122	70	52	82	60	23	40	10	29
Not in labor force	3,251	1,560	1,691	2,705	1,286	1,419	546	273	272
Major activity: other									
Civilian labor force	11,407	6,220	5,187	9,930	5,410	4,520	1,477	810	667
Employed	9,395	5,165	4,230	8,404	4,601	3,803	991	563	427
Agriculture	714	599	115	609	518	91	105	81	24
Nonagricultural industries	8,681	4,565	4,115	7,795	4,083	3,712	886	482	404
Unemployed	2,012	1,056	956	1,526	809	717	486	247	239
Percent of labor force	17.6	17.0	18.4	15.4	15.0	15.9	32.9	30.4	35.9
Looking for full-time work	1,673	906	767	1,258	697	561	415	210	206
Looking for part-time work	339	149	190	268	112	156	71	37	34
Not in labor force	4,434	1,094	3,340	3,767	914	2,854	667	180	486

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	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
	Total							
Total noninstitutional population	140,046	137,737	59,819	58,990	65,332	64,245	14,894	14,502
Total labor force	87,230	85,880	50,354	49,807	27,856	27,182	9,019	8,891
Percent of population	62.3	62.4	84.2	84.4	42.6	42.3	60.6	61.3
Civilian labor force	84,050	82,356	47,602	46,709	27,826	27,152	8,622	8,495
Employed	79,382	78,956	46,018	45,804	26,524	26,094	6,840	7,058
Agriculture	4,208	4,367	2,801	2,879	770	820	637	668
Nonagricultural industries	75,174	74,589	43,218	42,925	25,754	25,275	6,203	6,390
Unemployed	4,669	3,400	1,584	905	1,302	1,058	1,783	1,437
Percent of labor force	5.6	4.1	3.3	1.9	4.7	3.9	20.7	16.9
Not in labor force	52,816	51,857	9,465	9,184	37,476	37,063	5,875	5,611
White								
Total noninstitutional population	124,848	122,966	53,729	53,050	58,254	57,375	12,865	12,541
Total labor force	77,358	76,314	45,298	44,851	24,142	23,624	7,918	7,840
Percent of population	62.0	62.1	84.3	84.5	41.4	41.2	61.5	62.5
Civilian labor force	74,493	73,177	42,825	42,092	24,115	23,597	7,554	7,488
Employed	70,833	70,545	41,531	41,366	23,092	22,771	6,210	6,407
Agriculture	3,696	3,784	2,481	2,565	674	664	540	556
Nonagricultural industries	67,137	66,761	39,049	38,802	22,418	22,107	5,670	5,852
Unemployed	3,660	2,632	1,294	726	1,023	826	1,343	1,081
Percent of labor force	4.9	3.6	3.0	1.7	4.2	3.5	17.8	14.4
Not in labor force	47,490	46,652	8,431	8,199	34,112	33,751	4,947	4,701
Negro and other races								
Total noninstitutional population	15,197	14,771	6,090	5,940	7,078	6,870	2,029	1,961
Total labor force	9,871	9,566	5,056	4,956	3,714	3,559	1,101	1,051
Percent of population	65.0	64.8	83.0	83.4	52.5	51.8	54.3	53.6
Civilian labor force	9,557	9,179	4,778	4,617	3,711	3,555	1,069	1,007
Employed	8,549	8,412	4,488	4,437	3,432	3,323	629	651
Agriculture	512	583	319	315	96	156	97	113
Nonagricultural industries	8,037	7,829	4,168	4,123	3,336	3,167	533	538
Unemployed	1,009	767	290	179	279	232	439	356
Percent of labor force	10.6	8.4	6.1	3.9	7.5	6.5	41.1	35.3
Not in labor force	5,326	5,205	1,034	985	3,365	3,311	928	909

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

June 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	73,555	66,779	2,831	3,945	5.4	10,496	9,772	724	6.9
16 to 21 years	9,599	6,701	1,089	1,809	18.8	3,230	2,769	461	14.3
16 to 19 years	5,904	3,655	866	1,383	23.4	2,718	2,319	399	14.7
16 and 17 years	2,185	1,063	494	627	28.7	1,723	1,447	275	16.0
18 and 19 years	3,719	2,591	372	756	20.3	996	872	124	12.5
20 years and over	67,651	63,124	1,965	2,562	3.8	7,777	7,453	325	4.2
20 to 24 years	9,769	8,486	428	855	8.8	1,065	949	116	10.9
25 years and over	57,882	54,638	1,536	1,706	2.9	6,712	6,504	208	3.1
25 to 54 years	45,868	43,339	1,132	1,398	3.0	4,187	4,051	136	3.2
55 years and over	12,014	11,300	404	309	2.6	2,524	2,452	72	2.9
MALE									
16 years and over	49,035	45,290	1,501	2,244	4.6	3,483	3,195	288	8.3
16 to 21 years	5,372	3,771	616	985	18.3	1,665	1,446	220	13.2
16 to 19 years	3,467	2,210	497	761	21.9	1,448	1,261	187	12.9
20 years and over	45,567	43,081	1,004	1,483	3.3	2,035	1,934	101	5.0
20 to 24 years	5,567	4,853	246	465	8.4	413	363	50	12.2
25 years and over	40,004	38,228	757	1,018	2.5	1,621	1,571	51	3.1
25 to 54 years	31,785	30,414	547	823	2.6	481	467	15	3.1
55 years and over	8,219	7,814	210	195	2.4	1,140	1,104	36	3.2
FEMALE									
16 years and over	24,520	21,489	1,330	1,701	6.9	7,013	6,577	436	6.2
16 to 21 years	4,227	2,930	473	824	19.5	1,565	1,323	242	15.4
16 to 19 years	2,437	1,445	369	622	25.5	1,270	1,057	213	16.7
20 years and over	22,083	20,043	961	1,079	4.9	5,743	5,519	224	3.9
20 to 24 years	4,205	3,633	182	390	9.3	652	586	66	10.1
25 years and over	17,879	16,411	780	688	3.8	5,091	4,933	158	3.1
25 to 54 years	14,083	12,924	585	574	4.1	3,706	3,585	122	3.3
55 years and over	3,796	3,487	195	114	3.0	1,385	1,348	37	2.7

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

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
Total, 16 years and over	2,531	1,580	4.8	3.1	2,137	1,819	6.8	5.9
16 to 19 years	947	675	19.3	14.0	835	761	22.5	20.7
16 and 17 years	504	392	21.5	17.0	399	371	25.5	24.1
18 and 19 years	444	283	17.3	11.3	436	390	20.3	18.2
20 years and over	1,584	905	3.3	1.9	1,302	1,058	4.7	3.9
20 to 24 years	515	325	8.6	5.8	456	347	9.4	7.4
25 years and over	1,069	580	2.6	1.4	847	711	3.7	3.2
25 to 34 years	396	172	3.5	1.6	279	261	5.0	4.9
35 to 44 years	229	153	2.2	1.4	222	179	3.8	3.1
45 to 54 years	214	111	2.0	1.1	195	160	3.0	2.6
55 to 64 years	165	105	2.3	1.5	119	86	2.9	2.1
55 to 59 years	105	61	2.5	1.5	75	52	2.9	2.0
60 to 64 years	60	43	2.0	1.5	44	34	2.8	2.2
65 years and over	65	40	3.0	1.8	31	26	3.0	2.4
Household head, 16 years and over	1,020	565	2.4	1.4	247	222	3.9	3.5
16 to 24 years	145	80	4.5	2.5	39	34	6.4	5.7
25 to 54 years	658	346	2.2	1.2	135	134	3.8	3.8
55 years and over	217	139	2.4	1.6	73	53	3.3	2.4

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	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
Total, 16 years and over	2,531	1,580	4.8	3.1	2,137	1,819	6.8	5.9
Married, spouse present	863	492	2.2	1.3	817	680	4.5	3.9
Widowed, divorced, or separated	191	84	6.7	3.2	254	228	4.4	4.0
Single (never married)	1,477	1,004	13.8	9.9	1,066	911	13.7	11.8
Total, 20 to 64 years of age	1,519	865	3.3	1.9	1,271	1,032	4.7	4.0
Married, spouse present	798	450	2.2	1.2	731	608	4.2	3.6
Widowed, divorced, or separated	176	76	7.0	3.2	226	198	4.5	4.0
Single (never married)	545	338	9.2	6.2	314	226	7.3	5.3
White, 16 years and over	2,027	1,233	4.3	2.7	1,633	1,400	6.0	5.2
Married, spouse present	738	414	2.1	1.2	661	561	4.1	3.6
Widowed, divorced, or separated	136	68	6.1	3.2	183	160	4.0	3.5
Single (never married)	1,153	750	12.4	8.5	789	680	11.7	10.1
White, 20 to 64 years of age	1,240	691	3.0	1.7	992	800	4.3	3.5
Married, spouse present	685	378	2.0	1.1	595	496	3.8	3.3
Widowed, divorced, or separated	124	63	6.2	3.4	157	134	4.0	3.4
Single (never married)	431	250	8.4	5.2	239	170	6.4	4.6
Negro and other races, 16 years and over	504	348	9.4	6.7	505	420	12.1	10.5
Married, spouse present	125	78	3.7	2.3	156	120	7.9	6.3
Widowed, divorced, or separated	55	16	9.1	3.0	72	68	6.0	6.1
Single (never married)	324	254	23.7	20.1	277	232	27.6	23.7
Negro and other races, 20 to 64 years of age	278	174	6.1	3.9	279	232	7.8	6.7
Married, spouse present	113	73	3.5	2.2	135	112	7.1	6.1
Widowed, divorced, or separated	52	13	9.6	2.7	68	64	6.1	6.3
Single (never married)	114	88	14.4	12.4	75	56	12.8	9.5

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

Occupation	Thousands of persons		Unemployment rates					
	June 1970	June 1969	Total		Male		Female	
			June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
Total.....	4,669	3,400	5.6	4.1	4.8	3.1	6.8	5.9
White-collar workers.....	1,220	933	3.1	2.5	2.3	1.5	4.1	3.6
Professional and technical.....	266	228	2.4	2.2	2.2	1.4	2.8	3.5
Managers, officials, and proprietors.....	112	72	1.3	.9	1.2	.7	1.8	2.0
Clerical workers.....	634	464	4.4	3.3	3.8	2.6	4.6	3.6
Sales workers.....	209	168	4.1	3.4	3.2	2.1	5.3	5.1
Blue-collar workers.....	1,829	1,066	6.1	3.6	5.4	3.0	9.1	6.2
Craftsmen and foremen.....	368	166	3.5	1.6	3.5	1.5	3.7	4.2
Carpenters and other construction craftsmen.....	188	65	6.3	2.2	6.3	2.1	(1)	(1)
All other.....	180	101	2.4	1.4	2.3	1.2	3.7	3.9
Operatives.....	1,036	654	6.9	4.3	5.8	3.4	9.4	6.4
Drivers and deliverymen.....	118	59	4.6	2.3	4.6	2.3	(1)	(1)
All other.....	918	595	7.4	4.7	6.1	3.7	9.5	6.5
Nonfarm laborers.....	425	246	9.6	5.6	9.5	5.7	12.5	4.0
Construction laborers.....	123	66	12.0	6.4	11.9	6.4	(1)	(1)
All other.....	302	180	8.9	5.4	8.7	5.5	11.5	3.9
Service workers.....	609	526	6.0	5.3	6.8	5.2	5.6	5.4
Private household.....	89	67	5.6	4.1	(1)	(1)	5.8	4.1
All other.....	521	459	6.1	5.5	6.8	5.1	5.6	5.8
Farmers and farm laborers.....	72	74	1.8	1.8	1.7	1.6	2.3	2.7
No previous work experience.....	938	801	--	--	--	--	--	--
16 to 19 years.....	786	698	--	--	--	--	--	--
20 to 24 years.....	108	70	--	--	--	--	--	--
25 years and over.....	45	33	--	--	--	--	--	--

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					
	June 1970	June 1969	Total		Male		Female	
			June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
Total.....	100.0	100.0	5.6	4.1	4.8	3.1	6.8	5.9
Private wage and salary workers.....	69.3	63.5	5.3	3.6	4.9	2.9	6.0	4.9
Mining.....	.3	.6	2.9	3.7	2.9	3.7	(1)	(1)
Construction.....	7.3	4.5	8.5	3.9	8.6	4.0	6.6	2.4
Manufacturing.....	24.5	20.8	5.3	3.2	4.3	2.3	7.8	5.5
Durable goods.....	13.4	11.6	4.9	3.0	4.5	2.4	6.6	5.4
Primary metal industries.....	.9	.8	3.2	2.0	3.0	1.9	5.4	2.7
Fabricated metal products.....	2.3	1.8	6.0	3.4	6.0	3.1	6.3	4.3
Machinery.....	1.5	1.7	2.9	2.5	2.7	2.0	3.9	5.3
Electrical equipment.....	2.4	2.0	5.2	3.1	3.3	2.3	8.1	4.4
Motor vehicles and equipment.....	1.0	.9	4.1	2.4	3.9	2.1	5.6	5.3
All other transportation equipment.....	2.4	1.3	9.3	3.6	9.2	2.9	10.1	8.3
Other durable goods industries.....	2.8	3.1	4.9	3.7	4.5	2.7	6.5	7.1
Nondurable goods.....	11.1	9.2	5.8	3.5	4.0	2.2	8.6	5.6
Food and kindred products.....	2.7	2.7	7.2	4.9	5.2	2.9	12.8	10.7
Textile mill products.....	1.2	1.1	5.4	3.5	3.7	2.6	7.2	4.4
Apparel and other finished textile products.....	2.8	2.5	9.3	5.7	8.1	3.2	9.6	6.5
Other nondurable goods industries.....	4.3	2.9	4.3	2.2	3.2	1.7	6.9	3.5
Transportation and public utilities.....	3.5	2.8	3.5	2.0	3.4	1.9	3.6	2.7
Railroads and railway express.....	.3	.5	2.0	2.4	2.2	2.5	--	(1)
Other transportation.....	2.3	1.6	5.3	2.7	5.6	2.6	3.9	3.1
Communication and other public utilities.....	.9	.7	2.1	1.3	1.2	.5	3.8	2.7
Wholesale and retail trade.....	17.1	17.6	5.8	4.6	5.0	3.7	6.8	5.7
Finance, insurance, and real estate.....	2.5	2.1	3.1	2.1	2.8	1.7	3.3	2.4
Service industries.....	14.0	15.1	5.3	4.3	5.7	3.7	5.1	4.7
Professional services.....	4.3	5.4	3.4	3.2	4.0	2.7	3.2	3.5
All other service industries.....	9.7	9.8	7.1	5.3	6.8	4.4	7.2	5.9
Agricultural wage and salary workers.....	1.6	2.5	5.0	5.1	4.6	4.3	7.1	8.2
All other classes of workers.....	9.0	10.5	2.0	1.7	1.6	1.1	2.8	2.9
No previous work experience.....	20.1	23.6	--	--	--	--	--	--

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	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
Unemployment level												
Total unemployed, in thousands	4,669	3,400	1,584	905	1,302	1,058	1,783	1,437	3,660	2,632	1,009	767
Lost last job	1,598	875	911	427	540	336	147	112	1,267	681	331	194
Left last job	565	448	206	183	192	172	167	93	463	350	102	98
Reentered labor force	1,567	1,275	413	262	473	480	682	533	1,219	1,014	349	261
Never worked before	939	802	55	33	97	69	786	699	712	587	227	214
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	34.2	25.7	57.5	47.1	41.4	31.7	8.3	7.8	34.7	25.9	32.8	25.3
Left last job	12.1	13.2	13.0	20.2	14.8	16.3	9.4	6.5	12.6	13.3	10.2	12.8
Reentered labor force	33.6	37.5	26.1	28.9	36.3	45.4	38.3	37.1	33.3	38.5	34.6	34.0
Never worked before	20.1	23.6	3.5	3.7	7.5	6.6	44.1	48.6	19.5	22.3	22.5	27.9
Unemployment rate												
Total unemployment rate	5.6	4.1	3.3	1.9	4.7	3.9	20.7	16.9	4.9	3.6	10.6	8.4
Job-loser rate ¹	1.9	1.0	1.9	.9	1.9	1.2	1.7	1.3	1.7	.9	3.5	2.1
Job-leaver rate ¹ . . . . .	.7	.5	.4	.4	.7	.6	1.9	1.1	.6	.5	1.1	1.1
Reentrant rate ¹	1.9	1.5	.9	.6	1.7	1.8	7.9	6.3	1.6	1.4	3.6	2.8
New entrant rate ¹	1.1	1.0	.1	.1	.3	.3	9.1	8.2	1.0	.8	2.4	2.3

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

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

June 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	4,669	100.0	62.5	23.4	14.1	9.1	5.0
Lost last job	1,598	100.0	42.0	33.5	24.5	16.0	8.5
Left last job	565	100.0	63.5	22.8	13.6	9.4	4.2
Reentered labor force	1,567	100.0	71.7	18.9	9.4	5.7	3.8
Never worked before	939	100.0	81.7	13.8	4.5	3.0	1.5
Male, 20 years and over	1,584	100.0	47.9	30.3	21.8	14.2	7.6
Lost last job	911	100.0	39.0	34.6	26.3	17.0	9.3
Left last job	206	100.0	50.0	32.0	17.5	12.6	4.9
Reentered labor force	413	100.0	63.0	22.8	14.3	9.4	4.8
Never worked before	55	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,302	100.0	55.0	26.7	18.4	10.8	7.7
Lost last job	540	100.0	41.3	32.8	25.7	17.0	8.7
Left last job	192	100.0	62.0	22.9	15.1	8.3	6.8
Reentered labor force	473	100.0	62.6	23.5	13.7	5.9	7.8
Never worked before	97	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years	1,783	100.0	81.1	14.8	4.1	3.4	.7
Lost last job	147	100.0	62.6	29.9	8.2	5.4	2.7
Left last job	167	100.0	82.6	11.4	6.6	6.0	.6
Reentered labor force	682	100.0	83.1	13.2	3.8	3.4	.4
Never worked before	786	100.0	82.6	14.2	3.1	2.4	.6

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	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
Total.....	4,669	3,400	100.0	100.0	1,266	787	100.0	100.0
Less than 5 weeks.....	2,920	2,349	62.6	69.1	535	381	42.3	48.4
5 to 14 weeks.....	1,091	680	23.4	20.0	424	239	33.5	30.3
5 to 10 weeks.....	800	559	17.1	16.4	310	202	24.5	25.6
11 to 14 weeks.....	291	121	6.2	3.6	114	37	9.0	4.7
15 weeks and over.....	658	370	14.1	10.9	307	168	24.2	21.3
15 to 26 weeks.....	425	242	9.1	7.1	185	97	14.6	12.3
27 weeks and over.....	232	128	5.0	3.8	122	71	9.6	9.0
Average (mean) duration.....	7.6	6.7	--	--	11.2	11.6	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status
June 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	June 1970	June 1969	June 1970	June 1969
Total	4,669	2,920	1,091	425	232	62.5	69.1	14.1	10.9
16 to 21 years.....	2,270	1,787	377	84	22	78.7	82.5	4.7	3.7
16 to 19 years.....	1,783	1,445	265	61	12	81.0	83.1	4.1	3.1
20 to 24 years.....	971	630	234	62	45	64.8	71.1	11.0	9.1
25 to 44 years.....	1,125	537	357	151	79	47.7	57.5	20.4	16.6
45 years and over.....	790	308	234	151	97	39.0	45.2	31.4	26.1
Male	2,531	1,534	607	261	130	60.6	67.9	15.4	11.7
16 to 21 years.....	1,204	943	191	54	15	78.3	84.6	5.8	3.5
16 to 19 years.....	947	774	127	37	9	81.7	84.7	4.9	2.5
20 to 24 years.....	515	324	132	37	23	62.9	72.3	11.6	10.8
25 to 44 years.....	625	282	210	90	41	45.1	53.5	21.0	16.0
45 years and over.....	444	153	137	97	57	34.5	35.9	34.7	31.4
Female	2,137	1,386	484	164	103	64.9	70.1	12.5	10.2
16 to 21 years.....	1,066	844	186	29	7	79.2	80.7	3.4	3.8
16 to 19 years.....	835	671	138	24	3	80.3	81.8	3.2	3.6
20 to 24 years.....	456	306	103	25	23	67.1	70.0	10.4	7.5
25 to 44 years.....	501	255	146	61	38	50.9	60.0	19.8	17.3
45 years and over.....	346	155	97	54	40	44.7	54.0	27.1	21.2
White: Total	3,660	2,259	861	354	187	61.7	69.8	14.8	10.9
Male.....	2,027	1,227	484	211	105	60.5	69.2	15.6	12.1
Female.....	1,633	1,032	377	143	81	63.2	70.3	13.7	9.9
Negro and other races: Total	1,009	661	230	71	46	65.6	66.7	11.6	10.7
Male.....	504	307	123	50	24	60.9	63.5	14.7	10.0
Female.....	505	354	107	21	21	70.2	69.4	8.5	11.3
Male: Married, wife present	863	349	321	123	71	40.4	46.9	22.4	21.9
Widowed, divorced, or separated.....	191	85	49	44	13	44.3	(1)	30.2	(1)
Single (never married).....	1,477	1,100	238	94	45	74.5	79.9	9.4	5.5
Female: Married, husband present	817	449	223	95	51	55.0	63.9	17.8	15.1
Widowed, divorced, or separated.....	254	130	75	20	29	51.2	54.3	19.4	17.1
Single (never married).....	1,066	807	187	50	23	75.7	78.8	6.8	4.8

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

A-16: Unemployed persons by duration, occupation, and industry of last job
June 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	June	June	June	June
						1970	1969	1970	1969
OCCUPATION									
White-collar workers.....	1,220	724	316	117	64	59.3	65.5	14.8	12.3
Professional and managerial.....	378	196	110	46	26	51.9	65.3	19.0	14.3
Clerical workers.....	634	388	164	49	32	61.2	63.0	12.9	11.4
Sales workers.....	209	141	42	21	5	67.3	73.1	12.7	10.9
Blue-collar workers.....	1,829	972	503	228	125	53.2	59.7	19.3	16.2
Craftsmen and foremen.....	368	162	125	49	33	43.9	58.3	22.2	21.7
Operatives.....	1,036	544	296	128	67	52.5	56.7	18.9	17.5
Nonfarm laborers.....	425	267	82	51	25	62.7	68.7	18.0	8.9
Service workers.....	609	407	136	41	25	66.8	73.2	10.9	10.0
INDUSTRY ¹									
Agriculture.....	76	57	4	12	3	(2)	(2)	(2)	(2)
Construction.....	353	202	74	59	17	57.3	62.3	21.6	21.7
Manufacturing.....	1,149	560	344	165	80	48.8	57.0	21.3	16.7
Durable goods.....	633	217	208	111	43	42.8	53.6	24.3	19.8
Nondurable goods.....	517	289	136	54	37	56.0	61.2	17.6	12.9
Transportation and public utilities.....	178	89	62	12	16	50.0	58.5	15.3	19.2
Wholesale and retail trade.....	799	494	199	72	34	61.8	71.5	13.3	10.2
Finance and service industries.....	977	628	230	63	57	64.3	(2)	12.3	(2)
Public administration.....	123	78	31	7	7	63.4	(2)	11.5	(2)
No previous work experience.....	938	766	130	28	14	81.7	81.5	4.5	3.0

¹ Includes wage and salary workers only.

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

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

Age and type of industry	Total		Male		Female	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
All industries	79,382	78,956	49,986	49,937	29,395	29,019
16 to 19 years.....	6,840	7,058	3,968	4,133	2,872	2,925
16 and 17 years.....	3,005	3,077	1,842	1,910	1,163	1,167
18 and 19 years.....	3,835	3,981	2,126	2,223	1,709	1,758
20 to 24 years.....	9,863	9,628	5,462	5,301	4,401	4,327
25 to 54 years.....	48,522	48,110	31,428	31,406	17,094	16,704
25 to 34 years.....	16,194	15,833	10,935	10,816	5,260	5,017
35 to 44 years.....	15,874	15,980	10,275	10,382	5,599	5,598
45 to 54 years.....	16,454	16,297	10,219	10,208	6,235	6,089
55 to 64 years.....	11,014	10,954	6,993	6,949	4,021	4,005
55 to 59 years.....	6,610	6,626	4,119	4,109	2,491	2,517
60 to 64 years.....	4,404	4,328	2,875	2,841	1,530	1,487
65 years and over.....	3,143	3,205	2,134	2,147	1,008	1,059
Nonagricultural industries	75,174	74,589	46,646	46,495	28,528	28,094
16 to 19 years.....	6,203	6,390	3,428	3,570	2,774	2,820
16 and 17 years.....	2,608	2,633	1,511	1,544	1,097	1,090
18 and 19 years.....	3,594	3,757	1,917	2,027	1,677	1,730
20 to 24 years.....	9,570	9,327	5,219	5,066	4,351	4,261
25 to 54 years.....	46,525	46,043	29,968	29,883	16,557	16,160
25 to 34 years.....	15,654	15,275	10,536	10,399	5,118	4,877
35 to 44 years.....	15,229	15,273	9,813	9,882	5,417	5,391
45 to 54 years.....	15,642	15,495	9,619	9,602	6,023	5,893
55 to 64 years.....	10,257	10,156	6,376	6,300	3,882	3,856
55 to 59 years.....	6,224	6,203	3,818	3,773	2,406	2,430
60 to 64 years.....	4,034	3,954	2,558	2,527	1,476	1,426
65 years and over.....	2,618	2,673	1,655	1,676	963	997
Agriculture	4,208	4,367	3,340	3,442	867	925
16 to 19 years.....	637	668	540	563	97	106
16 and 17 years.....	397	444	330	366	66	78
18 and 19 years.....	240	225	209	197	31	28
20 to 24 years.....	293	301	243	235	49	66
25 to 54 years.....	1,997	2,067	1,460	1,523	536	543
25 to 34 years.....	540	558	399	417	141	140
35 to 44 years.....	644	707	462	501	182	207
45 to 54 years.....	812	802	600	606	212	196
55 to 64 years.....	757	798	617	649	139	149
55 to 59 years.....	386	424	301	336	86	88
60 to 64 years.....	370	374	317	313	54	61
65 years and over.....	525	532	479	471	46	61

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	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
Total	79,382	78,956	46,018	45,804	26,524	26,094	3,968	4,133	2,872	2,925
White-collar workers	37,752	36,611	19,461	18,811	16,064	15,526	724	736	1,503	1,539
Professional and technical	10,728	10,335	6,731	6,480	3,841	3,681	81	100	74	74
Medical and other health	1,694	1,694	685	683	978	987	1	4	29	20
Teachers, except college	2,257	2,026	737	618	1,509	1,403	5	2	6	3
Other professional and technical	6,777	6,616	5,309	5,179	1,354	1,290	75	95	40	51
Managers, officials, and proprietors	8,335	8,011	6,999	6,686	1,300	1,286	26	32	10	6
Salaried workers	6,101	5,644	5,182	4,752	882	862	26	27	10	3
Self-employed workers in retail trade	1,114	1,131	852	871	261	254	--	2	1	3
Self-employed workers, except retail trade	1,120	1,236	964	1,064	158	171	--	2	--	--
Clerical workers	13,819	13,527	3,247	3,175	9,147	8,848	322	358	1,103	1,147
Stenographers, typists, and secretaries	3,596	3,474	48	44	3,230	3,097	5	12	313	321
Other clerical workers	10,223	10,053	3,199	3,130	5,917	5,750	316	346	790	826
Sales workers	4,870	4,739	2,483	2,470	1,776	1,711	295	246	316	312
Retail trade	2,991	2,924	938	942	1,538	1,489	234	193	281	300
Other sales workers	1,879	1,815	1,545	1,528	238	222	61	53	34	11
Blue-collar workers	28,252	28,889	21,324	21,617	4,445	4,580	2,204	2,358	279	334
Craftsmen and foremen	10,260	10,287	9,649	9,678	298	298	299	299	15	12
Carpenters	847	901	824	873	1	1	20	27	1	--
Construction craftsmen, except carpenters	1,964	2,034	1,868	1,940	20	12	73	78	3	3
Mechanics and repairmen	2,749	2,724	2,597	2,564	28	36	124	123	1	2
Metal craftsmen, except mechanics	1,220	1,188	1,197	1,151	9	24	15	14	--	1
Other craftsmen and kindred workers	1,954	1,908	1,753	1,724	134	125	56	54	11	6
Foremen, not elsewhere classified	1,527	1,531	1,409	1,425	107	101	11	4	--	--
Operatives	13,983	14,488	8,824	9,090	4,036	4,136	890	967	233	295
Drivers and deliverymen	2,443	2,517	2,245	2,298	80	67	110	149	7	2
Other operatives	11,540	11,971	6,579	6,792	3,956	4,068	781	818	227	293
Durable goods manufacturing	4,739	5,047	3,203	3,444	1,282	1,284	204	231	52	88
Nondurable goods manufacturing	3,830	3,973	1,568	1,609	2,014	2,038	130	189	119	137
Other industries	2,971	2,951	1,808	1,739	660	746	447	398	56	68
Nonfarm laborers	4,008	4,115	2,851	2,849	111	146	1,015	1,092	31	27
Construction	901	969	709	747	3	1	189	219	--	2
Manufacturing	1,067	1,167	850	878	57	85	154	196	6	9
Other industries	2,040	1,979	1,292	1,225	51	60	673	677	25	17
Service workers	9,539	9,396	2,670	2,698	5,312	5,227	555	518	1,002	953
Private household workers	1,488	1,541	28	19	1,145	1,209	10	6	306	307
Service workers, except private household	8,051	7,855	2,642	2,679	4,168	4,018	546	512	696	646
Protective service workers	961	1,015	870	900	49	35	21	54	21	26
Waiters, cooks, and bartenders	2,238	2,124	398	410	1,319	1,284	150	131	371	299
Other service workers	4,853	4,716	1,375	1,369	2,800	2,699	374	328	304	321
Farm workers	3,838	4,059	2,564	2,678	702	761	485	521	88	99
Farmers and farm managers	1,938	2,002	1,806	1,890	111	101	21	8	--	3
Farm laborers and foremen	1,900	2,057	757	788	591	661	464	513	88	96
Paid workers	1,160	1,323	688	726	140	218	291	332	41	47
Unpaid family workers	740	735	69	61	452	442	172	182	47	49

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	June 1970	June 1969	June 1970	June 1969	June 1970	June 1969
Total						
Total employed (thousands)	79,382	78,956	49,986	49,937	29,395	29,019
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	47.6	46.4	40.4	39.1	59.8	58.8
Professional and technical	13.5	13.1	13.6	13.2	13.3	12.9
Managers, officials, and proprietors	10.5	10.1	14.1	13.5	4.5	4.5
Clerical workers	17.4	17.1	7.1	7.1	34.9	34.4
Sales workers	6.1	6.0	5.6	5.4	7.1	7.0
Blue-collar workers	35.6	36.6	47.1	48.0	16.1	16.9
Craftsmen and foremen	12.9	13.0	19.9	20.0	1.1	1.1
Operatives	17.6	18.3	19.4	20.1	14.5	15.3
Nonfarm laborers	5.0	5.2	7.7	7.9	.5	.6
Service workers	12.0	11.9	6.5	6.4	21.5	21.3
Private household workers	1.9	2.0	.1	.1	4.9	5.2
Other service workers	10.1	9.9	6.4	6.4	16.5	16.1
Farm workers	4.8	5.1	6.1	6.4	2.7	3.0
Farmers and farm managers	2.4	2.5	3.7	3.8	.4	.4
Farm laborers and foremen	2.4	2.6	2.4	2.6	2.3	2.6
White						
Total employed (thousands)	70,833	70,545	45,118	45,100	25,715	25,444
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.0	48.9	42.4	41.2	63.3	62.5
Professional and technical	14.1	13.7	14.3	13.9	13.8	13.4
Managers, officials, and proprietors	11.3	11.0	15.1	14.4	4.8	4.9
Clerical workers	17.9	17.7	7.1	7.0	36.9	36.6
Sales workers	6.6	6.5	6.0	5.8	7.8	7.7
Blue-collar workers	34.9	36.0	45.9	46.9	15.6	16.7
Craftsmen and foremen	13.6	13.6	20.6	20.6	1.1	1.1
Operatives	16.9	17.8	18.6	19.4	14.0	15.0
Nonfarm laborers	4.4	4.5	6.7	6.8	.5	.6
Service workers	10.4	10.2	5.7	5.7	18.5	18.1
Private household workers	1.2	1.2	(1)	(1)	3.1	3.3
Other service workers	9.3	9.0	5.7	5.7	15.4	14.7
Farm workers	4.7	5.0	6.0	6.3	2.6	2.7
Farmers and farm managers	2.6	2.7	3.8	4.0	.4	.4
Farm laborers and foremen	2.2	2.3	2.1	2.2	2.2	2.3
Negro and other races						
Total employed (thousands)	8,549	8,412	4,869	4,836	3,680	3,575
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	27.5	25.4	21.8	20.3	35.1	32.3
Professional and technical	8.7	7.7	7.8	6.3	9.8	9.7
Managers, officials, and proprietors	3.5	3.2	4.8	4.5	1.9	1.3
Clerical workers	13.4	12.6	7.7	7.5	20.9	19.4
Sales workers	2.0	1.9	1.5	2.0	2.5	1.8
Blue-collar workers	41.4	41.6	57.9	58.8	19.7	18.4
Craftsmen and foremen	7.7	8.2	13.0	13.8	.7	.7
Operatives	23.6	22.6	27.5	26.7	18.4	16.9
Nonfarm laborers	10.1	10.8	17.4	18.3	.5	.8
Service workers	25.5	26.4	13.1	13.1	42.0	44.3
Private household workers	7.7	8.1	.3	.2	17.5	18.7
Other service workers	17.8	18.3	12.8	12.9	24.6	25.6
Farm workers	5.5	6.6	7.3	7.8	3.2	4.9
Farmers and farm managers	1.3	1.2	2.0	1.8	.2	.3
Farm laborers and foremen	4.3	5.4	5.3	6.0	3.0	4.6

A-20: Employed persons by class of worker, sex, and age
 June 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	69,548	1,717	11,976	55,856	5,130	496	1,453	2,000	754
16 to 19 years.....	6,115	404	558	5,153	49	38	389	25	224
16 and 17 years.....	2,561	308	217	2,036	35	13	236	10	151
18 and 19 years.....	3,554	97	342	3,116	14	25	152	15	73
20 to 24 years.....	9,357	73	1,422	7,862	191	22	175	58	60
25 to 34 years.....	14,820	151	2,510	12,159	769	66	228	231	82
35 to 44 years.....	13,990	196	2,527	11,268	1,133	106	207	309	128
45 to 54 years.....	14,149	316	2,827	11,007	1,338	154	183	488	141
55 to 64 years.....	9,054	343	1,816	6,895	1,116	87	173	490	94
55 to 59 years.....	5,523	192	1,117	4,215	647	54	88	239	60
60 to 64 years.....	3,531	151	699	2,681	470	33	85	252	34
65 years and over.....	2,062	235	316	1,512	532	23	99	400	26
Male	42,687	208	6,657	35,822	3,903	56	1,216	1,879	245
16 to 19 years.....	3,359	91	269	2,999	37	32	338	25	177
16 and 17 years.....	1,473	72	119	1,282	27	11	203	10	117
18 and 19 years.....	1,886	19	151	1,717	10	21	135	15	59
20 to 24 years.....	5,079	13	627	4,440	128	11	148	56	39
25 to 34 years.....	9,963	7	1,440	8,515	569	4	179	214	5
35 to 44 years.....	8,917	11	1,464	7,442	895	1	159	294	9
45 to 54 years.....	8,596	15	1,639	6,943	1,019	4	138	461	2
55 to 64 years.....	5,527	28	1,011	4,488	850	--	159	453	6
55 to 59 years.....	3,326	14	609	2,704	492	--	80	219	1
60 to 64 years.....	2,201	14	402	1,784	358	--	79	234	4
65 years and over.....	1,246	43	207	996	405	4	94	376	9
Female	26,861	1,508	5,319	20,033	1,227	440	237	121	509
16 to 19 years.....	2,756	313	289	2,154	12	6	50	--	47
16 and 17 years.....	1,087	235	98	754	8	2	33	--	33
18 and 19 years.....	1,669	78	191	1,400	4	4	17	--	14
20 to 24 years.....	4,278	60	795	3,422	63	11	27	1	21
25 to 34 years.....	4,857	144	1,070	3,644	199	62	48	17	77
35 to 44 years.....	5,074	185	1,063	3,826	239	104	48	15	120
45 to 54 years.....	5,553	301	1,188	4,064	320	150	46	27	140
55 to 64 years.....	3,527	314	805	2,408	267	88	14	38	88
55 to 59 years.....	2,197	178	508	1,511	155	54	7	20	58
60 to 64 years.....	1,330	137	297	897	112	34	6	18	30
65 years and over.....	816	191	109	516	127	19	5	24	17

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					
	June 1970	June 1969	Total		Wage and salary workers ¹			
			June 1970	June 1969	Paid absence ²		Unpaid absence ²	
					June 1970	June 1969	June 1970	June 1969
Total	5,456	5,238	5,378	5,146	2,791	2,852	2,194	1,978
Vacation	3,307	3,219	3,286	3,185	2,231	2,291	901	781
Illness	1,189	1,130	1,162	1,094	411	367	645	623
Bad weather	29	33	18	23	--	--	--	--
Industrial dispute	185	129	185	129	--	--	--	--
All other reasons	745	728	727	714	148	195	648	574
Male	2,972	2,852	2,906	2,765	1,705	1,725	979	877
Vacation	1,702	1,658	1,684	1,628	1,331	1,342	272	232
Illness	732	706	707	672	267	252	374	366
All other reasons	538	488	515	465	107	131	333	278
Female	2,484	2,386	2,472	2,381	1,086	1,127	1,214	1,102
Vacation	1,605	1,561	1,602	1,557	901	949	629	550
Illness	458	424	455	422	144	115	271	257
All other reasons	421	401	415	401	41	64	314	296

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

June 1970

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	73,926	69,796	4,130	100.0	100.0	100.0
1-34 hours	15,299	14,182	1,120	20.7	20.3	27.1
1-4 hours	684	626	59	.9	.9	1.4
5-14 hours	3,035	2,767	269	4.1	4.0	6.5
15-29 hours	7,348	6,774	575	9.9	9.7	13.9
30-34 hours	4,232	4,015	217	5.7	5.8	5.3
35 hours and over	58,626	55,617	3,009	79.3	79.7	72.9
35-39 hours	5,437	5,253	184	7.4	7.5	4.5
40 hours	31,514	31,101	413	42.6	44.6	10.0
41 hours and over	21,675	19,263	2,412	29.3	27.6	58.4
41 to 48 hours	8,690	8,340	350	11.8	11.9	8.5
49 to 59 hours	6,436	5,961	475	8.7	8.5	11.5
60 hours and over	6,549	4,962	1,587	8.9	7.1	38.4
Average hours, total at work	40.2	39.6	49.8	--	--	--
Average hours, workers on full-time schedules	44.1	43.3	59.2	--	--	--

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

June 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.....	15,299	5,046	10,253	14,182	4,797	9,383
Economic reasons.....	2,830	1,407	1,423	2,571	1,321	1,250
Slack work.....	1,185	852	333	1,064	778	286
Material shortages or repairs to plant and equipment.....	102	102	--	99	99	--
New job started during week.....	339	339	--	330	330	--
Job terminated during week.....	114	114	--	114	114	--
Could find only part-time work.....	1,090	--	1,090	964	--	964
Other reasons.....	12,468	3,638	8,830	11,611	3,478	8,133
Does not want, or unavailable for, full-time work.....	6,496	--	6,496	6,061	--	6,061
Vacation.....	706	706	--	698	698	--
Illness.....	1,438	1,138	300	1,313	1,110	203
Bad weather.....	277	277	--	177	177	--
Industrial dispute.....	67	67	--	67	67	--
Legal or religious holiday.....	139	139	--	139	139	--
Full time for this job.....	1,532	--	1,532	1,467	--	1,467
All other reasons.....	1,816	1,314	502	1,688	1,287	401
Average hours:						
Economic reasons.....	20.1	23.6	18.4	21.3	23.9	18.6
Other reasons.....	20.7	26.0	18.5	20.8	26.1	18.6
Worked 30 to 34 hours:						
Economic reasons.....	787	545	242	750	529	221
Other reasons.....	3,445	1,891	1,554	3,265	1,824	1,441

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

June 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	3.7	11.7	84.6	57.1	11.9	15.6	39.6	43.3
Wage and salary workers.....	100.0	3.6	11.3	85.0	59.4	12.0	13.6	39.1	42.6
Construction.....	100.0	6.5	3.6	89.8	63.6	12.3	13.9	39.7	41.8
Manufacturing.....	100.0	3.1	2.5	94.5	67.8	14.5	12.2	41.0	42.1
Durable goods.....	100.0	2.1	1.5	96.4	69.7	14.8	11.9	41.5	42.1
Nondurable goods.....	100.0	4.6	4.0	91.4	64.9	14.0	12.5	40.4	42.1
Transportation and public utilities.....	100.0	2.2	4.9	92.8	61.8	13.7	17.3	41.8	43.6
Wholesale and retail trade.....	100.0	4.5	21.4	74.1	43.4	14.2	16.5	37.8	44.1
Finance, insurance, and real estate.....	100.0	.9	9.7	89.3	67.6	8.6	13.1	39.5	41.7
Service industries.....	100.0	4.6	20.6	74.9	54.4	8.3	12.2	36.3	42.7
Private households.....	100.0	15.9	47.2	36.8	23.8	5.3	7.7	25.7	44.8
All other service.....	100.0	3.2	17.4	79.3	58.0	8.6	12.7	37.6	42.4
Public administration.....	100.0	1.4	5.3	93.3	73.6	8.3	11.4	40.4	42.0
Self-employed workers.....	100.0	4.3	13.2	82.5	28.3	11.6	42.6	46.1	52.2
Unpaid family workers.....	100.0	3.6	36.5	59.9	26.0	7.9	26.0	39.6	51.4

^{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
June 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.....	69,796	2,571	8,133	59,092	39,829	19,263	39.6	43.3
16 to 21 years	9,369	981	2,462	5,926	4,587	1,339	32.5	41.1
16 to 19 years	5,942	768	2,077	3,097	2,361	736	29.7	41.0
16 and 17 years	2,504	426	1,286	792	584	208	24.0	40.9
18 and 19 years	3,438	341	792	2,305	1,777	528	33.8	41.1
20 years and over	63,854	1,804	6,055	55,995	37,469	18,526	40.5	43.4
20 to 24 years	8,973	405	816	7,752	5,845	1,907	38.7	41.6
25 years and over	54,881	1,399	5,240	48,242	31,623	16,619	40.8	43.7
25 to 44 years	28,709	660	2,307	25,742	16,493	9,249	41.4	43.9
45 to 64 years	23,776	646	2,023	21,107	14,225	6,882	40.9	43.5
65 years and over	2,396	95	910	1,391	904	487	32.6	44.0
Males, 16 years and over	43,740	1,327	2,491	39,922	23,907	16,015	42.5	44.7
16 to 21 years	4,983	537	1,261	3,185	2,213	972	33.5	42.2
16 to 19 years	3,286	424	1,100	1,762	1,231	531	30.7	41.9
16 and 17 years	1,451	240	712	499	360	139	25.2	41.4
18 and 19 years	1,835	184	387	1,264	872	392	35.1	42.1
20 years and over	40,454	903	1,391	38,160	22,676	15,484	43.5	44.8
20 to 24 years	4,955	228	317	4,410	2,914	1,496	40.6	43.1
25 years and over	35,499	674	1,074	33,751	19,765	13,986	43.9	45.0
25 to 44 years	19,162	336	244	18,582	10,499	8,083	44.7	45.4
45 to 64 years	14,816	280	310	14,226	8,670	5,556	43.8	44.6
65 years and over	1,521	58	520	943	596	347	33.7	44.0
Females, 16 years and over	26,056	1,245	5,642	19,169	15,923	3,246	34.7	40.4
16 to 21 years	4,385	444	1,201	2,740	2,373	367	31.4	39.8
16 to 19 years	2,656	343	978	1,335	1,131	204	28.3	39.9
16 and 17 years	1,053	186	573	294	226	68	22.3	40.0
18 and 19 years	1,603	157	404	1,042	906	136	32.3	39.8
20 years and over	23,400	902	4,664	17,834	14,791	3,043	35.5	40.4
20 to 24 years	4,018	177	499	3,342	2,932	410	36.4	39.7
25 years and over	19,382	725	4,166	14,491	11,859	2,632	35.3	40.6
25 to 44 years	9,547	324	2,063	7,160	5,995	1,165	34.8	40.0
45 to 64 years	8,960	365	1,712	6,883	5,555	1,328	36.2	40.9
65 years and over	875	36	390	449	309	140	30.6	44.1
COLOR								
White	62,307	2,083	7,287	52,937	35,004	17,933	39.8	43.5
Male	39,531	1,090	2,265	36,176	21,167	15,009	42.8	44.9
Female	22,776	993	5,022	16,759	13,834	2,925	34.8	40.4
Negro and other races	7,489	488	846	6,155	4,826	1,329	37.7	41.5
Male	4,210	237	226	3,747	2,740	1,007	40.1	42.6
Female	3,280	250	620	2,410	2,088	322	34.5	39.8
MARITAL STATUS								
Male:								
Married, wife present	33,607	587	917	32,103	18,525	13,578	44.0	45.1
Widowed, divorced, or separated	2,290	97	117	2,076	1,321	755	41.7	43.9
Single (never married)	7,843	644	1,457	5,742	4,060	1,682	36.2	42.7
Female:								
Married, husband present	14,907	508	3,530	10,869	9,083	1,786	34.6	40.2
Widowed, divorced, or separated	4,974	263	797	3,914	3,071	843	36.6	41.2
Single (never married)	6,175	472	1,315	4,388	3,771	617	33.4	39.9

A-25: Persons at work in nonagricultural industries by full- or part-time status,
sex, age, color, and marital status--Continued
June 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	3.7	11.7	84.7	57.1	27.6
16 to 21 years.....	100.0	10.5	26.3	63.3	49.0	14.3
16 to 19 years.....	100.0	12.9	35.0	52.1	39.7	12.4
16 and 17 years.....	100.0	17.0	51.4	31.6	23.3	8.3
18 and 19 years.....	100.0	9.9	23.0	67.0	51.7	15.4
20 years and over.....	100.0	2.8	9.5	87.7	58.7	29.0
20 to 24 years.....	100.0	4.5	9.1	86.4	65.1	21.3
25 years and over.....	100.0	2.5	9.5	87.9	57.6	30.3
25 to 44 years.....	100.0	2.3	8.0	89.6	57.4	32.2
45 to 64 years.....	100.0	2.7	8.5	88.8	59.8	28.9
65 years and over.....	100.0	4.0	38.0	58.1	37.7	20.3
Males, 16 years and over.....	100.0	3.0	5.7	91.3	54.7	36.6
16 to 21 years.....	100.0	10.8	25.3	63.9	44.4	19.5
16 to 19 years.....	100.0	12.9	33.5	53.6	37.5	16.2
16 and 17 years.....	100.0	16.5	49.1	34.4	24.8	9.6
18 and 19 years.....	100.0	10.0	21.1	68.9	47.5	21.4
20 years and over.....	100.0	2.2	3.4	94.3	56.1	38.3
20 to 24 years.....	100.0	4.6	6.4	89.0	58.8	30.2
25 years and over.....	100.0	1.9	3.0	95.1	55.7	39.4
25 to 44 years.....	100.0	1.8	1.3	97.0	54.8	42.2
45 to 64 years.....	100.0	1.9	2.1	96.0	58.5	37.5
65 years and over.....	100.0	3.8	34.2	62.0	39.2	22.8
Females, 16 years and over.....	100.0	4.8	21.7	73.6	61.1	12.5
16 to 21 years.....	100.0	10.1	27.4	62.5	54.1	8.4
16 to 19 years.....	100.0	12.9	36.8	50.3	42.6	7.7
16 and 17 years.....	100.0	17.7	54.4	27.9	21.5	6.5
18 and 19 years.....	100.0	9.8	25.2	65.0	56.5	8.5
20 years and over.....	100.0	3.9	19.9	76.2	63.2	13.0
20 to 24 years.....	100.0	4.4	12.4	83.2	73.0	10.2
25 years and over.....	100.0	3.7	21.5	74.8	61.2	13.6
25 to 44 years.....	100.0	3.4	21.6	75.0	62.8	12.2
45 to 64 years.....	100.0	4.1	19.1	76.8	62.0	14.8
65 years and over.....	100.0	4.1	44.6	51.3	35.3	16.0
COLOR						
White.....	100.0	3.3	11.7	85.0	56.2	28.8
Male.....	100.0	2.8	5.7	91.5	53.5	38.0
Female.....	100.0	4.4	22.0	73.6	60.7	12.8
Negro and other races.....	100.0	6.5	11.3	82.2	64.4	17.7
Male.....	100.0	5.6	5.4	89.0	65.1	23.9
Female.....	100.0	7.6	18.9	73.5	63.7	9.8
MARITAL STATUS						
Male:						
Married, wife present.....	100.0	1.7	2.7	95.5	55.1	40.4
Widowed, divorced, or separated.....	100.0	4.2	5.1	90.7	57.7	33.0
Single (never married).....	100.0	8.2	18.6	73.2	51.8	21.4
Female:						
Married, husband present.....	100.0	3.4	23.7	72.9	60.9	12.0
Widowed, divorced, or separated.....	100.0	5.3	16.0	78.7	61.7	16.9
Single (never married).....	100.0	7.6	21.3	71.1	61.1	10.0

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

June 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	34,911	657	4,274	29,980	19,848	3,688	6,444	40.4	43.8
Professional and technical	9,371	144	904	8,323	5,647	1,009	1,667	40.4	43.3
Managers, officials, and proprietors	7,918	82	303	7,533	3,087	1,228	3,218	48.1	49.6
Clerical workers	13,015	270	1,958	10,787	9,206	929	652	36.7	40.1
Sales workers	4,606	160	1,110	3,336	1,907	522	907	37.3	44.4
Blue-collar workers	26,362	1,297	1,451	23,614	16,079	3,894	3,641	40.4	42.7
Craftsmen and foremen	9,575	268	287	9,020	5,850	1,591	1,579	41.8	43.1
Operatives	13,028	666	659	11,703	8,171	1,818	1,714	40.5	42.6
Nonfarm laborers	3,759	363	504	2,892	2,059	485	348	36.3	41.7
Service workers	8,883	645	2,470	5,768	4,034	799	935	34.3	43.1
Private household	1,431	212	674	545	359	82	104	26.0	43.9
Other service workers	7,452	434	1,796	5,222	3,674	717	831	35.9	43.0
MALE									
White-collar workers	18,968	255	964	17,749	9,542	2,670	5,537	44.6	46.3
Professional and technical	6,267	72	286	5,909	3,714	770	1,425	43.1	44.6
Managers, officials, and proprietors	6,692	65	134	6,493	2,485	1,087	2,921	49.1	50.0
Clerical workers	3,347	50	261	3,036	2,225	407	404	40.0	42.1
Sales workers	2,662	68	283	2,311	1,118	405	788	42.4	46.0
Blue-collar workers	22,015	953	1,092	19,970	12,951	3,517	3,502	41.1	43.3
Craftsmen and foremen	9,295	253	252	8,790	5,647	1,582	1,561	42.0	43.2
Operatives	9,090	350	351	8,389	5,321	1,465	1,603	42.2	43.9
Nonfarm laborers	3,629	349	489	2,791	1,982	471	338	36.3	41.7
Service workers	3,043	141	476	2,426	1,517	387	522	39.5	44.8
Private household	35	1	16	18	13	1	4	27.1	42.4
Other service workers	3,008	140	461	2,407	1,503	386	518	39.6	44.8
FEMALE									
White-collar workers	15,943	403	3,310	12,230	10,305	1,018	907	35.3	40.2
Professional and technical	3,105	72	617	2,416	1,935	239	242	34.9	40.0
Managers, officials, and proprietors	1,227	17	169	1,041	603	141	297	42.7	46.9
Clerical workers	9,668	220	1,696	7,752	6,982	521	249	35.5	39.3
Sales workers	1,944	92	827	1,025	789	117	119	30.4	40.7
Blue-collar workers	4,347	343	358	3,646	3,129	377	140	36.7	39.5
Craftsmen and foremen	280	14	35	231	205	9	17	36.1	39.6
Operatives	3,937	315	308	3,314	2,850	353	111	36.7	39.4
Nonfarm laborers	130	14	15	101	76	14	11	36.2	41.2
Service workers	5,840	504	1,994	3,342	2,517	412	413	31.6	41.9
Private household	1,396	211	658	527	345	81	101	26.0	44.0
Other service workers	4,444	294	1,336	2,814	2,172	331	311	33.4	41.5

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

June 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	1.9	12.2	86.0	56.9	10.6	18.5
Professional and technical	100.0	1.5	9.6	88.9	60.3	10.8	17.8
Managers, officials, and proprietors	100.0	1.0	3.8	95.1	39.0	15.5	40.6
Clerical workers	100.0	2.1	15.0	82.8	70.7	7.1	5.0
Sales workers	100.0	3.5	24.1	72.4	41.4	11.3	19.7
Blue-collar workers	100.0	4.9	5.5	89.6	61.0	14.8	13.8
Craftsmen and foremen	100.0	2.8	3.0	94.2	61.1	16.6	16.5
Operatives	100.0	5.1	5.1	89.9	62.7	14.0	13.2
Nonfarm laborers	100.0	9.7	13.4	77.0	54.8	12.9	9.3
Service workers	100.0	7.3	27.8	64.9	45.4	9.0	10.5
Private household	100.0	14.8	47.1	38.1	25.1	5.7	7.3
Other service workers	100.0	5.8	24.1	70.1	49.3	9.6	11.2
MALE							
White-collar workers	100.0	1.3	5.1	93.6	50.3	14.1	29.2
Professional and technical	100.0	1.1	4.6	94.3	59.3	12.3	22.7
Managers, officials, and proprietors	100.0	1.0	2.0	96.9	37.1	16.2	43.6
Clerical workers	100.0	1.5	7.8	90.8	66.5	12.2	12.1
Sales workers	100.0	2.6	10.6	86.8	42.0	15.2	29.6
Blue-collar workers	100.0	4.3	5.0	90.7	58.8	16.0	15.9
Craftsmen and foremen	100.0	2.7	2.7	94.6	60.8	17.0	16.8
Operatives	100.0	3.9	3.9	92.2	58.5	16.1	17.6
Nonfarm laborers	100.0	9.6	13.5	76.9	54.6	13.0	9.3
Service workers	100.0	4.6	15.6	79.8	49.9	12.7	17.2
Private household	100.0	2.9	45.7	51.4	37.1	2.9	11.4
Other service workers	100.0	4.7	15.3	80.0	50.0	12.8	17.2
FEMALE							
White-collar workers	100.0	2.5	20.8	76.7	64.6	6.4	5.7
Professional and technical	100.0	2.3	19.9	77.8	62.3	7.7	7.8
Managers, officials, and proprietors	100.0	1.4	13.8	84.8	49.1	11.5	24.2
Clerical workers	100.0	2.3	17.5	80.2	72.2	5.4	2.6
Sales workers	100.0	4.7	42.5	52.7	40.6	6.0	6.1
Blue-collar workers	100.0	7.9	8.2	83.9	72.0	8.7	3.2
Craftsmen and foremen	100.0	5.0	12.5	82.5	73.2	3.2	6.1
Operatives	100.0	8.0	7.8	84.2	72.4	9.0	2.8
Nonfarm laborers	100.0	10.8	11.5	77.8	58.5	10.8	8.5
Service workers	100.0	8.6	34.1	57.3	43.1	7.1	7.1
Private household	100.0	15.1	47.1	37.7	24.7	5.8	7.2
Other service workers	100.0	6.6	30.1	63.3	48.9	7.4	7.0

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

June 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.....	7,975	4,043	3,932	6,847	3,483	3,365	1,128	560	567
Civilian labor force.....	2,260	1,418	842	1,982	1,245	736	278	173	106
Employed.....	1,865	1,177	687	1,705	1,077	628	159	100	59
Agriculture.....	426	336	90	375	306	69	51	30	21
Nonagricultural industries.....	1,438	841	597	1,330	771	559	108	70	38
Unemployed.....	395	241	155	277	168	109	119	72	46
Not in labor force.....	5,715	2,625	3,090	4,866	2,237	2,628	850	388	462
Keeping house.....	317	22	295	285	22	262	33	--	33
Going to school.....	2,815	1,416	1,399	2,330	1,195	1,135	485	220	264
Unable to work.....	9	4	6	5	3	2	4	1	4
All other reasons.....	2,574	1,184	1,390	2,246	1,017	1,229	328	167	161

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

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,865	1,177	687	100.0	100.0	100.0
Nonagricultural industries.....	1,438	841	597	77.1	71.5	86.9
Wage and salary workers.....	1,303	724	579	69.9	61.5	84.3
Private household workers.....	595	195	400	31.9	16.6	58.2
Government workers.....	52	31	21	2.8	2.6	3.1
Other wage and salary workers.....	656	498	158	35.2	42.3	23.0
Self-employed workers.....	91	85	6	4.9	7.2	.9
Unpaid family workers.....	44	32	12	2.4	2.7	1.7
Agriculture.....	426	336	90	22.9	28.5	13.1
Wage and salary workers.....	211	162	49	11.3	13.8	7.1
Self-employed workers.....	38	38	--	2.0	3.2	--
Unpaid family workers.....	177	136	41	9.5	11.6	6.0
OCCUPATION						
Total.....	1,865	1,177	687	100.0	100.0	100.0
White-collar workers.....	320	243	77	17.2	20.6	11.3
Professional and technical.....	15	9	6	.8	.8	.9
Managers, officials, and proprietors.....	6	2	4	.3	.2	.6
Clerical workers.....	70	36	34	3.8	3.1	4.9
Sales workers.....	230	196	34	12.3	16.7	4.9
Blue-collar workers.....	509	472	37	27.3	40.0	5.4
Craftsmen and foremen.....	24	23	--	1.3	2.0	--
Operatives.....	93	77	15	5.0	6.5	2.2
Nonfarm laborers.....	393	371	22	21.1	31.5	3.2
Service workers.....	660	175	485	35.4	14.9	70.5
Private household workers.....	400	11	389	21.4	.9	56.5
Other service workers.....	260	164	96	13.9	13.9	14.0
Farm workers.....	375	288	88	20.1	24.5	12.8
Farmers and farm managers.....	5	5	--	.3	.4	--
Farm laborers and foremen.....	370	283	88	19.8	24.0	12.8

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

(In thousands)

Employment status, sex, and age	1970						1969						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
Total													
Total labor force	85,304	85,783	86,143	86,087	85,590	85,599	85,023	84,872	85,051	84,868	84,517	84,310	84,028
Civilian labor force	82,125	82,555	82,872	82,769	82,249	82,213	81,583	81,379	81,523	81,325	80,987	80,789	80,504
Employed	78,225	78,449	78,924	79,112	78,822	79,041	78,737	78,528	78,445	78,194	78,142	77,931	77,741
Agriculture	3,554	3,613	3,586	3,550	3,499	3,426	3,435	3,434	3,446	3,498	3,614	3,561	3,683
Nonagricultural industries	74,671	74,836	75,338	75,562	75,323	75,615	75,302	75,094	74,999	74,696	74,528	74,370	74,058
On part time for economic reasons	2,105	2,249	2,360	1,936	1,821	1,915	1,858	1,830	1,945	1,933	1,955	1,789	1,818
Usually work full time	1,126	1,253	1,400	1,093	1,044	1,036	1,046	1,005	1,017	1,046	1,040	888	974
Usually work part time	979	996	960	843	777	879	812	825	928	887	915	901	844
Unemployed	3,900	4,106	3,948	3,657	3,427	3,172	2,846	2,851	3,078	3,131	2,845	2,858	2,763
Men, 20 years and over													
Total labor force	49,906	50,020	50,032	49,920	49,707	49,736	49,534	49,544	49,642	49,642	49,488	49,405	49,334
Civilian labor force	47,154	47,226	47,199	47,060	46,836	46,826	46,578	46,531	46,599	46,586	46,443	46,338	46,236
Employed	45,521	45,593	45,667	45,709	45,534	45,674	45,553	45,533	45,511	45,465	45,485	45,335	45,303
Agriculture	2,603	2,625	2,602	2,537	2,479	2,473	2,499	2,482	2,575	2,593	2,670	2,646	2,676
Nonagricultural industries	42,918	42,968	43,065	43,172	43,055	43,201	43,054	43,051	42,936	42,872	42,815	42,689	42,627
Unemployed	1,633	1,633	1,532	1,351	1,302	1,152	1,025	998	1,088	1,121	958	1,003	933
Women, 20 years and over													
Civilian labor force	28,026	27,885	28,274	28,295	28,066	28,073	27,875	27,671	27,767	27,634	27,664	27,524	27,341
Employed	26,772	26,476	27,022	27,016	26,925	27,060	26,897	26,663	26,699	26,543	26,626	26,512	26,322
Agriculture	573	567	571	583	630	586	585	555	554	535	582	547	610
Nonagricultural industries	26,199	25,909	26,451	26,433	26,295	26,474	26,312	26,108	26,145	26,008	26,044	25,965	25,712
Unemployed	1,254	1,409	1,252	1,279	1,141	1,013	978	1,008	1,068	1,091	1,038	1,012	1,019
Both sexes, 16-19 years													
Civilian labor force	6,945	7,444	7,399	7,414	7,347	7,314	7,130	7,177	7,157	7,105	6,880	6,927	6,927
Employed	5,932	6,380	6,235	6,387	6,363	6,307	6,287	6,332	6,235	6,186	6,031	6,084	6,116
Agriculture	378	421	413	430	390	367	351	397	317	370	362	368	397
Nonagricultural industries	5,554	5,959	5,822	5,957	5,973	5,940	5,936	5,935	5,918	5,816	5,669	5,716	5,719
Unemployed	1,013	1,064	1,164	1,027	984	1,007	843	845	922	919	849	843	811

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

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

(Numbers in thousands)

Full- and part-time employment status, sex, and age	1970						1969						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
Full time													
Total, 16 years and over:													
Civilian labor force	70,653	71,116	70,810	70,557	70,407	70,623	70,269	70,184	70,190	70,308	70,052	69,735	69,533
Employed	67,585	67,742	67,720	67,707	67,781	68,235	68,017	68,039	68,010	67,993	67,915	67,572	67,408
Unemployed	3,068	3,374	3,090	2,850	2,626	2,388	2,252	2,145	2,180	2,315	2,137	2,163	2,125
Unemployment rate	4.3	4.7	4.4	4.0	3.7	3.4	3.2	3.1	3.1	3.3	3.1	3.1	3.1
Men, 20 years and over:													
Civilian labor force	44,966	45,061	44,898	44,715	44,536	44,604	44,486	44,420	44,447	44,482	44,303	44,177	44,158
Employed	43,476	43,554	43,487	43,460	43,348	43,561	43,506	43,515	43,539	43,524	43,485	43,279	43,318
Unemployed	1,490	1,507	1,411	1,255	1,188	1,043	980	905	908	958	818	898	840
Unemployment rate	3.3	3.3	3.1	2.8	2.7	2.3	2.2	2.0	2.0	2.2	1.8	2.0	1.9
Women, 20 years and over:													
Civilian labor force	22,050	21,937	22,054	21,982	21,965	22,146	21,813	21,852	21,862	21,878	21,971	21,752	21,636
Employed	21,046	20,736	21,042	20,982	21,087	21,332	21,089	21,096	21,059	21,036	21,116	20,956	20,812
Unemployed	1,004	1,201	1,012	1,000	878	814	724	756	803	842	855	796	824
Unemployment rate	4.6	5.5	4.6	4.5	4.0	3.7	3.3	3.5	3.7	3.8	3.9	3.7	3.8
Part time													
Total, 16 years and over:													
Civilian labor force	11,455	11,425	11,949	11,958	11,634	11,803	11,360	11,261	11,314	11,072	11,032	10,883	10,899
Employed	10,685	10,689	11,064	11,109	10,828	10,946	10,677	10,580	10,539	10,301	10,272	10,212	10,297
Unemployed	770	736	885	849	806	857	683	681	775	771	760	671	602
Unemployment rate	6.7	6.4	7.4	7.1	6.9	7.3	6.0	6.0	6.9	7.0	6.9	6.2	5.5

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						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
White													
Total:													
Civilian labor force	72,770	73,358	73,662	73,621	73,169	73,159	72,589	72,392	72,447	72,261	71,835	71,733	71,513
Employed	69,681	69,998	70,499	70,617	70,406	70,558	70,266	70,093	69,930	69,733	69,548	69,447	69,361
Unemployed	3,089	3,360	3,163	3,004	2,763	2,601	2,323	2,299	2,517	2,528	2,287	2,286	2,152
Unemployment rate	4.2	4.6	4.3	4.1	3.8	3.6	3.2	3.2	3.5	3.5	3.2	3.2	3.0
Males, 20 years and over:													
Civilian labor force	42,411	42,480	42,498	42,407	42,194	42,133	41,953	41,959	41,956	41,965	41,838	41,724	41,645
Employed	41,039	41,123	41,232	41,260	41,115	41,165	41,122	41,130	41,022	41,044	41,052	40,890	40,875
Unemployed	1,372	1,357	1,266	1,147	1,079	968	831	829	934	921	786	834	770
Unemployment rate	3.2	3.2	3.0	2.7	2.6	2.3	2.0	2.0	2.2	2.2	1.9	2.0	1.8
Females, 20 years and over:													
Civilian labor force	24,275	24,259	24,601	24,599	24,437	24,504	24,243	24,053	24,174	23,979	23,973	23,894	23,760
Employed	23,278	23,139	23,623	23,576	23,520	23,665	23,429	23,245	23,308	23,116	23,136	23,108	22,955
Unemployed	997	1,120	978	1,023	917	839	814	808	866	863	837	786	805
Unemployment rate	4.1	4.6	4.0	4.2	3.8	3.4	3.4	3.4	3.6	3.6	3.5	3.3	3.4
Both sexes, 16 to 19 years:													
Civilian labor force	6,084	6,619	6,563	6,615	6,538	6,522	6,393	6,380	6,317	6,317	6,024	6,115	6,108
Employed	5,364	5,736	5,644	5,781	5,771	5,728	5,715	5,718	5,600	5,573	5,360	5,449	5,531
Unemployed	720	883	919	834	767	794	678	662	717	744	664	666	577
Unemployment rate	11.8	13.3	14.0	12.6	11.7	12.2	10.6	10.4	11.4	11.8	11.0	10.9	9.4
Negro and other races													
Total:													
Civilian labor force	9,231	9,235	9,213	9,253	9,160	9,259	9,115	9,042	9,011	8,962	9,061	8,920	8,888
Employed	8,427	8,500	8,414	8,598	8,520	8,675	8,598	8,484	8,419	8,366	8,479	8,339	8,287
Unemployed	804	735	799	655	640	584	517	558	592	596	582	581	601
Unemployment rate	8.7	8.0	8.7	7.1	7.0	6.3	5.7	6.2	6.6	6.7	6.4	6.5	6.8
Males, 20 years and over:													
Civilian labor force	4,734	4,729	4,656	4,693	4,675	4,731	4,657	4,602	4,607	4,599	4,611	4,571	4,573
Employed	4,448	4,455	4,399	4,484	4,461	4,550	4,480	4,430	4,424	4,409	4,442	4,398	4,397
Unemployed	286	274	257	209	214	181	177	172	183	190	169	173	176
Unemployment rate	6.0	5.8	5.5	4.5	4.6	3.8	3.8	3.7	4.0	4.1	3.7	3.8	3.8
Females, 20 years and over:													
Civilian labor force	3,682	3,669	3,713	3,715	3,656	3,676	3,664	3,608	3,576	3,595	3,638	3,554	3,529
Employed	3,425	3,403	3,421	3,466	3,440	3,497	3,502	3,412	3,373	3,372	3,412	3,333	3,316
Unemployed	257	266	292	249	216	179	162	196	203	223	226	221	213
Unemployment rate	7.0	7.2	7.9	6.7	5.9	4.9	4.4	5.4	5.7	6.2	6.2	6.2	6.0
Both sexes, 16 to 19 years:													
Civilian labor force	815	837	844	845	829	852	794	832	828	768	812	795	786
Employed	554	642	594	648	619	628	616	642	622	585	625	608	574
Unemployed	261	195	250	197	210	224	178	190	206	183	187	187	212
Unemployment rate	32.0	23.3	29.6	23.3	25.3	26.3	22.4	22.8	24.9	23.8	23.0	23.5	27.0

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

(In thousands)

Duration of unemployment	1970						1969						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
Less than 5 weeks	1,961	2,219	2,295	1,995	1,973	1,756	1,515	1,558	1,882	1,756	1,646	1,656	1,578
5 to 14 weeks	1,303	1,214	1,075	1,154	1,016	914	893	912	882	995	854	824	812
15 weeks and over	685	612	569	545	465	409	392	389	363	392	385	400	385
15 to 26 weeks	450	352	372	363	306	376	272	249	233	240	250	233	255
27 weeks and over	235	260	197	182	159	133	120	140	130	152	135	167	130
Average (mean) duration	9.5	9.0	8.2	8.4	8.1	7.8	8.1	8.0	7.3	7.9	7.8	8.2	8.4

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-33: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1970						1969						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
Total (all civilian workers)	4.7	5.0	4.8	4.4	4.2	3.9	3.5	3.5	3.8	3.8	3.5	3.5	3.4
Men, 20 years and over	3.5	3.5	3.2	2.9	2.8	2.5	2.2	2.1	2.3	2.4	2.1	2.2	2.0
Women, 20 years and over	4.5	5.1	4.4	4.5	4.1	3.6	3.5	3.6	3.8	3.9	3.8	3.7	3.7
Both sexes, 16-19 years	14.6	14.3	15.7	13.9	13.4	13.8	11.8	11.8	12.9	12.9	12.3	12.2	11.7
White	4.2	4.6	4.3	4.1	3.8	3.6	3.2	3.2	3.5	3.5	3.2	3.2	3.0
Negro and other races	8.7	8.0	8.7	7.1	7.0	6.3	5.7	6.2	6.6	6.7	6.4	6.5	6.8
Married men	2.5	2.6	2.4	2.2	2.0	1.8	1.7	1.5	1.6	1.7	1.5	1.6	1.5
Full-time workers	4.3	4.7	4.4	4.0	3.7	3.4	3.2	3.1	3.1	3.3	3.1	3.1	3.1
Part-time workers	6.7	6.4	7.4	7.1	6.9	7.3	6.0	6.0	6.9	7.0	6.9	6.2	5.5
Unemployed 15 weeks and over ¹ . . . . .	.8	.7	.7	.7	.6	.5	.5	.5	.4	.5	.5	.5	.5
State insured ²	3.7	3.6	3.1	2.7	2.7	2.5	2.4	2.4	2.2	2.2	2.1	2.2	2.1
Labor force time lost ³	4.9	5.4	5.1	4.8	4.5	4.2	3.9	4.0	4.3	4.3	4.0	4.0	3.8
Occupation													
White-collar workers	2.6	2.8	2.9	2.7	2.3	2.1	2.1	2.1	2.4	2.2	2.2	2.2	2.1
Professional and technical	1.5	2.1	2.1	2.3	1.7	1.5	1.8	1.2	1.6	1.4	1.3	1.4	1.3
Managers, officials, and proprietors	1.5	1.1	1.2	1.2	1.0	.9	1.0	.9	.9	1.0	1.0	.9	1.0
Clerical workers	4.0	3.9	4.0	3.6	3.2	3.1	2.8	3.5	3.4	3.2	3.2	3.2	3.0
Sales workers	3.4	4.4	4.1	3.5	3.4	2.8	2.6	2.2	3.5	2.8	2.9	3.2	2.8
Blue-collar workers	6.3	6.2	5.7	5.2	5.0	4.6	4.3	4.2	4.2	4.4	3.8	3.8	3.7
Craftsmen and foremen	4.0	4.2	3.5	3.1	2.5	2.3	2.3	2.1	2.4	2.6	2.1	1.9	1.9
Operatives	6.8	6.7	6.3	6.2	6.0	5.1	5.0	4.9	4.9	4.7	4.2	4.2	4.2
Nonfarm laborers	10.4	9.1	8.8	7.4	7.7	8.5	7.4	6.9	6.5	7.6	6.8	7.1	6.1
Service workers	5.0	4.9	5.0	4.9	4.8	4.5	3.6	4.0	4.2	4.8	4.5	4.3	4.4
Farm workers	2.0	3.5	2.1	2.3	1.9	2.1	2.1	1.4	1.8	1.9	1.9	2.9	1.9
Industry													
Private wage and salary workers ⁴	5.2	5.2	4.8	4.6	4.3	3.9	3.6	3.6	3.8	3.9	3.5	3.5	3.5
Construction	10.9	11.9	8.1	8.1	7.9	7.1	6.0	5.4	7.3	7.4	7.0	5.9	5.1
Manufacturing	5.3	5.2	4.7	4.7	4.6	3.8	3.8	3.7	3.6	3.7	2.9	3.2	3.3
Durable goods	5.1	4.9	4.9	4.8	4.7	3.8	3.7	3.6	3.2	3.2	2.3	3.1	3.2
Nondurable goods	5.6	5.7	4.5	4.6	4.4	3.8	3.9	3.9	4.2	4.3	3.7	3.3	3.4
Transportation and public utilities	3.3	3.3	3.9	3.1	2.4	2.9	2.4	2.4	2.9	2.0	2.0	2.0	1.9
Wholesale and retail trade	5.4	5.1	5.5	4.7	4.7	4.3	3.9	3.9	4.2	4.5	4.3	4.1	4.2
Finance and service industries	4.1	4.2	3.9	4.0	3.2	3.1	2.7	3.2	3.1	3.4	3.4	3.6	3.2
Government wage and salary workers	1.9	2.2	2.2	2.1	2.0	2.2	2.0	2.1	2.4	1.9	1.9	1.8	1.7
Agricultural wage and salary workers	5.5	9.3	5.9	6.4	5.8	6.2	6.5	5.2	6.3	6.5	6.5	8.9	5.6

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						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
Total, 16 years and over	4.7	5.0	4.8	4.4	4.2	3.9	3.5	3.5	3.8	3.8	3.5	3.5	3.4
16 to 19 years	14.6	14.3	15.7	13.9	13.4	13.8	11.8	11.8	12.9	12.9	12.3	12.2	11.7
16 and 17 years	16.0	15.6	18.7	15.7	16.3	17.2	13.7	14.3	16.5	16.1	15.8	14.6	13.5
18 and 19 years	13.3	13.8	13.8	12.4	11.7	11.6	10.2	9.2	10.4	10.6	9.8	10.3	10.1
20 to 24 years	7.4	8.1	7.7	6.8	7.3	6.1	5.8	5.8	6.4	6.5	5.4	5.8	5.4
25 years and over	3.2	3.3	3.1	3.0	2.6	2.4	2.2	2.2	2.4	2.4	2.3	2.3	2.2
25 to 54 years	3.3	3.4	3.2	3.1	2.7	2.5	2.3	2.1	2.4	2.5	2.3	2.3	2.3
55 years and over	3.0	3.3	2.8	2.7	2.4	2.0	2.1	1.9	2.3	2.2	2.0	2.0	2.0
Males, 16 years and over	4.3	4.4	4.2	3.6	3.6	3.3	2.9	2.9	3.1	3.2	2.8	2.9	2.7
16 to 19 years	14.8	15.0	15.2	12.5	13.0	12.6	11.0	11.7	11.8	12.0	11.3	11.8	10.7
16 and 17 years	16.6	16.4	17.2	14.6	15.4	14.9	13.1	13.7	14.4	15.0	15.5	14.4	13.0
18 and 19 years	13.2	14.6	13.9	10.8	11.0	10.8	9.3	8.9	9.6	9.4	7.8	9.7	8.5
20 to 24 years	7.2	7.7	7.9	6.4	6.9	6.1	5.5	5.3	6.3	6.4	4.5	5.3	4.8
25 years and over	2.9	2.9	2.6	2.4	2.2	2.0	1.8	1.7	1.9	1.8	1.7	1.7	1.6
25 to 54 years	2.9	2.8	2.6	2.3	2.1	2.0	1.7	1.4	1.8	1.8	1.6	1.7	1.5
55 years and over	2.8	3.1	2.8	2.8	2.4	2.1	2.2	1.9	2.2	2.0	2.0	1.9	1.8
Females, 16 years and over	5.5	5.9	5.7	5.7	5.1	4.8	4.5	4.5	4.9	5.0	4.8	4.6	4.7
16 to 19 years	14.3	13.4	16.4	15.6	13.9	15.2	12.8	11.9	14.2	14.2	13.6	12.7	13.0
16 and 17 years	15.3	14.6	20.6	17.0	17.3	20.3	14.7	15.0	19.2	17.7	16.2	14.8	14.3
18 and 19 years	13.4	12.9	13.7	14.3	12.7	12.4	11.2	9.6	11.3	12.0	12.0	11.0	11.9
20 to 24 years	7.7	8.7	7.5	7.2	7.6	6.2	6.1	6.5	6.5	6.6	6.3	6.3	6.0
25 years and over	3.8	4.2	3.8	4.0	3.3	3.0	3.0	3.1	3.4	3.4	3.3	3.2	3.3
25 to 54 years	4.1	4.3	4.2	4.4	3.6	3.3	3.3	3.4	3.6	3.7	3.6	3.5	3.6
55 years and over	3.2	3.6	2.7	2.5	2.3	1.7	1.9	2.0	2.5	2.5	2.1	2.3	2.3

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

(Numbers in thousands)

Reason for unemployment	1970						1969						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
Number of unemployed													
Lost last job	1,928	1,912	1,613	1,503	1,390	1,202	1,170	1,033	1,010	993	981	1,009	1,055
Left last job	569	550	573	466	473	460	455	426	411	483	452	434	451
Reentered labor force	1,036	1,168	1,207	1,225	1,089	1,106	916	999	1,079	1,079	1,041	967	843
Never worked before	468	464	550	479	477	509	358	358	462	495	411	426	400
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	48.2	46.7	40.9	40.9	40.5	36.7	40.4	36.7	34.1	32.6	34.0	35.6	38.4
Left last job	14.2	13.4	14.5	12.7	13.8	14.0	15.7	15.1	13.9	15.8	15.7	15.3	16.4
Reentered labor force	25.9	28.5	30.6	33.4	31.8	33.8	31.6	35.5	36.4	35.4	36.1	34.1	30.7
Never worked before	11.7	11.3	13.9	13.0	13.9	15.5	12.3	12.7	15.6	16.2	14.2	15.0	14.6
Unemployed as a percent of the civilian labor force													
Lost last job	2.3	2.3	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.2	1.2	1.2	1.3
Left last job .....	.7	.7	.7	.6	.6	.6	.6	.5	.5	.6	.6	.5	.6
Reentered labor force	1.3	1.4	1.5	1.5	1.3	1.3	1.1	1.2	1.3	1.3	1.3	1.2	1.0
Never worked before .....	.6	.6	.7	.6	.6	.6	.5	.4	.6	.6	.5	.5	.5

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

(In thousands)

Sex and age	1970						1969						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
Total													
16 years and over	78,225	78,449	78,924	79,112	78,822	79,041	78,737	78,528	78,445	78,194	78,142	77,931	77,741
16 to 19 years	5,932	6,380	6,235	6,387	6,363	6,307	6,287	6,332	6,235	6,186	6,031	6,084	6,116
16 and 17 years	2,484	2,686	2,656	2,774	2,760	2,713	2,667	2,707	2,625	2,614	2,474	2,526	2,541
18 and 19 years	3,440	3,672	3,590	3,654	3,634	3,647	3,660	3,654	3,598	3,565	3,530	3,515	3,569
20 to 24 years	9,588	9,593	9,583	9,593	9,538	9,644	9,441	9,506	9,457	9,428	9,477	9,371	9,356
25 years and over	62,626	62,557	63,078	63,134	62,970	63,132	62,998	62,709	62,770	62,589	62,630	62,433	62,199
25 to 54 years	48,607	48,558	48,909	48,846	48,821	49,043	48,945	48,619	48,600	48,435	48,492	48,304	48,189
55 years and over	13,965	13,980	14,188	14,326	14,203	14,223	14,117	14,075	14,096	14,108	14,121	14,052	13,969
Male													
16 years and over	48,778	49,081	49,099	49,313	49,058	49,204	49,055	49,067	48,949	48,956	48,819	48,702	48,697
16 to 19 years	3,257	3,488	3,432	3,604	3,524	3,530	3,502	3,534	3,438	3,491	3,334	3,367	3,394
16 and 17 years	1,445	1,519	1,529	1,601	1,558	1,580	1,550	1,600	1,536	1,586	1,454	1,496	1,498
18 and 19 years	1,809	1,954	1,896	2,027	1,984	1,974	1,987	1,954	1,905	1,914	1,861	1,838	1,892
20 to 24 years	5,188	5,213	5,154	5,146	5,102	5,117	5,093	5,088	5,068	5,071	5,107	5,029	5,036
25 years and over	40,288	40,395	40,501	40,567	40,468	40,571	40,500	40,418	40,421	40,403	40,407	40,274	40,231
25 to 54 years	31,280	31,328	31,369	31,402	31,352	31,409	31,469	31,353	31,324	31,288	31,336	31,284	31,258
55 years and over	8,972	9,073	9,131	9,181	9,148	9,209	9,067	9,076	9,076	9,098	9,051	8,975	8,941
Female													
16 years and over	29,447	29,368	29,825	29,799	29,764	29,837	29,682	29,461	29,496	29,238	29,323	29,229	29,044
16 to 19 years	2,675	2,892	2,803	2,783	2,839	2,777	2,785	2,798	2,797	2,695	2,697	2,717	2,722
16 and 17 years	1,039	1,167	1,127	1,173	1,202	1,133	1,117	1,107	1,089	1,028	1,020	1,030	1,043
18 and 19 years	1,631	1,718	1,694	1,627	1,650	1,673	1,673	1,700	1,693	1,651	1,669	1,677	1,677
20 to 24 years	4,400	4,380	4,429	4,447	4,436	4,527	4,348	4,418	4,389	4,357	4,370	4,342	4,320
25 years and over	22,338	22,162	22,577	22,576	22,502	22,561	22,498	22,291	22,349	22,186	22,223	22,159	21,968
25 to 54 years	17,327	17,230	17,540	17,444	17,469	17,634	17,476	17,266	17,276	17,147	17,156	17,020	16,931
55 years and over	4,993	4,907	5,057	5,145	5,055	5,014	5,050	4,999	5,020	5,010	5,070	5,077	5,028

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

(In thousands)

Occupation group	1970						1969						
	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
White-collar workers	38,049	37,889	38,006	37,936	37,927	37,950	37,641	37,483	37,406	37,047	36,917	36,807	36,896
Professional and technical	11,198	11,023	11,166	11,016	10,966	11,097	11,007	10,887	10,915	10,763	10,699	10,831	10,788
Managers, officials, and proprietors	8,285	8,378	8,206	8,268	8,186	8,190	8,164	8,222	8,037	8,022	7,958	7,931	7,963
Clerical workers	13,696	13,700	13,848	13,884	13,965	13,869	13,699	13,530	13,737	13,573	13,528	13,334	13,406
Sales workers	4,870	4,788	4,786	4,768	4,810	4,794	4,771	4,844	4,717	4,689	4,732	4,711	4,739
Blue-collar workers	27,441	27,621	27,927	28,192	28,274	28,241	28,323	28,432	28,412	28,520	28,429	28,325	28,061
Craftsmen and foremen	10,079	10,036	10,211	10,375	10,268	10,148	10,323	10,258	10,215	10,162	10,189	10,170	10,105
Operatives	13,790	13,863	14,021	14,018	14,204	14,281	14,268	14,433	14,535	14,676	14,560	14,532	14,288
Nonfarm laborers	3,572	3,722	3,695	3,799	3,802	3,812	3,732	3,741	3,662	3,682	3,680	3,623	3,668
Service workers	9,544	9,589	9,634	9,729	9,562	9,728	9,688	9,558	9,520	9,531	9,467	9,480	9,403
Farmers and farm laborers	3,226	3,266	3,210	3,214	3,160	3,084	3,037	3,087	3,143	3,199	3,258	3,238	3,403

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: June.....	71,116	629	3,628	20,387	4,494	14,713	3,758	10,955	3,584	11,353	12,328	2,832	9,496
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.....	70,805	619	3,352	19,436	4,470	14,886	3,814	11,072	3,672	11,646	12,724	2,765	9,959
June.....	71,445	627	3,505	19,607	4,548	15,035	3,883	11,152	3,692	11,756	12,675	2,750	9,925

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

42

B-2: Employees on nonagricultural payrolls, by industry

		(In thousands)									
SIC CODE	Industry	All employees					Production workers ¹				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
-	TOTAL	71,445	70,805	70,758	71,116	70,064	-	-	-	-	-
-	PRIVATE SECTOR	58,770	58,081	58,001	58,788	57,772	48,586	47,943	47,854	48,652	47,834
-	MINING	627	619	616	629	614	477	471	469	480	467
10	METAL MINING	-	94.0	93.1	90.4	88.1	-	76.0	75.2	73.1	71.2
101	Iron ores	-	26.4	25.6	26.8	25.9	-	21.6	20.9	22.0	21.2
102	Copper ores	-	36.4	36.2	33.8	32.7	-	29.1	29.0	27.0	26.1
11,12	COAL MINING	-	140.7	141.2	133.6	133.4	-	121.7	122.8	115.1	115.1
12	Bituminous coal and lignite mining	-	135.0	135.5	128.0	127.8	-	117.0	117.7	110.1	110.2
13	OIL AND GAS EXTRACTION	-	266.5	265.9	284.3	275.7	-	176.5	175.9	192.0	184.7
131,2	Crude petroleum and natural gas fields	-	140.0	140.4	148.1	144.0	-	72.1	72.4	77.1	74.4
138	Oil and gas field services	-	126.5	125.5	136.2	131.7	-	104.4	103.5	114.9	110.3
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	117.3	115.7	120.5	117.1	-	96.5	94.6	99.3	96.1
142	Crushed and broken stone	-	41.3	40.3	42.0	40.5	-	34.5	33.6	35.7	34.3
144	Sand and gravel	-	37.8	36.9	39.6	38.5	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,505	3,352	3,286	3,628	3,434	2,945	2,799	2,736	2,980	2,897
15	GENERAL BUILDING CONTRACTORS	-	981.9	975.4	1,098.7	1,031.1	-	820.7	813.6	836.5	873.0
16	HEAVY CONSTRUCTION CONTRACTORS	-	764.4	684.9	801.6	736.4	-	652.7	575.3	697.5	634.5
161	Highway and street construction	-	345.7	289.3	390.0	352.9	-	306.8	250.9	350.1	313.9
162	Heavy construction, n e c	-	418.7	395.6	411.6	383.5	-	345.9	324.4	347.4	320.6
17	SPECIAL TRADE CONTRACTORS	-	1,605.5	1,625.7	1,727.4	1,666.3	-	1,325.4	1,347.4	1,445.8	1,389.5
171	Plumbing, heating, air conditioning	-	381.4	392.4	413.9	400.3	-	303.0	314.3	334.4	321.8
172	Painting, paper hanging, decorating	-	129.8	125.0	143.8	132.5	-	113.3	108.9	127.8	117.4
173	Electrical work	-	280.0	280.5	287.0	277.7	-	223.6	223.8	231.7	223.9
174	Masonry, stonework, and plastering	-	210.0	216.6	239.8	231.9	-	188.6	195.4	217.5	208.9
176	Roofing and sheet metal work	-	113.2	114.7	120.3	116.1	-	92.5	94.1	99.2	95.2
-	MANUFACTURING	19,607	19,436	19,627	20,387	20,027	14,220	14,069	14,240	14,958	14,655
19,24,25, 32-39	DURABLE GOODS	11,383	11,352	11,488	12,051	11,857	8,201	8,166	8,282	8,794	8,624
20-23, 26-31	NONDURABLE GOODS	8,224	8,084	8,139	8,336	8,170	6,019	5,903	5,958	6,164	6,031
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	250.8	254.0	260.1	325.2	328.2	137.1	139.3	141.5	187.2	189.0
192	Ammunition, except for small arms	(*)	179.7	184.6	237.5	241.2	(*)	92.5	93.6	130.9	133.3
1925	Complete guided missiles	-	103.8	105.0	128.4	131.6	-	32.8	32.1	42.1	44.1
1929	Ammunition, exc. for small arms, nec	-	75.9	79.6	109.1	109.6	-	59.7	61.5	88.8	89.2
24	LUMBER AND WOOD PRODUCTS	594.3	579.3	574.5	634.7	611.6	513.1	498.7	494.0	553.8	531.8
241	Logging camps & logging contractors	78.4	73.2	71.8	86.7	76.5	-	-	-	-	-
242	Sawmills and planing mills	(*)	217.2	215.3	238.4	233.5	(*)	197.3	195.4	217.5	212.3
2421	Sawmills and planing mills, general	-	183.6	181.3	200.7	196.1	-	167.1	164.8	183.5	178.5
243	Millwork, plywood & related products	168.5	164.8	162.5	180.8	176.1	140.6	136.6	134.5	153.3	149.0
2431	Millwork	-	71.2	70.2	77.2	75.6	-	57.1	56.2	63.3	61.7
2432	Veneer and plywood	-	71.8	71.3	78.9	77.2	-	63.9	63.6	71.6	70.3
244	Wooden containers	35.4	34.4	34.8	37.2	36.3	31.5	30.5	30.9	33.3	32.5
2441,2	Wooden boxes, shooks, and crates	-	27.6	27.5	30.4	29.6	-	24.5	24.4	27.2	26.5
249	Miscellaneous wood products	90.5	89.7	90.1	91.6	89.2	75.4	74.8	75.4	77.4	75.2

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)					Production workers ¹				
		All employees									
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES.....	451.1	451.9	462.9	487.1	480.6	370.5	370.7	381.4	403.9	398.9
251	Household furniture.....	313.8	314.3	323.1	341.3	337.1	264.6	264.8	273.0	291.0	287.7
2511	Wood household furniture.....	—	155.3	160.9	175.1	172.6	—	136.2	141.0	155.2	152.4
2512	Upholstered household furniture.....	—	83.5	86.1	89.5	88.9	—	68.8	71.4	74.5	74.8
2515	Mattresses and bedsprings.....	—	36.9	36.8	39.2	38.4	—	28.2	28.3	30.7	30.1
252	Office furniture.....	—	38.4	39.1	39.7	38.8	—	29.7	30.4	31.5	30.6
254	Partitions and fixtures.....	—	49.6	50.2	51.1	50.3	—	38.3	39.1	38.5	38.4
253,9	Other furniture and fixtures.....	51.1	49.6	50.5	55.0	54.4	39.4	37.9	38.9	42.9	42.2
32	STONE, CLAY, AND GLASS PRODUCTS...	648.7	636.7	639.8	670.8	651.9	515.6	504.3	507.6	540.2	523.2
321	Flat glass.....	—	23.2	23.7	25.4	24.1	—	16.8	17.4	18.9	17.9
322	Glass and glassware, pressed or blown...	133.4	131.5	130.7	131.6	129.2	116.0	114.3	113.9	115.9	113.8
3221	Glass containers.....	—	75.9	74.4	74.0	72.3	—	67.7	66.4	67.2	65.8
3229	Pressed and blown glass, n e c.....	—	55.6	56.3	57.6	56.9	—	46.6	47.5	48.7	48.0
324	Cement, hydraulic.....	35.3	34.4	34.3	36.4	33.5	27.4	26.6	26.5	28.1	25.4
325	Structural clay products.....	59.5	57.5	58.8	66.0	64.2	48.7	46.6	47.8	54.7	53.3
3251	Brick and structural clay tile.....	—	25.4	25.7	29.4	28.3	—	21.9	22.3	25.8	25.0
326	Pottery and related products.....	—	42.6	44.0	45.5	45.0	—	35.4	36.6	38.7	38.4
327	Concrete, gypsum, and plaster products...	187.9	184.9	182.4	195.7	189.0	146.5	143.7	140.7	154.3	148.1
328,9	Other stone and nonmetallic mineral products	(*)	136.0	138.9	141.8	138.6	(*)	100.3	103.7	106.9	103.6
3291	Abrasive products.....	—	27.1	27.2	27.9	26.9	—	18.8	18.9	19.3	18.4
33	PRIMARY METAL INDUSTRIES.....	1,336.4	1,318.1	1,329.5	1,383.4	1,354.1	1,063.6	1,046.0	1,057.8	1,108.9	1,082.0
331	Blast furnace and basic steel products...	(*)	629.8	632.7	660.0	641.2	(*)	501.2	503.9	529.0	512.1
3312	Blast furnaces and steel mills.....	—	551.9	552.3	577.1	558.2	—	441.3	441.9	465.5	448.2
332	Iron and steel foundries.....	(*)	231.8	234.4	237.8	234.2	(*)	193.7	196.3	200.2	197.0
3321	Gray iron foundries.....	—	145.5	146.4	149.6	147.0	—	123.8	124.7	128.3	125.9
3322	Malleable iron foundries.....	—	22.0	22.7	24.0	23.6	—	18.1	18.9	20.0	19.7
3323	Steel foundries.....	—	64.3	65.3	64.2	63.6	—	51.8	52.7	51.9	51.4
333,4	Nonferrous metals.....	87.2	85.6	86.2	87.1	85.5	65.7	66.0	66.5	67.5	66.1
3334	Primary aluminum.....	—	30.8	30.8	30.1	29.6	—	25.1	25.2	24.6	24.3
335	Nonferrous rolling and drawing.....	213.6	214.6	215.5	225.7	223.6	158.0	159.3	161.1	171.0	168.6
3351	Copper rolling and drawing.....	—	44.1	44.4	48.1	47.7	—	32.8	33.0	36.8	36.2
3352	Aluminum rolling and drawing.....	—	69.1	69.0	74.8	74.5	—	50.2	50.9	56.0	55.6
3357	Nonferrous wire drawing and insulating...	—	78.6	79.1	79.2	78.0	—	60.3	60.9	61.5	60.3
336	Nonferrous foundries.....	86.7	85.3	87.5	95.2	93.4	71.3	70.1	71.9	79.3	77.6
3361	Aluminum castings.....	—	44.9	46.3	49.5	47.9	—	37.6	38.9	42.0	40.6
3362,9	Other nonferrous castings.....	—	40.4	41.2	45.7	45.5	—	32.5	33.0	37.3	37.0
339	Miscellaneous primary metal products....	(*)	71.0	73.2	77.6	76.2	(*)	55.7	58.1	61.9	60.6
3391	Iron and steel forgings.....	—	46.6	48.0	51.4	49.8	—	36.9	38.3	41.3	40.0
34	FABRICATED METAL PRODUCTS.....	1,397.1	1,387.5	1,402.5	1,456.9	1,434.1	1,065.3	1,055.8	1,070.1	1,124.0	1,105.1
341	Metal cans.....	72.5	70.4	69.9	72.4	71.3	61.6	59.6	59.1	61.5	60.8
342	Cutlery, hand tools, and hardware.....	154.5	155.1	158.5	166.7	165.4	119.3	119.8	122.6	131.3	130.3
3421,3,5	Cutlery and hand tools, incl. saws.....	—	65.4	67.1	67.1	66.0	—	50.3	51.8	51.9	51.1
3429	Hardware, n e c.....	—	89.7	91.4	99.6	99.4	—	69.5	70.8	79.4	79.2
343	Plumbing and heating, except electric....	80.6	81.1	82.6	87.5	86.6	58.7	59.2	61.0	64.9	64.2
3431,2	Sanitary ware & plumbers' brass goods...	—	36.2	36.7	39.4	39.0	—	28.5	29.1	31.2	30.8
3433	Heating equipment, except electric.....	—	44.9	45.9	48.1	47.6	—	30.7	31.9	33.7	33.4
344	Fabricated structural metal products.....	427.2	420.6	421.4	437.0	426.1	307.2	301.5	302.4	316.9	308.1
3441	Fabricated structural steel.....	—	106.4	107.9	112.3	110.8	—	78.2	79.1	83.1	81.9
3442	Metal doors, sash, and trim.....	—	66.5	64.3	72.3	69.5	—	47.6	45.7	53.1	50.5
3443	Fabricated plate work (boiler shops)....	—	121.8	122.0	118.1	116.4	—	86.2	86.6	82.7	81.7
3444	Sheet metal work.....	—	79.1	80.0	84.6	81.7	—	56.6	57.7	61.9	59.9
3446,9	Architectural and misc. metal work.....	—	46.8	47.2	49.7	47.7	—	32.9	33.3	36.1	34.1
345	Screw machine products, bolts, etc.....	109.7	110.6	113.3	114.9	113.1	85.6	85.5	88.0	90.8	89.1
3451	Screw machine products.....	—	49.1	50.2	51.8	51.3	—	40.8	41.9	43.9	43.3
3452	Bolts, nuts, rivets, and washers.....	—	61.5	63.1	63.1	61.8	—	44.7	46.1	46.9	45.8
346	Metal stampings.....	239.8	238.7	241.0	255.7	252.3	192.7	191.4	193.4	207.2	203.9
347	Metal services, n e c.....	91.0	89.7	90.8	94.4	93.5	74.9	73.7	74.5	78.4	77.7
348	Misc. fabricated wire products.....	64.0	63.9	65.3	69.4	69.6	50.3	50.2	51.7	55.5	55.9
349	Misc. fabricated metal products.....	157.8	157.4	159.7	158.9	156.2	115.0	114.9	117.4	117.5	115.1
3494,8	Valves, pipe, and pipe fittings.....	—	93.5	95.2	94.9	93.6	—	65.5	67.3	67.0	66.1

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				
		June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969	June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	1,998.1	2,004.9	2,040.4	2,048.1	2,022.7	1,333.9	1,341.8	1,375.4	1,397.6	1,378.4
351	Engines and turbines	(*)	106.4	107.9	115.6	114.1	(*)	72.2	73.9	79.8	78.5
3511	Steam engines and turbines	-	39.4	39.1	40.6	40.3	-	24.1	24.0	23.6	23.4
3519	Internal combustion engines, n e c	-	67.0	68.8	75.0	73.8	-	48.1	49.9	56.2	55.1
352	Farm machinery	-	132.0	134.9	136.5	138.8	-	93.8	96.5	96.1	98.5
353	Construction and related machinery	295.4	294.1	299.9	297.7	291.1	195.8	194.7	200.1	200.3	194.5
3531,2	Construction and mining machinery	-	155.5	158.3	156.5	153.6	-	107.1	109.8	109.4	107.2
3533	Oil field machinery	-	46.9	47.4	46.7	45.4	-	32.3	32.8	32.5	31.5
3535,6	Conveyors, hoists, cranes, monorails	-	43.3	43.8	44.6	43.7	-	26.5	27.1	28.0	27.4
3537	Industrial trucks and tractors	-	33.4	34.8	34.3	33.8	-	21.2	22.2	22.1	21.7
354	Metal working machinery	(*)	332.3	341.4	341.7	340.9	(*)	245.7	253.7	254.4	254.2
3541	Machine tools, metal cutting types	-	73.2	76.7	78.4	77.6	-	48.6	51.7	52.9	52.6
3544	Special dies, tools, jigs, & fixtures	-	124.7	126.8	125.2	124.9	-	101.7	103.3	102.6	102.2
3545	Machine tool accessories	-	57.3	58.8	60.2	59.6	-	41.2	42.7	43.9	43.4
3542,8	Misc. metal working machinery	-	77.1	79.1	77.9	78.8	-	54.2	56.0	55.0	56.0
355	Special industry machinery	194.7	194.7	201.3	206.7	203.3	126.7	126.4	132.4	137.9	135.6
3551	Food products machinery	-	42.7	44.3	43.5	42.8	-	26.7	28.4	28.0	27.5
3552	Textile machinery	-	37.3	38.2	42.7	42.3	-	27.7	28.3	32.3	32.0
3555	Printing trades machinery	-	32.3	33.4	33.9	33.0	-	20.2	21.2	22.0	21.5
356	General industrial machinery	(*)	286.5	289.5	291.8	287.3	(*)	190.5	192.8	194.5	190.0
3561	Pumps and compressors	-	76.2	77.1	76.6	75.0	-	45.0	45.7	44.2	42.6
3562	Ball and roller bearings	-	60.9	61.0	63.4	62.4	-	46.9	46.8	49.2	48.2
3564	Blowers and fans	-	32.0	32.1	31.9	31.4	-	20.6	20.6	20.5	19.9
3566	Power transmission equipment	-	53.1	53.6	54.6	53.4	-	37.8	38.4	39.6	38.6
357	Office and computing machines	294.7	293.0	293.6	275.3	272.1	146.4	146.5	148.1	144.2	143.6
3573	Electronic computing equipment	-	196.2	196.1	182.4	179.8	-	76.9	77.4	77.2	77.0
358	Service industry machines	(*)	142.8	145.2	151.4	147.6	(*)	99.8	102.1	108.8	105.6
3585	Refrigeration machinery	-	94.8	96.8	100.1	97.1	-	67.0	69.0	72.8	70.2
359	Misc. machinery, except electrical	222.6	223.1	226.7	231.4	227.5	172.3	172.2	175.8	181.6	177.9
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,926.3	1,931.8	1,959.1	2,033.5	2,011.2	1,268.3	1,273.8	1,295.8	1,358.2	1,344.1
361	Electric test & distributing equipment	(*)	218.6	221.3	212.1	209.2	(*)	149.0	151.6	144.7	143.0
3611	Electric measuring instruments	-	72.3	73.8	70.4	69.2	-	45.4	46.4	44.9	44.3
3612	Transformers	-	60.3	60.2	56.9	56.9	-	43.7	43.9	41.1	41.1
3613	Switchgear and switchboard apparatus	-	86.0	87.3	84.8	83.1	-	59.9	61.3	58.7	57.6
362	Electrical industrial apparatus	218.9	218.1	219.9	229.6	226.7	150.3	150.1	151.4	161.7	159.3
3621	Motors and generators	-	118.4	118.0	124.2	123.4	-	83.8	83.3	89.1	88.5
3622	Industrial controls	-	56.6	58.3	63.3	61.7	-	35.3	36.4	41.9	40.5
363	Household appliances	180.7	182.6	183.2	192.2	190.5	144.4	147.0	147.8	153.2	151.7
3632	Household refrigerators and freezers	-	60.3	59.4	62.8	63.0	-	51.2	50.6	51.9	52.2
3633	Household laundry equipment	-	27.6	27.6	27.7	26.1	-	22.1	22.2	21.5	20.2
3634	Electric housewares and fans	-	43.2	44.3	47.9	47.0	-	34.1	34.9	38.1	37.3
364	Electric lighting and wiring equipment	208.6	207.5	210.9	207.3	206.2	162.5	161.7	164.3	159.9	159.0
3641	Electric lamps	-	47.5	47.6	39.7	39.1	-	42.4	42.6	35.0	34.5
3642	Lighting fixtures	-	63.9	65.4	66.9	67.2	-	48.9	50.2	51.9	52.5
3643,4	Wiring devices	-	96.1	97.9	100.7	99.9	-	70.4	71.5	73.0	72.0
365	Radio and TV receiving equipment	(*)	122.6	129.8	156.3	153.6	(*)	86.1	92.5	116.8	114.4
366	Communication equipment	(*)	500.5	504.9	524.6	520.2	(*)	246.9	247.7	254.9	253.9
3661	Telephone and telegraph apparatus	-	163.2	160.5	144.6	140.6	-	108.8	106.4	95.1	93.4
3662	Radio and TV communication equipment	-	337.3	344.4	380.0	379.6	-	138.1	141.3	159.8	160.5
367	Electronic components and accessories	(*)	363.6	370.1	390.5	384.7	(*)	243.0	249.7	274.5	271.0
3671-3	Electron tubes	-	63.4	65.1	70.7	70.4	-	42.8	43.9	48.7	48.2
3674,9	Other electronic components	-	300.2	305.0	319.8	314.3	-	200.2	205.8	225.8	222.8
369	Misc. electrical equipment & supplies	118.2	118.3	119.0	120.9	120.1	90.8	90.0	90.8	92.5	91.8
3694	Engine electrical equipment	-	60.4	61.3	65.2	64.8	-	46.4	47.0	50.8	50.4
37	TRANSPORTATION EQUIPMENT	1,888.7	1,899.5	1,928.9	2,086.8	2,050.2	1,318.1	1,325.3	1,347.2	1,474.6	1,436.3
371	Motor vehicles and equipment	(*)	874.2	871.5	923.4	874.6	(*)	678.0	672.7	719.0	671.9
3711	Motor vehicles	-	387.8	381.5	400.6	365.2	-	288.4	280.4	296.3	261.8
3712	Passenger car bodies	-	56.6	57.4	59.6	55.8	-	46.7	47.6	49.3	45.7
3713	Truck and bus bodies	-	40.1	40.2	41.6	39.1	-	32.5	32.6	34.2	31.6
3714	Motor vehicle parts and accessories	-	364.2	365.6	389.6	383.3	-	291.7	292.2	314.3	308.5
3715	Truck trailers	-	25.5	26.8	32.0	31.2	-	18.7	19.9	24.9	24.3
372	Aircraft and parts	692.4	696.3	722.7	809.8	826.7	380.1	382.7	404.1	465.1	479.0
3721	Aircraft	-	394.5	405.9	460.4	472.0	-	209.9	219.0	256.3	265.3
3722	Aircraft engines and engine parts	-	176.8	189.4	204.9	209.9	-	92.4	103.0	113.0	117.3
3723,9	Other aircraft parts and equipment	-	125.0	127.4	144.5	144.8	-	80.4	82.1	95.8	96.4
373	Ship and boat building and repairing	167.4	172.3	176.5	192.4	191.1	133.9	138.5	142.3	157.5	155.9
3731	Ship building and repairing	-	134.1	136.8	144.1	142.3	-	108.2	110.7	117.4	115.6

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
	<i>Durable Goods--Continued</i>										
	TRANSPORTATION EQUIPMENT--Continued										
3732	Boat building and repairing.....	-	38.2	39.7	48.3	48.8	-	30.3	31.6	40.1	40.3
374	Railroad equipment.....	-	53.0	53.6	51.6	50.9	-	41.0	41.6	40.3	39.7
375,9	Other transportation equipment.....	-	103.7	104.6	109.6	106.9	-	85.1	86.5	92.7	89.8
38	INSTRUMENTS AND RELATED PRODUCTS.....	464.1	465.4	469.1	480.5	476.6	285.2	284.9	287.3	297.0	295.2
381	Engineering & scientific instruments.....	-	70.0	71.1	78.9	79.1	-	34.1	34.2	38.1	38.3
382	Mechanical measuring & control devices.....	112.0	112.0	112.9	116.2	115.2	70.1	70.0	70.8	73.9	73.5
3821	Mechanical measuring devices.....	-	71.5	71.4	72.3	71.4	-	42.5	42.4	43.1	42.5
3822	Automatic temperature controls.....	-	40.5	41.5	43.9	43.8	-	27.5	28.4	30.8	31.0
383,5	Optical and ophthalmic goods.....	54.1	54.4	55.3	54.6	53.6	37.9	38.1	38.5	38.8	38.3
385	Ophthalmic goods.....	-	35.8	36.0	34.8	34.0	-	27.0	27.2	26.6	26.1
384	Medical instruments and supplies.....	86.2	85.2	85.0	82.3	82.4	58.1	57.2	57.0	56.1	56.2
386	Photographic equipment and supplies.....	110.0	109.9	110.3	111.8	110.0	58.1	57.9	58.6	60.2	59.4
387	Watches, clocks, and watchcases.....	-	33.9	34.5	36.7	36.3	-	27.6	28.2	29.9	29.5
	MISCELLANEOUS MANUFACTURING INDUSTRIES.....	427.3	422.6	421.3	444.0	436.2	329.9	325.5	324.2	348.3	340.3
391	Jewelry, silverware, and plated ware.....	51.4	51.3	52.0	53.9	53.4	39.1	38.6	39.2	41.2	40.6
394	Toys and sporting goods.....	-	115.0	112.8	125.1	120.9	-	92.2	90.2	103.5	99.2
3941-3	Games, toys, dolls, & play vehicles.....	-	64.5	61.2	71.8	67.3	-	51.8	48.6	59.8	55.3
3949	Sporting and athletic goods, n e c.....	-	50.5	51.6	53.3	53.6	-	40.4	41.6	43.7	43.9
395	Pens, pencils, office, and art supplies.....	-	35.6	34.5	35.5	34.8	-	25.7	24.6	25.4	24.7
396	Costume jewelry and notions.....	-	57.5	57.0	61.0	60.3	-	46.9	46.4	50.3	49.2
393,9	Other manufacturing industries.....	164.3	163.2	165.0	168.5	166.8	123.1	122.1	123.8	127.9	126.6
393	Musical instruments and parts.....	-	22.5	22.2	25.2	25.0	-	17.6	17.4	19.9	19.7
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS.....	1,790.0	1,737.5	1,722.2	1,788.1	1,726.5	1,194.7	1,150.1	1,137.8	1,191.1	1,140.5
201	Meat products.....	344.8	335.2	331.2	338.0	327.5	280.2	271.1	267.0	271.9	262.3
2011	Meat packing plants.....	-	183.5	182.6	185.5	183.4	-	144.1	143.1	144.2	142.6
2013	Sausages and other prepared meats.....	-	57.8	57.9	57.6	57.1	-	41.6	41.6	41.3	40.9
2015	Poultry dressing plants.....	-	93.9	90.7	94.9	87.0	-	85.4	82.3	86.4	78.8
202	Dairy products.....	247.6	243.6	240.7	257.0	250.9	119.9	115.6	113.5	123.4	119.0
2024	Ice cream and frozen desserts.....	-	24.9	23.5	28.1	26.5	-	13.0	11.8	15.0	13.8
2026	Fluid milk.....	-	172.4	172.0	180.4	177.5	-	67.0	66.8	70.1	68.5
203	Canned, cured, and frozen foods.....	-	247.6	244.1	271.9	248.3	-	202.8	199.5	225.9	203.4
2031,6	Canned, cured, and frozen sea foods.....	-	40.1	40.4	46.2	42.0	-	35.0	35.1	41.0	36.9
2032,3	Canned food, except sea foods.....	-	111.8	107.9	125.1	114.9	-	86.1	82.5	99.0	89.8
2037	Frozen fruits and vegetables.....	-	66.4	66.0	67.0	61.5	-	59.2	58.6	59.5	53.8
204	Grain mill products.....	138.7	135.9	133.6	135.5	130.6	99.2	96.5	94.8	96.9	92.2
2041	Flour and other grain mill products.....	-	28.0	28.6	28.5	27.8	-	20.5	21.3	21.1	20.2
2042	Prepared feeds for animals and fowls.....	-	66.8	64.0	65.8	63.4	-	44.9	42.6	44.3	42.1
205	Bakery products.....	280.6	280.2	278.2	284.6	279.3	164.2	164.1	162.9	167.0	162.5
2051	Bread, cake, and related products.....	-	234.7	232.4	239.6	235.7	-	127.5	126.0	130.5	127.1
2052	Cookies and crackers.....	-	45.5	45.8	45.0	43.6	-	36.6	36.9	36.5	35.4
206	Sugar.....	-	31.8	31.8	32.2	32.2	-	23.3	23.1	23.9	24.2
207	Confectionery and related products.....	(*)	79.5	81.5	84.4	82.5	(*)	63.8	65.5	68.8	67.1
2071	Confectionery products.....	-	63.2	65.2	67.8	66.5	-	51.7	53.4	56.4	55.3
208	Beverages.....	250.5	240.9	237.6	238.2	231.2	126.9	121.4	119.1	119.0	117.2
2082	Malt liquors.....	-	60.7	59.1	54.7	58.0	-	40.7	39.0	35.1	39.2
2086	Bottled and canned soft drinks.....	-	133.5	131.0	136.8	129.3	-	49.8	48.2	52.5	49.0
209	Misc. foods and kindred products.....	142.7	142.8	142.5	146.3	144.0	91.6	91.5	92.4	94.3	92.6
21	TOBACCO MANUFACTURES.....	70.7	70.6	71.4	72.0	71.1	57.6	57.7	58.2	59.1	58.4
211	Cigarettes.....	-	41.1	41.0	40.9	40.0	-	33.2	33.1	33.1	32.4
212	Cigars.....	-	17.4	17.6	18.6	18.6	-	15.8	15.9	17.1	17.1
22	TEXTILE MILL PRODUCTS.....	974.4	968.2	974.6	1,012.5	995.7	855.4	849.5	856.1	894.1	878.2
221	Weaving mills, cotton.....	222.6	221.3	221.5	226.7	224.6	202.2	200.8	201.3	206.0	204.1
222	Weaving mills, synthetics.....	95.8	96.2	97.2	102.0	99.9	84.2	84.6	85.6	91.5	89.5
223	Weaving and finishing mills, wool.....	40.7	40.9	41.3	43.9	43.4	34.9	35.1	35.5	37.8	37.2
224	Narrow fabric mills.....	30.2	30.4	30.6	32.3	31.8	26.7	26.9	27.1	28.7	28.3
225	Knitting mills.....	241.2	238.2	238.8	255.2	250.6	211.3	208.7	209.0	225.7	221.0
2251	Women's hosiery, except socks.....	-	64.0	65.3	68.5	68.1	-	57.5	58.8	62.2	61.8
2252	Hosiery, n e c.....	-	35.5	35.5	37.3	36.6	-	31.7	31.6	33.7	33.0
2253	Knit outerwear mills.....	-	69.0	67.8	75.4	73.8	-	59.3	57.9	65.0	63.4
2254	Knit underwear mills.....	-	29.6	30.3	33.0	32.5	-	25.9	26.7	29.1	28.7

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				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
	<i>Nondurable Goods--Continued</i>										
	TEXTILE MILL PRODUCTS--Continued										
226	Textile finishing, except wool	84.0	82.8	82.4	82.6	80.9	71.1	70.1	69.9	69.9	68.5
227	Floor covering mills	-	52.8	54.4	56.0	55.4	-	41.5	43.0	45.0	44.5
228	Yarn and thread mills	131.5	130.5	131.2	131.3	128.6	121.3	120.5	121.3	121.4	118.9
229	Miscellaneous textile goods	75.4	75.1	77.2	82.5	80.5	61.8	61.3	63.4	68.1	66.2
23	APPAREL AND OTHER TEXTILE PRODUCTS...	1,397.8	1,376.6	1,382.4	1,434.5	1,414.9	1,225.2	1,206.1	1,210.3	1,260.9	1,242.8
231	Men's and boys' suits and coats	129.4	129.3	130.0	137.1	135.9	112.7	112.7	113.2	120.4	119.0
232	Men's and boys' furnishings	386.3	381.3	377.8	374.0	367.7	342.5	337.9	334.7	332.0	326.7
2321	Men's and boys' shirts and nightwear ...	-	123.5	122.2	117.3	114.4	-	110.7	109.3	105.2	102.4
2327	Men's and boys' separate trousers	-	81.4	81.0	83.0	82.4	-	73.8	73.6	75.7	75.1
2328	Men's and boys' work clothing	-	86.0	85.3	84.8	83.6	-	73.9	73.4	73.4	72.4
233	Women's and misses' outerwear	427.5	420.0	426.7	439.6	434.0	397.0	371.7	377.3	389.9	384.4
2331	Women's and misses' blouses and waists .	-	53.8	53.6	51.8	51.2	-	48.3	48.2	46.2	45.5
2335	Women's and misses' dresses	-	198.6	208.0	206.9	210.3	-	178.1	187.0	186.0	189.0
2337	Women's and misses' suits and coats ...	-	75.0	69.7	88.9	80.0	-	65.4	59.8	78.7	70.2
2339	Women's and misses' outerwear, n e c ...	-	92.6	95.4	92.0	92.5	-	79.9	82.3	79.0	79.7
234	Women's and children's undergarments ...	116.6	116.0	117.6	126.1	125.6	100.8	100.2	101.6	109.8	109.4
2341	Women's and children's underwear	-	81.5	82.6	86.1	85.7	-	71.4	72.4	76.0	75.7
2342	Corsets and allied garments	-	34.5	35.0	40.0	39.9	-	28.8	29.2	33.8	33.7
235	Hats, caps, and millinery	-	18.1	18.2	21.3	20.8	-	16.4	16.3	19.2	18.8
236	Children's outerwear	78.6	76.9	75.7	80.1	78.3	70.0	68.4	67.3	71.4	69.6
2361	Children's dresses and blouses	-	33.4	33.1	35.4	34.8	-	30.1	29.8	32.0	31.3
237,8	Fur goods and miscellaneous apparel	-	72.7	73.0	81.2	79.3	-	62.4	62.5	70.3	68.6
239	Misc. fabricated textile products	165.0	162.3	163.4	175.1	173.3	138.6	136.4	137.4	147.9	146.3
2391,2	Housefurnishings	-	62.0	62.9	65.3	65.1	-	53.0	53.9	56.0	55.6
26	PAPER AND ALLIED PRODUCTS	718.2	707.7	714.2	720.8	703.6	555.4	545.9	550.9	559.9	545.0
261,2,6	Paper and pulp mills	229.8	225.1	225.7	229.7	222.3	178.2	174.0	174.4	180.1	173.3
263	Paperboard mills	72.4	71.7	72.0	71.2	69.7	58.5	57.9	57.9	56.3	55.1
264	Misc. converted paper products	(*)	187.7	189.6	188.7	185.0	(*)	136.4	138.0	137.4	134.9
2643	Bags, except textile bags	-	42.4	43.4	42.0	41.9	-	34.2	35.0	33.9	33.9
265	Paperboard containers and boxes	228.1	223.2	226.9	231.2	226.6	182.2	177.6	180.6	186.1	181.7
2651,2	Folding and setup paperboard boxes	-	67.0	68.8	69.2	67.6	-	55.1	56.8	57.9	56.2
2653	Corrugated and solid fiber boxes	-	106.7	108.4	111.4	109.0	-	81.7	83.2	86.7	84.4
2654	Sanitary food containers	-	29.8	30.0	30.0	29.8	-	24.4	24.4	24.4	24.3
27	PRINTING AND PUBLISHING	1,102.8	1,102.0	1,109.9	1,092.3	1,077.6	678.4	679.7	687.3	680.4	672.3
271	Newspapers	374.4	372.4	373.2	369.0	365.9	181.4	181.5	181.9	180.1	179.9
272	Periodicals	-	74.9	74.9	73.7	74.0	-	25.0	25.5	25.6	26.0
273	Books	-	99.6	100.4	97.6	96.7	-	55.4	56.0	54.7	54.2
275	Commercial printing	352.5	354.1	357.9	349.9	342.6	271.6	273.0	276.7	272.1	266.4
2751	Commercial printing, ex. lithographic ...	-	214.5	217.4	214.6	213.3	-	166.9	169.7	168.6	168.0
2752	Commercial printing, lithographic	-	127.7	128.7	124.2	117.8	-	97.2	98.1	95.1	89.4
278	Blankbooks and bookbinding	59.6	57.6	58.5	58.2	56.9	49.0	47.2	48.2	48.0	46.8
274,6,7,9	Other publishing & printing ind.	144.3	143.4	145.0	143.9	141.5	97.9	97.6	99.0	99.9	99.0
28	CHEMICALS AND ALLIED PRODUCTS	1,058.4	1,057.4	1,063.8	1,072.9	1,056.8	607.9	606.8	614.7	631.4	623.9
281	Industrial chemicals	321.5	316.8	321.2	323.4	315.6	173.0	169.4	174.8	177.2	173.3
2812	Alkalies and chlorine	-	22.5	22.6	23.0	22.8	-	15.5	15.6	16.1	15.8
2818	Industrial organic chemicals, n e c ...	-	130.2	130.3	130.5	127.6	-	56.9	57.3	58.3	57.1
2819	Industrial inorganic chemicals, n e c ...	-	96.0	100.2	100.3	97.7	-	52.4	57.6	58.3	56.7
282	Plastics materials and synthetics	225.7	224.3	224.8	227.3	224.2	146.9	146.0	146.6	149.2	148.4
2821	Plastics materials and resins	-	96.2	96.2	96.8	94.8	-	58.2	58.5	58.9	58.4
2823,4	Synthetic fibers	-	114.7	114.8	116.8	115.8	-	78.8	78.8	81.3	81.2
283	Drugs	(*)	150.1	150.5	143.4	140.5	(*)	73.2	73.9	71.3	69.7
2834	Pharmaceutical preparations	-	116.9	116.7	111.8	109.6	-	56.6	56.4	55.6	54.5
284	Soap, cleaners, and toilet goods	126.5	123.8	123.4	124.0	119.6	72.4	69.9	69.9	73.1	70.4
2841	Soap and other detergents	-	40.7	40.3	40.9	39.9	-	26.1	25.8	26.7	26.0
2844	Toilet preparations	-	49.8	49.6	50.2	48.4	-	28.2	28.3	30.8	29.7
285	Paints and allied products	72.9	70.9	70.1	73.3	72.2	41.6	39.5	38.9	40.9	39.8
287	Agricultural chemicals	(*)	63.5	64.5	58.1	62.6	(*)	40.3	41.5	36.6	41.1
2871,2	Fertilizers, complete & mixing only	-	45.6	46.3	40.4	45.1	-	31.3	32.3	27.5	32.2
286,9	Other chemical products	(*)	108.0	109.3	124.4	122.1	(*)	68.0	69.1	83.1	81.2
2892	Explosives	-	35.2	35.9	47.3	46.8	-	25.6	25.9	36.6	36.2
29	PETROLEUM AND COAL PRODUCTS	197.0	191.6	190.4	192.9	188.1	121.6	117.3	116.7	120.8	116.6
291	Petroleum refining	156.2	152.6	152.7	153.0	150.0	91.9	89.4	90.0	91.7	89.2
295,9	Other petroleum and coal products	40.8	39.0	37.7	39.9	38.1	29.7	27.9	26.7	29.1	27.4

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)					Production workers ¹				
		All employees									
		June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969	June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969
	<i>Standard Goods--Continued</i>										
30	RUBBER AND PLASTICS PRODUCTS, N E C	576.4	543.5	580.8	599.4	589.9	433.2	408.5	445.6	465.8	457.2
301	Tires and inner tubes	(*)	92.1	118.7	118.7	116.1	(*)	55.2	82.8	83.8	81.2
302, 3,6	Other rubber products	166.5	164.5	172.0	184.1	183.0	127.4	126.8	133.5	144.5	143.7
302	Rubber footwear	-	23.7	23.7	26.3	25.9	-	20.2	20.3	22.3	22.0
307	Miscellaneous plastics products	285.2	286.9	290.1	296.6	290.8	224.6	226.5	229.3	237.5	232.3
31	LEATHER AND LEATHER PRODUCTS . . .	338.4	329.3	329.1	350.2	345.6	290.1	281.7	280.7	300.8	296.3
311	Leather tanning and finishing	28.2	27.9	28.0	30.1	29.7	24.3	24.1	24.2	26.1	25.5
314	Footwear, except rubber	227.2	221.1	218.8	230.4	228.4	198.3	192.7	189.9	200.9	199.2
312, 3,5-7,9	Other leather products	83.0	80.3	82.3	89.7	87.5	67.5	64.9	66.6	73.8	71.6
316	Luggage	-	17.9	19.4	21.9	21.5	-	13.6	15.1	17.6	17.3
317	Handbags and personal leather goods	-	33.6	33.8	37.2	35.6	-	28.1	28.2	31.3	29.8
-	TRANSPORTATION AND PUBLIC UTILITIES	4,548	4,470	4,432	4,494	4,411	3,946	3,868	3,831	3,907	3,830
40	RAILROAD TRANSPORTATION	-	632.4	626.2	657.4	646.0	-	-	-	-	-
4011	Class I railroads ²	-	565.0	559.7	584.3	573.2	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT	-	293.9	294.9	277.4	285.9	-	-	-	-	-
411	Local and suburban transportation	-	76.2	77.0	78.2	78.8	-	71.7	72.3	73.9	74.3
412	Taxicabs	-	113.8	115.6	108.4	109.5	-	-	-	-	-
413	Intercity highway transportation	-	43.5	42.8	43.8	42.8	-	40.0	39.3	40.3	39.0
42	TRUCKING AND WAREHOUSING	-	1,051.0	1,033.1	1,101.6	1,066.7	-	941.8	922.5	999.8	965.7
421,3	Trucking and trucking terminals	-	967.5	949.5	1,017.0	984.5	-	870.4	850.7	926.4	894.8
422	Public warehousing	-	83.5	83.6	84.6	82.2	-	71.4	71.8	73.4	70.9
45	TRANSPORTATION BY AIR	-	348.6	348.6	356.0	352.6	-	-	-	-	-
451,2	Air transportation	-	315.8	315.7	322.6	319.5	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	17.2	17.2	18.5	17.8	-	13.6	13.7	15.2	14.4
44,47	OTHER TRANSPORTATION AND SERVICES	-	331.4	325.8	356.6	351.5	-	-	-	-	-
44	WATER TRANSPORTATION	-	227.1	231.0	253.6	248.8	-	-	-	-	-
47	TRANSPORTATION SERVICES	-	104.3	104.8	103.0	102.7	-	-	-	-	-
48	COMMUNICATION	-	1,117.1	1,110.9	1,053.4	1,036.8	-	874.6	869.6	826.4	811.5
481	Telephone communication	-	929.2	923.6	873.9	857.9	-	737.9	733.0	695.6	681.3
482	Telegraph communication ³	-	31.8	31.9	32.6	32.9	-	21.8	21.8	22.5	22.5
483	Radio and television broadcasting	-	136.5	136.1	130.6	130.0	-	107.8	107.8	102.8	102.3
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	678.0	675.6	673.0	653.9	-	582.6	581.0	578.2	560.5
491	Electric companies and systems	-	281.6	280.7	279.8	272.2	-	240.0	239.3	239.2	232.2
492	Gas companies and systems	-	159.0	158.6	162.4	157.1	-	135.2	134.9	138.8	133.7
493	Combination companies and systems	-	185.9	185.3	181.1	176.2	-	162.3	162.1	156.4	151.9
494-7	Water, steam, & sanitary systems	-	51.5	51.0	49.7	48.4	-	45.1	44.7	43.8	42.7
-	WHOLESALE AND RETAIL TRADE	15,035	14,886	14,818	14,713	14,517	13,382	13,237	13,169	13,109	12,915
50	WHOLESALE TRADE	3,883	3,814	3,803	3,758	3,678	3,267	3,203	3,195	3,165	3,089
501	Motor vehicles & automotive equipment	-	321.5	319.2	307.0	301.8	-	263.1	262.4	254.4	249.7
502	Drugs, chemicals, and allied products	-	233.7	232.5	226.7	224.2	-	189.1	188.4	186.3	185.5
503	Dry goods and apparel	-	149.1	149.4	149.0	146.4	-	117.1	116.6	118.8	116.2
504	Groceries and related products	-	542.7	537.5	561.9	529.5	-	474.8	470.2	493.4	461.7
506	Electrical goods	-	324.8	322.4	305.2	299.8	-	274.5	272.4	254.3	248.7
507	Hardware; plumbing & heating equipment	-	171.0	173.0	171.2	168.3	-	144.5	146.6	144.9	142.1
508	Machinery, equipment, and supplies	-	753.3	752.5	730.3	723.9	-	642.6	641.4	620.0	614.9
509	Miscellaneous wholesalers	-	1,238.3	1,235.6	1,218.6	1,198.2	-	1,032.2	1,030.6	1,021.1	1,000.3
52-59	RETAIL TRADE	11,152	11,072	11,015	10,955	10,839	10,115	10,034	9,974	9,944	9,826
53	RETAIL GENERAL MERCHANDISE	-	2,264.0	2,256.5	2,218.0	2,193.0	-	2,075.0	2,065.2	2,037.4	2,009.6
531	Department stores	-	1,463.6	1,466.5	1,445.2	1,426.8	-	1,343.1	1,344.8	1,329.2	1,309.8
532	Mail order houses	-	121.0	121.6	123.0	119.9	-	112.1	112.4	114.0	110.7
533	Variety stores	-	322.3	322.4	314.2	314.4	-	298.5	297.7	290.7	290.3
54	FOOD STORES	-	1,739.1	1,734.8	1,673.6	1,674.8	-	1,617.4	1,612.2	1,559.7	1,558.3
541-3	Grocery, meat, and vegetable stores	-	1,567.2	1,566.2	1,505.2	1,507.8	-	1,456.8	1,454.9	1,403.2	1,404.1

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				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
-	WHOLESALE AND RETAIL TRADE (Continued)										
56	APPAREL AND ACCESSORY STORES	-	706.3	710.8	719.4	712.4	-	632.9	637.3	646.8	639.1
561	Men's & boys' clothing & furnishings	-	128.5	126.8	125.1	121.3	-	114.6	113.3	112.4	108.4
562	Women's ready-to-wear stores	-	266.1	266.5	269.9	268.5	-	238.8	239.2	243.0	242.0
565	Family clothing stores	-	101.7	100.4	107.5	106.0	-	94.7	93.3	99.9	98.5
566	Shoe stores	-	136.8	144.3	144.6	145.4	-	120.2	127.1	127.3	127.3
57	FURNITURE AND HOME FURNISHINGS STORES	-	449.8	451.5	454.2	450.0	-	391.8	393.1	397.7	394.4
571	Furniture and home furnishings	-	285.2	286.1	288.4	285.3	-	247.1	247.8	251.4	248.7
58	EATING AND DRINKING PLACES	-	2,520.5	2,491.9	2,500.8	2,458.3	-	2,360.8	2,332.1	2,341.4	2,299.8
52,55,59	OTHER RETAIL TRADE	-	3,391.9	3,369.5	3,389.0	3,350.2	-	2,956.0	2,934.1	2,960.8	2,924.7
52	Building materials and farm equipment	-	553.9	546.4	567.3	549.1	-	474.6	467.4	489.5	471.1
55	Automotive dealers & service stations	-	1,604.6	1,599.8	1,622.6	1,596.9	-	-	-	-	-
551,2	Motor vehicle dealers	-	766.8	770.1	778.0	772.7	-	648.7	651.5	660.6	655.8
553,9	Other automotive & accessory dealers	-	232.1	229.0	229.4	224.1	-	200.3	197.2	198.4	193.3
554	Gasoline service stations	-	605.7	600.7	615.2	600.1	-	-	-	-	-
59	Miscellaneous retail stores	-	1,233.4	1,223.3	1,199.1	1,204.2	-	-	-	-	-
591	Drug stores and proprietary stores	-	438.5	438.4	444.3	441.2	-	390.8	390.6	397.9	395.1
594	Book and stationery stores	-	65.9	66.4	61.7	62.5	-	56.7	57.5	53.0	53.7
596	Farm and garden supply stores	-	114.0	116.0	108.4	110.8	-	-	-	-	-
598	Fuel and ice dealers	-	102.8	106.3	101.3	101.2	-	89.1	92.1	87.9	87.8
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	3,692	3,672	3,658	3,584	3,533	2,919	2,900	2,890	2,853	2,806
60	Banking	-	1,037.6	1,043.7	985.7	967.3	-	854.6	852.3	817.7	800.3
61	Credit agencies other than banks	-	370.7	371.1	360.7	358.0	-	289.1	290.1	282.2	279.8
612	Savings and loan associations	-	107.7	107.5	103.4	102.3	-	85.8	85.7	82.6	81.6
614	Personal credit institutions	-	195.0	195.7	193.2	192.2	-	-	-	-	-
62	Security, commodity brokers & services	-	203.6	207.7	225.8	223.2	-	173.1	177.0	198.9	197.3
63	Insurance carriers	-	1,052.4	1,049.9	1,010.9	1,003.5	-	738.9	737.3	706.0	699.1
631	Life insurance	-	547.0	545.0	526.7	523.5	-	324.3	323.2	309.4	306.3
632	Accident and health insurance	-	93.6	93.3	87.1	86.0	-	80.5	80.2	75.1	74.2
633	Fire, marine, and casualty insurance	-	367.6	367.5	352.0	349.5	-	297.4	297.4	283.7	281.4
64	Insurance agents, brokers, and service	-	274.2	272.7	262.8	258.8	-	-	-	-	-
65	Real estate	-	649.7	638.9	654.6	640.4	-	-	-	-	-
655	Subdividers and developers	-	93.0	83.2	93.8	90.0	-	-	-	-	-
656	Operative builders	-	42.4	41.6	47.9	45.9	-	-	-	-	-
66,67	Other finance, insurance, & real estate	-	83.3	83.3	83.7	81.4	-	-	-	-	-
-	SERVICES	11,756	11,646	11,564	11,353	11,236	10,697	10,599	10,519	10,365	10,264
70	Hotels and other lodging places	-	761.0	745.3	784.2	747.7	-	-	-	-	-
701	Hotels, tourist courts, and motels	-	682.5	671.4	706.0	676.0	-	632.8	622.1	655.4	628.9
72	Personal services	-	1,007.5	1,006.2	1,043.2	1,032.0	-	-	-	-	-
721	Laundries and dry cleaning plants	-	516.2	512.6	548.1	539.8	-	469.4	466.1	499.9	491.5
722	Photographic studios	-	38.7	39.8	37.7	38.6	-	33.0	34.2	32.9	33.9
73	Miscellaneous business services	-	1,565.0	1,544.0	1,528.8	1,506.8	-	-	-	-	-
731	Advertising	-	123.7	123.1	122.0	120.9	-	-	-	-	-
732	Credit reporting and collection	-	77.1	76.7	76.9	75.8	-	-	-	-	-
734	Services to buildings	-	289.2	288.4	270.6	268.3	-	-	-	-	-
76	Miscellaneous repair services	-	180.2	180.9	178.7	177.0	-	-	-	-	-
78	Motion pictures	-	192.4	185.0	212.1	205.4	-	-	-	-	-
781	Motion picture filming & distributing	-	45.4	42.2	57.5	54.7	-	30.6	28.2	37.6	34.8
782,3	Motion picture theaters and services	-	147.0	142.8	154.6	150.7	-	-	-	-	-
80	Medical and other health services	-	3,043.4	3,033.9	2,880.4	2,830.4	-	-	-	-	-
806	Hospitals	-	1,863.3	1,860.6	1,775.2	1,750.6	-	-	-	-	-
81	Legal services	-	231.3	231.1	224.4	215.2	-	-	-	-	-
82	Educational services	-	1,193.1	1,197.8	1,070.7	1,167.1	-	-	-	-	-
821	Elementary and secondary schools	-	403.8	402.8	376.4	393.0	-	-	-	-	-
822,3	Colleges and universities	-	691.3	696.9	604.1	677.0	-	-	-	-	-
89	Miscellaneous services	-	645.0	656.0	633.9	616.0	-	-	-	-	-
891	Engineering & architectural services	-	302.6	303.6	312.4	304.5	-	-	-	-	-
892	Nonprofit research agencies	-	106.3	106.6	106.0	104.6	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969	June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969
-	GOVERNMENT	12,675	12,724	12,757	12,328	12,292	-	-	-	-	-
91	FEDERAL GOVERNMENT⁵	2,750	2,765	2,838	2,832	2,740	-	-	-	-	-
	Executive	-	2,728.6	2,802.0	2,795.9	2,704.5	-	-	-	-	-
	Department of Defense	-	1,048.1	1,053.4	1,162.4	1,125.2	-	-	-	-	-
	Post Office Department	-	716.5	716.0	736.6	723.1	-	-	-	-	-
	Other agencies	-	964.0	1,032.6	896.9	856.2	-	-	-	-	-
	Legislative	-	29.5	29.4	29.5	28.5	-	-	-	-	-
	Judicial	-	6.8	6.8	6.7	6.6	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	9,925	9,959	9,919	9,496	9,552	-	-	-	-	-
92	State government	-	2,689.9	2,686.1	2,549.9	2,557.9	-	-	-	-	-
	State education	-	1,144.0	1,142.4	1,026.6	1,078.6	-	-	-	-	-
	Other State government	-	1,545.9	1,543.7	1,523.3	1,479.3	-	-	-	-	-
93	Local government	-	7,269.2	7,233.1	6,946.4	6,994.3	-	-	-	-	-
	Local education	-	4,158.7	4,155.2	3,856.4	4,013.3	-	-	-	-	-
	Other local government	-	3,110.5	3,077.9	3,090.0	2,981.0	-	-	-	-	-

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
SEASONALLY ADJUSTED EMPLOYMENT

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

1957=59=100

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	51.6	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	34.1	-	-
1920.....	52.1	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	33.2	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.2	-	-
1922.....	49.2	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.3	-	-
1923.....	54.1	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.2	-	-
1924.....	53.4	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.3	34.7	-	-
1925.....	54.8	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.7	-	-
1926.....	56.8	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.3	-	-
1927.....	57.1	144.7	60.3	60.3	95.6	54.1	-	-	54.0	45.9	37.2	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	38.2	-	-
1929.....	59.7	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	39.1	24.1	45.0
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	40.1	23.8	46.6
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.6	25.3	48.0
1932.....	45.0	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	41.1	25.2	47.3
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.4	25.5	46.2
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	42.0	29.4	47.0
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.4	34.0	48.4
1936.....	55.4	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.2	46.7	37.3	50.5
1937.....	59.1	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.9	37.6	51.9
1938.....	55.6	115.7	36.5	56.9	70.2	56.6	-	-	56.3	50.4	49.5	37.4	54.2
1939.....	58.3	110.9	39.8	61.9	72.0	58.8	58.1	59.1	57.8	51.0	50.9	40.9	54.9
1940.....	61.6	120.1	44.8	66.2	74.5	61.8	60.6	62.3	59.4	53.4	53.6	45.0	56.9
1941.....	69.6	124.3	62.0	79.5	80.3	66.0	64.7	66.5	61.2	56.9	59.4	60.5	58.9
1942.....	76.4	128.8	75.2	92.1	84.9	65.2	62.9	66.0	60.8	59.2	69.9	100.0	58.1
1943.....	80.8	120.1	54.3	106.0	89.5	63.9	60.1	65.3	59.4	60.2	77.5	131.2	56.4
1944.....	79.7	115.8	37.9	104.4	93.9	64.6	60.8	66.0	58.3	60.4	77.0	132.2	55.3
1945.....	76.9	108.6	39.2	93.5	95.8	67.0	64.3	67.9	59.2	61.5	75.8	126.8	55.7
1946.....	79.3	111.9	57.5	88.6	99.6	76.7	75.6	77.1	67.1	68.4	71.3	101.8	59.3
1947.....	83.5	124.0	68.7	93.7	102.2	82.0	81.5	82.2	69.3	73.2	69.8	85.5	63.6
1948.....	85.5	129.1	75.1	93.9	102.8	84.9	85.9	84.5	72.3	75.5	72.0	84.1	67.2
1949.....	83.4	120.8	75.0	87.0	98.2	84.8	85.9	84.5	73.4	76.3	74.6	86.2	70.1
1950.....	86.1	117.0	80.8	91.8	99.0	85.9	86.9	85.6	75.8	78.1	76.8	87.1	72.8
1951.....	91.1	120.6	90.2	98.8	103.7	89.2	90.0	88.9	78.7	80.9	81.4	104.0	72.6
1952.....	93.0	116.6	91.2	100.2	104.2	91.6	92.8	91.2	81.8	83.1	84.2	109.3	74.4
1953.....	95.6	112.5	90.9	105.7	105.3	93.8	94.2	93.7	84.8	85.1	84.7	104.1	77.1
1954.....	93.3	102.7	90.5	98.3	100.2	93.7	94.6	93.4	88.3	87.0	86.0	98.8	81.0
1955.....	96.5	102.9	97.1	101.7	101.6	96.5	96.5	96.4	92.3	91.0	88.1	98.8	83.9
1956.....	99.8	106.8	103.9	103.9	104.1	99.4	99.6	99.4	96.0	94.8	92.7	99.8	90.0
1957.....	100.7	107.5	101.2	103.5	104.0	99.7	99.9	99.6	97.9	97.9	97.1	100.1	95.9
1958.....	97.8	97.5	96.2	96.1	97.5	98.4	98.3	98.5	99.6	98.7	99.9	99.0	100.3
1959.....	101.5	95.1	102.5	100.5	98.4	101.9	101.7	102.0	102.5	103.4	103.0	100.9	103.9
1960.....	103.3	92.5	99.9	101.2	98.2	104.3	103.7	104.5	105.5	107.7	106.5	102.5	108.0
1961.....	102.9	87.3	97.5	98.4	95.8	103.8	103.3	104.0	107.9	111.2	109.5	102.9	112.1
1962.....	105.9	84.4	100.5	101.5	95.8	105.9	105.5	106.1	110.7	116.4	113.3	105.7	116.3
1963.....	108.0	82.5	102.6	102.4	95.8	107.8	107.2	108.1	113.7	120.7	117.6	106.5	121.9
1964.....	111.1	82.3	105.6	104.1	96.9	111.3	110.1	111.8	116.9	126.3	122.3	106.1	128.7
1965.....	115.8	82.1	110.4	108.8	99.0	116.4	114.4	117.2	119.5	131.8	128.4	107.4	136.6
1966.....	121.8	81.4	113.4	115.8	101.8	121.3	118.7	122.2	122.5	138.5	137.5	115.8	146.1
1967.....	125.4	79.6	111.1	117.2	104.5	124.6	121.7	125.6	127.5	146.5	145.3	122.8	154.1
1968.....	129.3	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	100.7	134.1	129.1	135.9	140.0	162.0	159.8	124.8	167.7
1969: June.....	133.3	75.7	119.2	122.0	100.1	134.1	129.0	136.0	140.6	162.1	155.8	125.7	167.0
July.....	134.0	80.3	119.1	122.3	100.3	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	100.3	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	100.4	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	100.5	135.7	130.4	137.7	142.1	164.8	156.7	123.7	169.6
November.....	134.8	81.0	120.3	121.6	100.5	135.9	130.6	137.9	142.7	165.1	157.1	123.3	170.3
December.....	134.7	81.4	121.1	121.0	100.7	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	136.8	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 ^p	135.0	80.4	116.3	118.0	109.9	137.1	133.3	138.5	145.4	167.9	160.7	125.6	174.6
June ^p	134.5	79.5	115.2	117.2	110.4	137.1	133.3	138.4	144.8	167.8	160.2	122.0	175.2

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion had 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						
	June p	May p	Apr.	Nov.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
TOTAL	70,666	70,881	71,163	71,256	71,135	70,992	70,842	70,808	70,836	70,567	70,497	70,400	70,347
MINING	612	619	622	626	626	625	627	624	622	623	621	618	614
CONTRACT CONSTRUCTION	3,325	3,359	3,426	3,481	3,466	3,394	3,496	3,473	3,445	3,436	3,420	3,439	3,442
MANUFACTURING	19,460	19,580	19,795	19,944	19,937	20,018	20,082	20,082	20,233	20,252	20,246	20,247	20,248
DURABLE GOODS	11,278	11,388	11,529	11,648	11,625	11,679	11,773	11,782	11,965	11,968	11,950	11,955	11,957
Ordnance and accessories	251	256	261	271	277	281	290	296	298	306	316	322	326
Lumber and wood products	573	582	585	593	598	605	606	603	601	606	607	608	612
Furniture and fixtures	450	457	468	471	472	477	478	479	483	483	484	484	486
Stone, clay, and glass products	635	637	644	651	657	653	659	659	658	657	655	655	656
Primary metal industries	1,310	1,308	1,323	1,337	1,349	1,360	1,380	1,384	1,386	1,381	1,367	1,358	1,356
Fabricated metal products	1,385	1,396	1,411	1,425	1,428	1,436	1,447	1,444	1,445	1,452	1,451	1,446	1,444
Machinery, except electrical	1,982	2,003	2,032	2,046	2,048	2,043	2,051	2,043	2,050	2,041	2,028	2,032	2,032
Electrical equipment	1,930	1,955	1,979	1,995	1,993	1,922	1,930	1,934	2,051	2,049	2,043	2,045	2,038
Transportation equipment	1,876	1,900	1,925	1,950	1,890	1,988	2,009	2,028	2,078	2,078	2,081	2,086	2,087
Instruments and related products	462	468	471	472	472	474	476	476	476	477	479	478	479
Miscellaneous manufacturing	424	426	430	437	441	440	447	436	439	438	439	441	441
NONDURABLE GOODS	8,182	8,192	8,266	8,296	8,312	8,339	8,309	8,300	8,268	8,284	8,296	8,292	8,291
Food and kindred products	1,794	1,806	1,805	1,823	1,830	1,817	1,805	1,806	1,780	1,799	1,801	1,795	1,792
Tobacco manufactures	80	81	81	81	80	80	77	80	81	83	86	81	82
Textile mill products	962	972	979	980	987	999	995	993	991	992	992	999	1,000
Apparel and other textile products	1,383	1,379	1,394	1,396	1,398	1,416	1,410	1,405	1,406	1,409	1,410	1,416	1,419
Paper and allied products	709	714	721	721	720	721	720	718	716	715	714	712	712
Printing and publishing	1,101	1,108	1,111	1,113	1,113	1,113	1,110	1,109	1,106	1,100	1,097	1,093	1,090
Chemicals and allied products	1,050	1,060	1,063	1,066	1,067	1,068	1,067	1,064	1,062	1,064	1,064	1,064	1,064
Petroleum and coal products	193	192	193	194	193	193	192	191	191	189	190	189	189
Rubber and plastics products, nec	574	548	585	589	591	595	594	596	596	596	597	597	596
Leather and leather products	336	332	334	333	333	337	339	338	339	337	345	346	347
TRANSPORTATION AND PUBLIC UTILITIES	4,499	4,479	4,468	4,502	4,496	4,507	4,469	4,464	4,463	4,459	4,457	4,454	4,445
WHOLESALE AND RETAIL TRADE	14,968	14,976	14,991	14,984	14,987	14,938	14,750	14,848	14,824	14,739	14,713	14,673	14,647
WHOLESALE TRADE	3,860	3,860	3,853	3,847	3,834	3,828	3,807	3,782	3,775	3,762	3,751	3,742	3,736
RETAIL TRADE	11,108	11,116	11,138	11,137	11,153	1,110	10,943	11,066	11,049	10,977	10,962	10,931	10,911
FINANCE, INSURANCE, AND REAL ESTATE	3,663	3,679	3,673	3,665	3,652	3,648	3,626	3,611	3,596	3,584	3,580	3,567	3,556
SERVICES	11,571	11,577	11,564	11,537	11,530	11,472	11,431	11,383	11,361	11,289	11,248	11,205	11,174
Hotels and other lodging places	—	766	768	772	770	775	770	760	761	748	730	734	745
Personal services	—	1,002	1,006	1,015	1,018	1,016	1,016	1,021	1,025	1,026	1,026	1,030	1,027
Medical and other health services	—	3,059	3,043	3,025	3,007	2,992	2,973	2,950	2,931	2,914	2,891	2,875	2,860
Educational services	—	1,148	1,151	1,143	1,145	1,125	1,129	1,125	1,122	1,105	1,117	1,113	1,114
GOVERNMENT	12,568	12,612	12,624	12,517	12,441	12,390	12,361	12,323	12,292	12,185	12,212	12,197	12,221
FEDERAL	2,702	2,781	2,852	2,780	2,718	2,717	2,721	2,730	2,739	2,747	2,749	2,765	2,782
STATE AND LOCAL	9,866	9,831	9,772	9,737	9,723	9,673	9,640	9,593	9,553	9,438	9,463	9,432	9,439

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

Major industry group	(In thousands)												
	1970						1969						
	June p	May p	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
TOTAL	17,338	17,463	17,734	17,905	17,878	17,890	18,062	18,041	18,172	18,198	18,183	18,217	18,213
MINING	464	470	474	476	477	477	477	475	475	476	474	471	466
CONTRACT CONSTRUCTION	2,773	2,805	2,871	2,917	2,912	2,840	2,947	2,928	2,903	2,896	2,883	2,907	2,903
MANUFACTURING	14,101	14,188	14,389	14,512	14,489	14,573	14,638	14,638	14,794	14,826	14,826	14,839	14,844
DURABLE GOODS	8,108	8,187	8,318	8,409	8,367	8,425	8,516	8,522	8,703	8,713	8,698	8,706	8,707
Ordnance and accessories	138	141	143	151	155	156	164	168	170	174	181	187	188
Lumber and wood products	492	501	504	511	515	523	524	522	520	525	527	527	532
Furniture and fixtures	370	375	386	390	390	395	396	397	401	401	402	402	403
Stone, clay, and glass products	503	504	512	517	522	520	527	526	526	526	524	523	527
Primary metal industries	1,039	1,036	1,049	1,063	1,072	1,086	1,103	1,108	1,112	1,106	1,093	1,085	1,083
Fabricated metal products	1,054	1,062	1,079	1,087	1,090	1,100	1,110	1,106	1,107	1,116	1,115	1,114	1,112
Machinery, except electrical	1,321	1,339	1,366	1,381	1,381	1,383	1,391	1,384	1,391	1,386	1,374	1,381	1,384
Electrical equipment and supplies	1,273	1,293	1,313	1,323	1,319	1,246	1,255	1,264	1,373	1,367	1,363	1,370	1,364
Transportation equipment	1,306	1,320	1,345	1,358	1,291	1,384	1,403	1,418	1,468	1,477	1,481	1,475	1,473
Instruments and related products	285	287	289	289	289	289	292	292	293	294	296	296	296
Miscellaneous manufacturing industries	327	329	332	339	343	343	351	337	342	341	342	346	345
NONDURABLE GOODS	5,993	6,001	6,071	6,103	6,122	6,148	6,122	6,116	6,091	6,113	6,128	6,133	6,137
Food and kindred products	1,206	1,216	1,217	1,235	1,241	1,226	1,213	1,214	1,187	1,207	1,209	1,202	1,202
Tobacco manufactures	67	68	67	67	67	67	64	67	68	69	72	68	68
Textile mill products	844	853	860	861	867	878	874	873	872	874	874	883	883
Apparel and other textile products	1,211	1,210	1,221	1,223	1,226	1,242	1,238	1,233	1,234	1,236	1,238	1,243	1,246
Paper and allied products	547	551	556	558	557	558	557	554	554	554	552	552	552
Printing and publishing	678	682	687	690	690	691	691	690	689	685	683	681	680
Chemicals and allied products	603	606	610	613	616	619	620	619	619	621	623	625	626
Petroleum and coal products	118	118	118	119	119	119	118	118	118	118	118	118	118
Rubber and plastics products, nec	431	412	450	453	454	459	457	459	460	462	463	464	464
Leather and leather products	288	285	285	284	285	289	290	289	290	287	296	297	298

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

p = preliminary.

Advertisement on page 53 omitted.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		May 1970 ^p	Apr. 1970	May 1969	May 1970 ^p	Apr. 1970	May 1969	May 1970 ^p	Apr. 1970	May 1969	May 1970 ^p	Apr. 1970	May 1969
1	ALABAMA	1,003.1	1,003.9	1,000.0	8.4	8.3	8.3	54.0	50.9	54.6	316.3	320.2	324.0
2	Birmingham	260.4	259.6	254.9	5.5	5.5	5.4	15.6	15.2	15.3	72.2	71.9	72.1
3	Huntsville	77.4	77.6	77.2	(1)	(1)	(1)	3.0	2.7	3.3	13.0	13.1	11.6
4	Mobile	106.9	106.6	105.0	(1)	(1)	(1)	6.6	6.7	6.6	25.6	25.6	24.8
5	Montgomery	68.3	68.5	67.7	(1)	(1)	(1)	4.7	4.7	5.4	10.8	10.8	10.4
6	Tuscaloosa	35.9	36.6	36.7	(1)	(1)	(1)	2.3	2.2	2.2	9.0	9.9	10.1
7	ALASKA	88.5	84.5	85.4	2.9	3.2	3.7	6.5	5.4	6.4	7.5	5.6	7.8
8	ARIZONA	547.4	549.3	507.5	20.2	20.1	18.1	36.1	35.3	32.1	94.1	95.2	92.2
9	Phoenix	325.0	326.7	302.6	.2	.2	.2	20.7	20.4	17.8	73.1	74.3	73.6
10	Tucson	105.9	107.1	96.5	6.4	6.4	5.5	9.9	9.6	9.0	9.6	9.6	8.0
11	ARKANSAS	532.5	530.9	531.8	4.2	4.2	4.5	27.7	25.3	29.5	164.5	165.6	168.5
12	Fayetteville	25.6	25.6	25.5	(1)	(1)	(1)	1.2	1.3	1.4	7.4	7.4	7.7
13	Fort Smith	45.9	45.5	45.7	.5	.5	.5	3.6	3.3	3.2	16.5	16.5	16.7
14	Little Rock-North Little Rock	122.8	121.2	121.3	(1)	(1)	(1)	8.4	6.9	8.5	27.4	27.6	27.1
15	Pine Bluff	24.3	24.2	24.9	(1)	(1)	(1)	1.1	1.0	1.4	5.5	5.5	5.8
16	CALIFORNIA	6,990.9	6,960.1	6,878.2	31.8	31.9	32.2	308.5	303.4	302.7	1,567.8	1,585.1	1,647.8
17	Anaheim-Santa Ana-Garden Grove	419.8	417.0	402.0	2.0	2.0	2.1	23.1	22.6	21.1	120.4	121.4	130.2
18	Bakersfield	90.4	89.5	89.8	6.7	6.8	6.6	4.4	4.5	5.7	8.3	8.3	8.1
19	Fresno	114.9	113.6	112.3	.6	.6	.7	4.9	4.9	5.0	17.2	16.5	17.0
20	Los Angeles-Long Beach	2,899.6	2,887.1	2,884.4	11.3	11.4	11.9	108.8	107.1	106.2	823.0	836.7	880.9
21	Modesto-Turlock	51.1	50.2	51.4	.1	.1	.1	3.2	3.1	3.2	11.3	11.1	11.9
22	Ornard-Ventura	91.7	90.9	90.0	1.9	1.9	1.9	4.1	4.0	4.4	13.3	13.7	14.4
23	Sacramento	258.3	257.3	255.7	.2	.2	.2	10.8	10.2	10.5	22.3	22.1	24.5
24	Salinas-Monterey	61.8	60.6	60.3	.5	.4	.4	2.4	2.3	2.7	7.4	7.6	7.3
25	San Bernardino-Riverside-Ontario	297.4	297.5	287.3	2.3	2.3	2.3	14.1	14.0	13.5	52.4	52.4	53.3
26	San Diego	381.6	382.1	369.2	.5	.5	.5	20.9	20.8	21.1	67.3	68.3	68.1
27	San Francisco-Oakland	1,264.1	1,261.0	1,247.7	1.7	1.7	1.7	63.8	63.1	62.2	200.7	200.8	205.4
28	San Jose	373.1	372.6	364.4	.1	.1	.1	17.7	17.0	17.4	120.0	121.2	123.9
29	Santa Barbara	82.6	82.2	79.9	1.0	1.0	.9	4.3	4.4	4.7	10.4	10.5	10.3
30	Santa Rosa	50.2	49.3	48.1	.4	.4	.4	2.3	2.2	2.4	6.9	6.6	6.7
31	Stockton	87.0	85.9	86.7	.1	.1	.1	3.1	2.8	3.4	16.5	16.8	16.5
32	Vallejo-Napa	67.3	66.9	67.6	.2	.2	.2	2.2	2.2	2.4	6.3	6.2	7.0
33	COLORADO	721.3	718.2	700.5	13.7	13.7	12.7	40.0	38.9	36.7	112.5	111.9	111.2
34	Denver	467.1	465.1	453.7	4.5	4.5	4.5	27.6	27.0	24.9	81.7	81.4	80.8
35	CONNECTICUT	1,199.3	1,202.5	1,198.7	(2)	(2)	(2)	58.0	55.0	56.7	455.5	464.3	477.4
36	Bridgeport	149.9	149.1	156.7	(2)	(2)	(2)	6.4	6.1	6.2	66.8	66.9	77.7
37	Hartford	326.3	325.0	322.0	(2)	(2)	(2)	15.6	14.7	14.5	104.4	105.3	108.9
38	New Britain	46.8	46.6	46.9	(2)	(2)	(2)	1.9	1.6	1.8	24.6	24.6	25.0
39	New Haven	157.8	157.1	157.3	(2)	(2)	(2)	8.1	7.6	8.3	43.6	43.6	46.3
40	Stamford	83.2	81.2	80.1	(2)	(2)	(2)	4.0	3.9	4.0	28.4	27.3	28.1
41	Waterbury	78.3	78.3	80.0	(2)	(2)	(2)	3.6	3.3	3.3	37.2	37.6	40.9
42	DELAWARE	211.6	210.3	206.4	(2)	(2)	(2)	14.6	14.1	9.6	72.1	71.8	73.9
43	Wilmington	191.7	190.7	184.6	(2)	(2)	(2)	13.4	13.1	8.7	69.4	69.6	69.7
44	DISTRICT OF COLUMBIA ²	686.5	685.2	676.5	(2)	(2)	(2)	16.3	15.9	16.4	19.9	19.9	20.4
45	Washington SMSA	1,136.4	1,132.7	1,109.6	(2)	(2)	(2)	66.0	64.7	66.5	45.0	45.1	45.3
46	FLORIDA	2,145.6	2,172.0	2,063.0	8.0	8.0	8.0	167.4	168.8	156.7	326.0	328.7	331.7
47	Fort Lauderdale-Hollywood	172.9	179.9	161.2	(2)	(2)	(2)	24.7	26.4	22.9	20.3	20.5	20.6
48	Jacksonville	191.8	192.0	188.2	(2)	(2)	(2)	13.2	13.2	12.9	24.2	24.5	24.1
49	Miami	494.3	498.6	483.8	(2)	(2)	(2)	31.5	31.7	32.0	78.8	78.9	78.1
50	Orlando	136.2	135.7	130.9	(2)	(2)	(2)	13.5	13.4	11.2	20.6	20.3	22.8
51	Pensacola	67.5	67.3	66.8	(2)	(2)	(2)	4.9	4.8	5.2	14.6	14.6	14.6
52	Tampa-St. Petersburg	303.6	307.0	290.9	(2)	(2)	(2)	24.4	24.2	22.6	53.5	53.8	54.0
53	West Palm Beach	110.3	115.2	101.8	(2)	(2)	(2)	12.3	12.9	10.7	20.4	20.4	18.4
54	GEORGIA	1,528.0	1,528.7	1,508.2	6.8	6.9	6.8	76.7	76.6	83.2	461.2	461.3	469.0
55	Atlanta	607.7	602.9	588.1	(2)	(2)	(2)	29.1	28.9	36.6	127.9	125.0	124.6

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			
May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	
56.6	56.6	55.3	188.2	187.6	183.2	41.6	41.6	40.8	127.7	127.8	127.2	210.3	210.9	206.6	1
18.6	18.5	18.4	59.7	59.8	58.1	17.7	17.7	17.2	36.6	36.5	34.8	34.5	34.5	33.6	2
1.9	1.9	1.9	12.1	12.1	12.3	2.0	2.0	1.9	15.9	16.1	17.1	29.5	29.7	29.1	3
10.6	10.8	10.6	25.6	25.1	25.1	5.0	5.0	4.9	16.0	16.0	15.8	17.5	17.4	17.2	4
4.5	4.5	4.3	15.1	15.1	15.0	4.5	4.5	4.3	10.4	10.4	10.6	18.3	18.5	17.7	5
1.6	1.6	1.6	6.1	6.0	6.0	1.1	1.2	1.1	3.3	3.3	3.4	12.5	12.4	12.3	6
8.3	7.9	8.2	15.0	14.5	13.4	2.9	2.9	2.6	11.1	11.1	10.7	34.3	33.9	32.6	7
29.4	29.0	28.0	127.3	127.1	114.5	29.6	29.6	26.3	91.2	92.1	82.7	119.5	120.9	113.6	8
17.4	17.0	16.2	81.8	81.9	73.1	21.8	21.8	19.5	52.9	53.8	48.9	57.1	57.3	53.3	9
5.8	5.8	5.5	23.7	23.8	20.9	4.6	4.7	4.0	18.7	19.2	17.6	27.2	28.0	26.0	10
31.5	31.2	31.0	106.5	105.3	104.2	21.0	20.7	20.5	74.1	73.9	72.1	103.0	104.7	101.5	11
2.2	2.2	2.1	5.0	4.9	4.7	.6	.6	.6	3.3	3.3	3.3	5.9	5.9	5.7	12
2.7	2.7	2.7	8.7	8.6	8.7	1.4	1.4	1.4	6.4	6.4	6.4	6.1	6.1	6.1	13
9.5	9.1	9.4	26.5	26.3	26.2	8.7	8.7	8.4	18.2	18.3	18.0	24.1	24.3	23.7	14
3.2	3.2	3.1	4.6	4.6	4.7	.9	.9	.9	3.3	3.2	3.2	5.7	5.8	5.8	15
448.6	446.6	458.7	1,533.4	1,519.1	1,472.0	379.6	378.9	363.2	1,266.0	1,257.7	1,208.5	1,455.2	1,437.4	1,393.1	16
13.8	13.6	12.6	101.5	99.9	89.7	20.3	20.1	18.7	70.0	69.0	64.2	68.7	68.4	63.4	17
6.5	6.2	6.4	20.5	19.8	20.4	3.6	3.6	3.4	14.5	14.2	13.9	25.9	26.1	25.3	18
7.8	7.7	7.7	28.7	28.4	28.9	5.4	5.4	5.3	21.2	21.1	20.5	29.1	29.0	27.2	19
169.0	168.2	175.7	642.9	638.2	618.8	169.7	168.8	161.9	543.6	540.6	521.5	431.3	416.1	407.5	20
2.7	2.7	2.8	11.5	11.2	11.3	1.5	1.5	1.5	9.9	9.6	9.4	10.9	10.9	11.2	21
4.3	4.2	4.1	20.9	20.4	19.3	3.3	3.3	3.1	14.6	14.3	13.9	29.3	29.1	28.9	22
17.9	17.5	17.9	51.1	51.2	50.8	10.2	10.2	10.1	37.0	37.2	35.6	108.8	108.7	106.1	23
4.0	3.9	4.0	15.4	14.7	15.2	2.4	2.4	2.4	12.1	11.7	11.3	17.6	17.6	17.0	24
17.5	17.4	17.5	67.0	66.8	63.3	10.1	10.0	9.8	56.3	56.9	53.3	77.7	77.7	74.3	25
19.9	20.4	19.7	84.2	83.6	79.6	18.1	18.0	16.9	71.8	71.6	68.3	98.9	98.9	95.0	26
127.5	128.1	133.8	272.0	271.1	264.4	97.9	97.8	95.2	222.6	221.7	212.5	277.9	276.7	272.5	27
16.0	15.9	15.7	70.8	70.0	66.2	13.5	13.5	13.0	73.5	73.2	71.7	61.5	61.7	56.4	28
3.7	3.6	3.6	17.5	17.4	16.7	3.2	3.2	3.0	20.4	20.1	19.4	22.1	22.0	21.3	29
2.7	2.6	2.5	12.0	11.8	11.6	3.2	3.2	3.1	8.9	8.8	8.6	13.8	13.7	12.8	30
6.5	6.4	6.5	19.4	18.7	19.3	3.0	3.0	2.9	14.5	14.1	13.9	24.0	24.1	24.2	31
3.5	3.4	3.5	11.8	11.6	11.7	1.9	1.9	1.9	10.8	10.7	10.4	30.6	30.7	30.5	32
50.1	50.2	50.0	168.1	167.6	164.0	37.9	37.8	36.6	125.1	124.5	122.1	173.9	173.6	167.2	33
34.9	34.7	35.1	114.4	114.1	111.1	29.1	29.1	28.1	84.6	84.0	82.7	90.3	90.3	86.5	34
54.4	54.1	52.1	225.9	224.3	218.7	71.7	71.6	68.1	180.3	179.3	177.0	153.5	154.0	148.7	35
6.5	6.4	6.2	30.2	29.9	28.0	4.8	4.7	4.5	21.4	21.2	20.5	13.9	14.0	13.6	36
11.8	11.8	11.5	62.4	61.4	61.2	42.1	42.0	39.4	46.0	46.0	44.4	44.1	43.8	42.1	37
1.7	1.7	1.6	7.5	7.5	7.2	1.1	1.1	1.1	5.3	5.3	5.1	4.8	4.8	5.0	38
13.8	13.7	13.6	31.5	31.4	31.0	8.1	8.0	7.9	32.8	32.7	30.8	20.1	20.1	19.4	39
3.4	3.3	3.2	17.6	17.4	16.4	4.4	4.4	4.1	17.4	17.0	16.7	7.8	8.0	7.7	40
3.2	3.2	3.2	13.1	13.1	12.0	2.2	2.2	2.1	10.6	10.5	10.2	8.4	8.4	8.4	41
10.8	10.8	11.0	42.8	42.7	43.4	8.9	8.8	8.6	29.8	29.2	29.9	32.6	32.9	30.0	42
9.5	9.5	9.7	36.7	36.6	36.4	8.0	7.8	7.7	27.5	26.7	27.2	27.2	27.4	25.2	43
31.6	31.5	30.7	84.8	85.1	84.4	32.3	32.2	31.7	138.6	138.1	134.5	363.0	362.5	358.4	44
60.5	60.3	58.3	225.0	224.3	217.9	65.0	64.6	62.9	246.3	245.6	239.2	428.6	428.1	419.5	45
154.7	153.5	146.8	562.5	570.4	530.5	129.0	129.1	122.3	391.9	406.7	383.0	406.1	406.8	384.0	46
9.8	9.9	7.9	46.7	48.5	44.1	11.3	11.2	10.2	34.4	37.7	32.2	25.7	25.7	23.3	47
21.2	21.2	20.8	51.9	51.9	51.5	18.6	18.5	17.2	28.6	28.6	28.3	34.1	34.1	33.4	48
52.2	52.2	54.1	132.1	133.0	125.7	32.1	32.0	31.3	110.1	112.0	105.6	57.5	58.8	57.0	49
8.6	8.6	7.7	38.2	38.4	37.4	9.3	9.2	8.7	23.7	23.5	22.5	22.3	22.3	20.6	50
3.5	3.5	3.4	14.8	14.7	14.1	2.6	2.6	2.5	8.9	8.7	8.8	18.2	18.4	18.2	51
20.9	21.1	19.8	87.0	88.5	82.2	17.8	17.6	17.1	55.1	57.0	52.9	44.9	44.8	42.3	52
5.1	5.1	4.6	27.9	29.5	26.3	7.2	7.0	6.4	20.7	23.5	19.8	16.7	16.8	15.6	53
107.9	107.5	101.5	325.6	326.1	315.2	73.7	73.4	71.2	178.9	178.7	177.0	297.2	298.2	284.3	54
59.8	59.5	56.0	165.2	165.8	154.8	42.6	42.0	40.2	88.7	88.2	87.5	94.4	93.5	88.4	55

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969
GEORGIA (continued)													
1	Augusta	87.1	88.2	87.4	(1)	(1)	(1)	5.6	5.6	5.3	29.5	29.8	31.0
2	Columbus	69.7	69.5	70.3	(1)	(1)	(1)	4.6	4.5	4.3	19.0	18.9	19.7
3	Macon	78.6	78.8	78.4	(1)	(1)	(1)	5.5	5.4	4.5	14.1	14.4	15.3
4	Savannah	67.7	68.0	68.1	(1)	(1)	(1)	4.4	4.3	3.8	16.4	16.6	17.1
HAWAII													
5	Honolulu	284.6	284.1	271.2	(1)	(1)	(1)	23.8	24.1	22.1	25.5	24.8	24.6
6	Honolulu	242.6	242.1	231.3	(1)	(1)	(1)	21.1	21.4	19.7	19.0	18.3	17.8
IDAHO													
7	Boise	203.4	199.7	197.9	3.6	3.5	3.4	9.8	9.1	9.6	39.5	37.9	39.1
8	Boise	40.0	39.6	37.7	(1)	(1)	(1)	2.3	2.2	2.3	4.6	4.6	4.5
ILLINOIS													
9	Chicago ⁴	4,325.8	4,331.2	4,351.2	22.4	22.0	23.5	192.6	188.1	196.8	1,341.8	1,363.7	1,392.5
10	Chicago	2,991.7	3,002.0	3,002.8	4.8	4.8	5.1	130.1	126.4	132.4	935.2	956.3	971.5
11	Chicago-Northwestern Indiana	(*)	(*)	3,224.0	(*)	(*)	5.2	(*)	(*)	147.4	(*)	(*)	1,077.0
12	Davenport-Rock Island-Moline	(*)	131.5	134.8	(*)	(2)	(2)	(*)	5.6	6.5	(*)	43.5	45.8
13	Peoria	(*)	131.0	123.0	(*)	(2)	(2)	(*)	7.4	4.9	(*)	49.1	45.0
14	Rockford	(*)	111.9	112.9	(*)	(2)	(2)	(*)	4.8	5.2	(*)	55.8	58.0
INDIANA													
15	Evansville	1,859.9	1,858.3	1,874.2	7.4	7.4	7.6	87.2	84.6	90.2	709.3	716.3	745.2
16	Fort Wayne	86.5	86.7	89.2	1.6	1.6	1.5	1.8	1.9	4.4	34.2	34.1	34.4
17	Gary-Hammond-East Chicago ⁴	120.9	121.6	119.5	(1)	(1)	(1)	5.6	5.3	6.0	44.6	45.9	45.9
18	Indianapolis	226.3	223.1	221.2	(1)	(1)	(1)	15.7	15.6	15.0	107.4	107.2	105.5
19	Muncie	431.0	428.8	426.5	(1)	(1)	(1)	22.5	21.9	20.6	133.1	133.9	138.1
20	South Bend	47.8	47.9	47.1	(1)	(1)	(1)	2.0	1.8	2.5	19.0	19.4	18.5
21	Terre Haute	93.6	93.5	95.8	(1)	(1)	(1)	4.0	3.8	4.3	32.7	33.4	34.4
22	Terre Haute	55.4	55.3	54.4	1.1	1.0	1.0	2.4	2.1	2.5	15.3	15.5	15.0
IOWA													
23	Cedar Rapids	886.6	885.6	879.6	3.3	3.2	3.2	39.3	38.0	40.5	212.5	213.9	221.0
24	Des Moines	64.7	65.1	66.8	(1)	(1)	(1)	2.1	2.3	2.2	25.2	25.6	27.8
25	Dubuque	129.6	131.7	128.2	(1)	(1)	(1)	5.2	6.6	6.4	26.4	26.9	26.1
26	Sioux City	34.6	34.5	33.6	(1)	(1)	(1)	1.7	1.7	1.5	14.3	14.2	13.9
27	Waterloo	41.2	41.7	40.7	(1)	(1)	(1)	1.4	1.8	2.2	9.5	9.6	8.6
28	Waterloo	49.7	49.7	49.1	(1)	(1)	(1)	2.3	2.1	1.9	18.2	18.4	18.5
KANSAS													
29	Topeka	676.7	675.7	686.5	11.4	11.5	11.5	34.4	33.1	35.8	130.2	132.8	145.6
30	Wichita	59.6	62.6	61.4	.1	.1	.1	2.9	2.9	3.5	7.0	9.8	9.2
31	Wichita	139.0	140.6	149.2	2.1	2.1	2.4	7.0	7.2	6.8	39.6	41.1	49.5
KENTUCKY													
32	Lexington	908.8	901.5	897.4	28.1	27.9	26.7	49.6	48.7	57.5	247.6	248.2	245.2
33	Louisville	77.6	77.5	76.4	(1)	(1)	(1)	5.7	5.4	5.7	14.7	15.8	16.1
34	Louisville	339.0	336.5	330.8	(1)	(1)	(1)	17.4	16.9	17.4	116.6	117.6	120.9
LOUISIANA													
35	Baton Rouge	1,040.0	1,042.1	1,041.9	51.0	51.1	50.9	77.0	77.7	82.2	176.8	175.6	179.8
36	Lake Charles	98.8	100.1	103.3	.7	.7	.5	10.6	11.2	12.6	17.9	18.0	18.9
37	Monroe	41.3	41.3	41.6	1.6	1.6	1.5	5.3	5.1	5.7	9.0	8.9	8.9
38	New Orleans	38.1	38.0	38.2	.4	.4	.3	3.6	3.5	3.7	6.5	6.5	6.9
39	Shreveport	372.8	374.1	370.4	14.4	14.8	13.8	21.6	21.5	22.2	53.9	54.5	56.3
40	Shreveport	93.6	93.2	91.9	3.9	3.9	4.2	6.3	6.4	5.6	16.6	15.8	17.2
MAINE													
41	Lewiston-Auburn	327.8	326.1	328.8	(1)	(1)	(1)	15.1	13.5	15.6	107.1	109.9	114.8
42	Portland	28.6	28.4	28.9	(1)	(1)	(1)	1.4	1.3	1.4	13.0	12.8	13.8
43	Portland	64.7	63.6	63.6	(1)	(1)	(1)	3.4	2.9	3.2	14.5	14.4	15.4
MARYLAND³													
44	Baltimore	1,302.8	1,295.5	1,266.8	1.8	1.8	1.8	82.5	79.7	84.7	272.0	272.8	274.5
45	Baltimore	810.1	807.6	793.8	.3	.3	.3	41.0	39.1	42.3	199.2	200.3	201.1
MASSACHUSETTS													
46	Boston	2,255.1	2,239.2	2,237.1	(1)	(1)	(1)	94.0	86.0	93.3	650.7	654.3	677.8
47	Boston	1,303.8	1,297.8	1,279.5	(1)	(1)	(1)	55.1	52.4	49.8	285.2	286.9	295.6
48	Brockton	50.9	50.2	49.7	-	-	-	2.2	2.1	2.0	16.2	16.0	17.0
49	Fall River	48.3	48.1	47.6	(1)	(1)	(1)	(1)	(1)	(1)	22.9	23.1	23.0
50	Lawrence-Haverhill	81.1	81.5	80.9	(1)	(1)	(1)	2.0	1.9	2.0	37.7	38.1	38.4
51	Lowell ⁵	54.5	54.3	54.1	(1)	(1)	(1)	2.7	2.4	2.7	20.7	21.1	21.1
52	New Bedford	54.2	54.1	55.6	(1)	(1)	(1)	1.8	1.7	1.8	25.4	25.6	27.1
53	Springfield-Chicopee-Holyoke	195.2	191.3	196.1	(1)	(1)	(1)	8.2	4.0	7.8	68.3	68.7	72.6
54	Worcester	130.1	130.0	130.2	(1)	(1)	(1)	5.4	5.2	5.2	46.0	46.2	48.5

See footnotes at end of table

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	
4.1	4.1	3.9	14.7	14.9	14.5	3.2	3.1	3.1	9.8	10.1	9.7	20.2	20.6	19.9	1
3.3	3.3	3.3	13.8	13.8	13.3	4.0	3.9	3.7	8.7	8.5	8.7	16.3	16.6	17.3	2
3.5	3.5	3.5	14.5	14.1	14.3	4.0	4.0	3.8	9.1	9.0	8.9	27.9	28.4	28.1	3
7.0	7.0	7.2	15.3	15.4	15.8	3.2	3.2	3.1	9.4	9.4	9.3	12.0	12.1	11.8	4
23.7	23.5	22.1	65.5	65.3	62.1	18.1	17.9	16.7	55.7	55.9	52.5	72.3	72.6	71.1	5
20.0	19.8	18.7	56.1	56.0	53.1	16.8	16.6	15.3	46.5	46.6	43.7	63.1	63.4	63.0	6
14.3	14.1	13.9	48.5	48.0	47.3	8.0	7.9	7.5	31.2	30.8	30.7	48.5	48.4	46.4	7
3.3	3.2	3.2	11.2	11.0	10.5	2.8	2.8	2.6	6.5	6.5	6.0	9.3	9.3	8.6	8
257.8	257.1	287.9	957.4	952.4	939.5	235.1	234.2	226.2	687.4	683.7	671.5	631.4	630.2	613.3	9
187.7	185.9	207.2	673.9	673.1	666.3	183.1	182.5	177.0	512.3	509.5	496.9	364.6	363.5	346.3	10
(*)	(*)	220.7	(*)	(*)	703.3	(*)	(*)	183.0	(*)	(*)	519.2	(*)	(*)	368.1	11
(*)	6.6	7.0	(*)	29.2	29.1	(*)	5.2	5.1	(*)	18.8	18.2	(*)	22.7	23.1	12
(*)	6.9	7.3	(*)	28.1	27.8	(*)	5.3	5.0	(*)	18.9	18.2	(*)	15.1	14.9	13
(*)	3.2	3.5	(*)	20.7	20.6	(*)	3.2	3.2	(*)	13.9	13.3	(*)	10.2	9.2	14
99.4	98.7	99.0	371.2	368.0	362.1	75.5	75.2	73.9	208.9	208.0	204.9	301.0	300.1	291.4	15
5.2	5.2	5.2	18.8	18.7	19.1	3.3	3.3	3.3	13.0	13.1	13.0	8.6	8.8	8.3	16
8.1	8.2	8.1	28.2	28.1	26.8	6.6	6.5	6.2	15.8	15.6	15.2	12.0	12.0	11.3	17
13.2	11.5	13.5	38.0	37.5	37.0	6.2	6.2	6.0	23.0	22.5	22.4	22.8	22.6	21.8	18
28.3	28.1	27.5	94.4	94.4	94.4	29.0	28.8	28.1	55.6	54.4	52.9	67.3	67.3	64.9	19
2.4	2.4	2.5	8.9	8.9	8.7	1.4	1.4	1.4	5.2	5.2	5.0	8.9	8.8	8.5	20
4.9	4.6	4.9	20.3	20.2	20.9	4.9	4.8	4.8	15.9	15.7	16.1	10.9	11.0	10.4	21
4.1	4.1	4.1	12.9	12.9	13.1	1.7	1.7	1.7	6.6	6.6	6.4	11.3	11.4	10.6	22
50.7	50.2	51.1	210.2	208.9	207.1	42.3	42.0	40.4	146.7	145.6	143.5	181.7	183.8	173.0	23
3.1	3.0	3.1	13.4	13.3	13.5	3.1	3.2	3.0	10.5	10.4	10.2	7.3	7.4	6.9	24
9.0	8.9	9.1	32.2	32.4	32.4	15.5	15.4	14.2	22.5	22.3	21.7	18.7	19.3	18.3	25
1.7	1.7	1.8	6.7	6.7	6.8	.9	.9	.9	6.6	6.5	6.3	2.7	2.7	2.4	26
3.2	3.2	3.2	11.7	11.7	11.9	2.0	2.0	1.9	7.8	7.9	7.7	5.6	5.5	5.2	27
2.4	2.4	2.5	9.8	9.8	10.0	1.5	1.5	1.4	7.4	7.3	7.3	8.2	8.2	7.5	28
51.2	50.9	51.6	158.5	157.8	156.3	30.1	30.0	29.2	103.7	102.9	102.3	157.2	156.7	154.2	29
7.0	7.3	7.4	13.2	13.1	12.8	3.9	3.9	3.8	10.2	10.2	9.7	15.5	15.7	15.0	30
7.7	7.6	7.9	31.6	31.6	32.8	6.5	6.4	6.7	25.1	24.9	24.1	19.6	19.9	19.2	31
59.8	59.5	59.9	185.0	183.2	180.6	35.3	35.0	34.7	129.5	126.5	125.1	173.9	172.5	167.7	32
4.3	4.2	4.2	14.7	14.6	14.7	3.7	3.7	3.6	13.1	12.3	11.9	21.4	21.5	20.2	33
23.2	23.2	22.8	72.4	71.6	68.3	17.2	17.2	16.5	49.8	48.3	46.8	42.3	41.7	38.1	34
94.3	94.9	93.6	226.4	226.9	228.7	49.7	50.0	48.8	149.7	149.2	150.5	215.1	216.7	207.4	35
4.6	5.4	5.2	21.0	21.1	22.1	5.4	5.4	5.6	13.7	13.6	14.1	24.9	24.9	24.3	36
2.8	3.1	3.1	8.2	8.2	8.3	1.5	1.5	1.5	5.8	5.7	5.7	7.1	7.2	6.9	37
2.4	2.4	2.3	10.1	10.1	9.9	2.4	2.4	2.4	5.3	5.3	5.2	7.4	7.4	7.5	38
46.8	46.4	46.9	89.1	89.3	88.0	22.5	22.5	22.5	67.1	67.6	66.1	57.4	57.6	54.7	39
9.4	9.4	9.3	23.2	23.3	22.5	4.7	4.7	4.7	14.0	14.0	13.9	15.5	15.7	14.5	40
17.2	16.9	17.1	67.0	65.7	64.0	12.1	12.0	11.6	42.0	41.1	41.2	67.3	67.0	64.5	41
.9	.9	.9	6.3	6.3	6.1	.9	.9	.8	4.1	4.1	4.0	2.0	2.1	1.9	42
5.2	5.1	5.2	17.5	17.2	16.8	5.4	5.4	5.1	11.1	10.9	10.7	7.6	7.7	7.2	43
80.7	80.8	79.1	304.7	302.2	289.3	68.3	67.8	65.5	236.2	234.1	227.4	256.6	256.3	244.5	44
56.7	56.8	56.0	174.0	173.4	168.1	43.6	43.4	41.8	138.4	137.7	132.9	156.9	156.6	151.3	45
118.2	117.2	113.5	488.9	483.4	480.8	129.6	129.2	123.9	476.6	467.0	454.2	303.1	302.1	293.6	46
76.9	76.9	73.1	293.4	290.5	288.9	94.5	94.3	89.9	322.5	320.3	310.9	176.2	176.5	171.3	47
3.6	3.5	3.2	12.9	12.7	12.2	1.4	1.4	1.4	6.8	6.7	6.3	7.8	7.8	7.6	48
1.8	1.8	1.7	9.4	9.2	9.3	(1)	(1)	(1)	9.8	9.6	9.3	4.4	4.4	4.3	49
2.4	2.4	2.3	15.0	15.0	14.8	2.4	2.3	2.4	9.6	9.6	9.9	12.0	12.2	11.1	50
2.0	2.0	2.0	11.5	11.3	11.3	1.4	1.4	1.4	9.2	9.2	8.9	7.0	6.9	6.7	51
2.7	2.7	2.6	9.9	9.9	9.9	(1)	(1)	(1)	9.6	9.4	9.6	4.8	4.8	4.6	52
8.3	8.1	8.2	40.4	40.4	39.7	9.3	9.3	9.1	35.3	35.2	34.3	25.4	25.6	24.4	53
6.3	6.3	6.5	26.3	26.3	25.6	7.2	7.2	6.7	22.6	22.6	22.1	16.3	16.2	15.6	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May 1970	Apr. 1970	May 1969
1	MICHIGAN.....	3,019.1	3,013.1	3,070.6	13.5	12.4	13.2	102.3	99.4	114.1	1,099.7	1,109.0	1,169.2
2	Ann Arbor.....	105.1	105.3	103.5	(1)	(1)	(1)	3.1	2.8	3.2	34.5	34.6	37.3
3	Battle Creek.....	58.2	58.1	58.9	(1)	(1)	(1)	2.2	2.0	2.1	25.2	25.4	26.4
4	Bay City.....	29.3	29.3	30.4	(1)	(1)	(1)	1.1	1.1	1.2	10.9	11.1	12.2
5	Detroit.....	1,499.2	1,495.0	1,541.7	1.1	1.0	1.1	51.8	50.8	60.2	567.4	569.8	604.6
6	Flint.....	160.1	159.8	161.6	(1)	(1)	(1)	6.8	6.7	6.4	84.2	84.4	88.1
7	Grand Rapids.....	180.9	180.9	189.0	(1)	(1)	(1)	7.2	7.2	9.3	69.7	70.3	75.9
8	Jackson.....	44.3	45.8	46.5	(1)	(1)	(1)	2.2	2.1	2.2	16.7	18.4	19.4
9	Kalamazoo.....	70.3	72.8	70.9	(1)	(1)	(1)	3.3	3.2	3.4	28.2	29.0	29.8
10	Lansing.....	134.5	133.4	130.7	(1)	(1)	(1)	5.0	4.8	6.2	39.1	39.2	39.1
11	Muskegon-Muskegon Heights.....	50.8	51.0	52.0	(1)	(1)	(1)	1.5	1.6	2.3	26.2	26.7	27.7
12	Saginaw.....	73.6	73.8	73.6	(1)	(1)	(1)	3.5	3.5	3.7	32.0	32.5	33.2
13	MINNESOTA.....	1,304.5	1,300.9	1,293.6	14.4	13.9	14.8	55.8	61.0	67.7	317.8	319.2	322.8
14	Duluth-Superior.....	57.0	56.5	56.5	(1)	(1)	(1)	2.3	2.5	2.4	10.3	10.5	10.5
15	Minneapolis-St. Paul.....	789.8	789.7	780.3	(1)	(1)	(1)	36.7	38.8	40.4	215.2	216.1	218.6
16	MISSISSIPPI.....	580.0	576.6	566.9	5.9	6.0	6.0	35.3	34.1	31.2	178.3	178.6	181.1
17	Jackson.....	90.3	90.0	89.8	.7	.7	.7	5.1	4.8	5.7	13.3	13.3	14.5
18	MISSOURI.....	1,651.3	1,653.0	1,657.4	8.2	8.9	9.0	60.3	70.2	72.6	436.9	438.4	448.3
19	Kansas City.....	505.5	510.0	498.9	.6	.6	.5	14.9	19.7	17.8	127.4	128.1	126.7
20	St. Joseph.....	32.0	32.1	32.4	(2)	(2)	(2)	1.5	1.6	2.4	10.1	10.1	10.0
21	St. Louis.....	891.3	885.9	905.4	1.6	1.9	2.5	36.3	40.5	42.7	272.6	273.6	282.9
22	Springfield.....	54.8	54.7	55.1	.1	.1	.1	2.9	2.8	2.8	14.5	14.5	15.3
23	MONTANA.....	196.6	192.9	196.4	6.4	6.5	5.7	10.6	8.9	11.3	22.7	22.1	23.9
24	Billings.....	27.7	27.4	27.9	(1)	(1)	(1)	1.2	1.0	1.5	2.6	2.6	2.8
25	Great Falls.....	24.1	23.5	24.8	(1)	(1)	(1)	1.5	1.1	2.2	2.9	2.9	3.1
26	NEBRASKA.....	482.2	482.8	472.8	1.9	1.8	1.7	27.1	26.4	25.6	83.2	84.3	85.4
27	Lincoln.....	70.5	72.0	69.5	-	-	-	3.6	3.5	3.1	9.0	10.4	10.7
28	Omaha.....	209.5	207.8	204.0	(2)	(2)	(2)	12.0	11.8	11.9	40.2	40.0	39.7
29	NEVADA.....	195.9	194.1	186.0	4.0	4.0	3.9	11.6	11.3	11.0	8.2	8.2	7.7
30	Las Vegas.....	109.8	108.9	102.9	.2	.2	.2	7.1	7.0	6.5	4.2	4.2	3.9
31	Reno.....	54.9	54.1	50.7	.2	.2	.2	3.4	3.3	3.1	2.9	2.8	2.7
32	NEW HAMPSHIRE.....	256.0	252.7	255.4	.4	.3	.4	11.6	10.7	13.9	94.0	94.3	98.0
33	Manchester.....	49.5	49.2	49.5	(1)	(1)	(1)	2.4	2.4	2.8	16.6	16.6	17.1
34	NEW JERSEY.....	2,614.4	2,599.4	2,576.7	3.4	3.3	3.5	125.5	119.7	119.1	872.7	873.6	894.3
35	Atlantic City.....	63.9	62.5	62.8	-	-	-	4.0	3.8	3.6	10.7	10.8	11.0
36	Camden.....	256.0	254.2	250.6	.1	.1	.1	14.6	14.2	13.6	73.5	74.6	77.0
37	Jersey City.....	268.9	269.2	266.8	-	-	-	8.1	7.7	7.2	110.4	110.4	111.5
38	Newark.....	798.2	796.7	795.5	1.0	1.0	1.0	32.1	31.2	33.3	249.8	250.6	259.7
39	Paterson-Clifton-Passaic.....	505.0	503.9	496.7	.4	.4	.4	22.7	21.7	21.5	186.7	187.7	193.0
40	Perth Amboy.....	276.8	276.3	264.8	.8	.8	.8	14.2	13.7	12.4	112.9	112.4	113.0
41	Trenton.....	132.5	132.7	131.4	(1)	(1)	(1)	4.4	4.3	3.9	40.1	40.0	41.6
42	NEW MEXICO.....	289.6	289.7	283.5	17.2	16.9	17.1	16.5	17.3	17.5	20.4	20.4	19.6
43	Albuquerque.....	106.8	106.8	102.0	(1)	(1)	(1)	6.6	6.8	6.3	9.0	9.0	8.3
44	NEW YORK.....	7,258.9	7,221.8	7,206.7	8.1	7.9	8.3	269.3	256.8	275.3	1,820.0	1,827.7	1,877.0
45	Albany-Schenectady-Troy.....	276.2	275.5	273.9	(1)	(1)	(1)	14.1	13.2	14.1	62.2	62.4	64.4
46	Binghamton.....	105.2	104.6	106.2	(1)	(1)	(1)	4.5	4.3	5.2	43.1	43.4	45.0
47	Buffalo.....	503.7	499.1	503.7	(1)	(1)	(1)	20.1	17.8	20.8	171.8	173.9	176.4
48	Elmira.....	38.9	38.3	39.3	(1)	(1)	(1)	2.0	1.7	1.9	15.6	15.6	16.1
49	Monroe County.....	300.3	304.9	304.1	(1)	(1)	(1)	7.2	12.3	13.2	132.1	132.5	134.0
50	Nassau and Suffolk Counties.....	716.9	710.3	698.6	(1)	(1)	(1)	41.8	39.8	39.3	152.9	152.7	164.0
51	New York-Northeastern New Jersey.....	(*) 6,767.0	6,702.1	6,702.1	(*) 4.9	4.8	4.8	(*) 241.7	245.4	(*)	1,722.7	1,722.7	1,767.8
52	New York SMSA.....	4,938.5	4,921.1	4,878.2	2.7	2.6	2.6	168.3	168.0	171.0	1,058.5	1,061.7	1,090.6
53	New York City.....	3,854.3	3,842.4	3,817.7	2.1	2.1	1.9	108.0	106.0	108.1	813.2	812.5	832.5
54	Rochester.....	339.4	345.0	344.1	(1)	(1)	(1)	8.4	14.1	15.1	144.0	144.7	146.3
55	Rockland County.....	59.6	58.5	58.3	(1)	(1)	(1)	3.5	3.2	4.0	15.3	15.3	15.8
56	Syracuse.....	227.6	225.6	227.4	(1)	(1)	(1)	11.1	10.1	11.7	64.1	65.0	67.6
57	Utica-Rome.....	116.0	114.2	117.3	(1)	(1)	(1)	3.5	2.9	3.7	41.4	41.3	44.3
58	Westchester County.....	307.7	310.0	303.6	(1)	(1)	(1)	15.0	19.0	19.6	77.2	78.1	78.3

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			
May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	
147.7	144.1	148.1	577.3	577.7	583.0	116.0	115.2	114.8	405.5	403.3	399.8	557.3	551.9	528.4	1
2.7	2.7	2.7	14.1	14.1	12.9	2.3	2.2	2.1	11.1	11.1	10.4	37.4	37.7	34.8	2
2.6	2.6	2.3	9.2	9.1	9.1	3.2	3.2	3.3	7.8	7.8	7.7	8.1	8.1	7.9	3
1.6	1.6	1.6	6.7	6.7	7.0	.8	.8	.8	3.7	3.7	3.8	4.3	4.3	4.0	4
79.0	77.7	80.0	291.3	290.5	292.3	67.7	67.1	66.6	215.5	214.5	216.9	225.5	223.6	220.1	5
6.0	5.6	5.2	21.1	21.1	22.7	4.2	4.2	4.2	17.3	17.4	16.6	20.4	20.6	18.5	6
9.2	9.2	9.8	43.4	43.3	43.1	7.3	7.2	7.4	26.5	26.4	26.5	17.7	17.4	17.0	7
4.3	4.3	4.0	8.5	8.4	8.4	1.4	1.4	1.4	5.1	5.1	5.0	6.3	6.3	6.2	8
2.3	2.4	2.3	13.3	13.2	13.0	2.2	2.2	2.2	9.2	9.1	8.8	11.9	13.7	11.5	9
3.5	3.5	3.1	20.6	20.6	20.9	5.2	5.2	4.9	16.9	16.2	14.9	44.2	43.9	41.5	10
2.6	2.6	2.7	8.1	7.9	7.8	1.3	1.3	1.3	5.5	5.5	5.2	5.5	5.5	4.9	11
4.7	4.6	4.5	13.2	13.0	13.2	2.8	2.8	2.7	8.9	8.9	8.6	8.6	8.5	7.7	12
89.2	88.4	87.0	315.6	313.2	307.4	64.4	64.2	61.5	213.9	211.4	206.6	233.5	229.6	225.8	13
8.0	7.6	7.6	13.3	12.8	13.6	2.1	2.1	2.0	10.8	10.8	10.6	10.3	10.2	9.9	14
57.2	57.0	56.5	189.1	188.2	185.2	47.8	47.6	45.5	141.9	140.1	132.5	102.0	102.1	101.6	15
30.6	30.4	29.3	106.3	105.2	104.0	20.6	20.5	19.5	65.8	65.8	65.5	137.2	136.0	130.1	16
5.6	5.5	5.7	21.6	21.3	20.6	6.8	6.8	6.7	16.1	16.1	15.7	21.2	21.5	20.3	17
124.8	114.5	125.8	367.7	367.3	370.8	89.3	89.4	88.0	261.2	261.1	259.4	302.9	303.2	283.5	18
51.0	50.6	50.9	123.9	123.8	122.9	32.8	32.8	31.8	81.0	80.2	78.8	73.9	74.2	69.5	19
2.1	2.1	2.0	7.7	7.7	7.7	1.3	1.3	1.3	4.6	4.6	4.6	4.7	4.7	4.4	20
67.0	57.1	67.9	188.8	188.3	189.7	47.6	47.7	46.8	152.9	152.2	150.6	124.5	124.6	122.3	21
4.3	4.3	4.3	13.5	13.5	13.1	2.1	2.1	2.4	9.1	9.1	9.2	8.3	8.3	7.9	22
16.9	16.3	17.7	46.6	45.6	46.8	7.9	8.0	7.8	32.6	32.0	31.4	52.9	53.5	51.8	23
2.7	2.7	2.7	8.8	8.7	8.9	1.5	1.5	1.5	5.8	5.7	5.6	5.1	5.2	4.9	24
2.1	2.1	2.1	6.4	6.2	6.3	1.4	1.4	1.5	4.8	4.8	4.6	5.0	5.0	5.0	25
36.7	36.2	36.6	122.9	122.6	117.7	29.1	29.1	27.6	82.0	80.9	80.3	99.4	101.5	98.0	26
4.9	4.9	5.0	14.9	15.0	14.5	5.3	5.3	5.1	11.9	11.7	11.1	20.8	21.1	20.0	27
20.7	20.3	20.4	52.7	52.3	50.8	16.7	16.8	16.0	37.5	36.7	36.3	29.8	29.9	29.0	28
13.7	13.6	13.3	37.8	37.1	35.2	7.4	7.4	7.0	75.7	75.1	72.1	37.5	37.4	35.8	29
7.3	7.1	6.7	20.8	20.5	19.1	3.7	3.7	3.5	49.9	49.7	47.3	16.6	16.5	15.7	30
4.7	4.7	4.6	12.1	11.9	11.0	3.1	3.1	2.9	18.3	17.9	16.7	10.2	10.2	9.5	31
11.4	11.4	11.0	50.6	50.0	48.5	10.8	10.7	10.1	39.7	38.3	38.2	37.5	37.0	35.3	32
3.6	3.6	3.4	11.6	11.5	11.6	3.0	3.0	2.8	8.2	8.1	8.0	4.1	4.0	3.8	33
177.0	179.3	178.3	532.1	526.4	513.2	119.1	118.5	113.4	414.1	408.0	399.4	370.5	370.6	355.5	34
3.7	3.7	3.6	16.9	16.3	16.7	2.9	2.9	2.8	15.0	14.4	14.9	10.7	10.6	10.2	35
13.2	13.5	12.7	59.9	58.5	56.0	9.0	8.9	8.8	39.8	38.3	38.8	45.9	46.1	43.6	36
36.5	37.1	37.2	44.2	44.5	41.9	9.7	9.7	9.1	30.6	30.5	31.4	29.4	29.3	28.5	37
61.7	62.1	62.5	154.5	154.1	151.3	57.0	56.9	54.1	137.5	136.1	133.0	104.6	104.7	100.6	38
26.2	26.1	25.8	122.6	122.5	115.3	18.3	18.2	17.5	75.9	75.0	74.2	52.2	52.3	49.0	39
13.8	14.1	12.8	53.6	53.5	50.3	5.7	5.7	5.6	31.4	31.3	29.2	44.4	44.8	40.7	40
6.5	7.0	6.7	20.9	20.8	20.4	4.9	4.9	4.6	28.2	28.2	27.4	27.5	27.5	26.8	41
20.0	19.9	19.6	60.5	60.2	58.7	12.6	12.6	11.4	52.8	52.2	52.4	89.6	90.2	87.2	42
6.6	6.5	6.3	25.5	25.4	24.7	6.4	6.3	6.0	25.8	25.7	25.3	26.9	27.1	25.1	43
511.3	510.6	500.9	1,445.6	1,437.9	1,438.6	605.4	604.2	591.0	1,376.1	1,361.2	1,333.0	1,223.1	1,215.7	1,182.6	44
15.5	15.4	15.3	53.8	53.2	52.5	10.8	10.8	10.5	45.9	46.0	45.2	73.9	74.5	72.0	45
4.7	4.6	4.6	18.0	17.4	17.6	3.2	3.2	3.1	12.0	11.9	11.7	19.6	19.9	18.9	46
33.2	32.4	33.3	101.6	100.5	102.3	19.3	19.2	18.8	77.2	76.0	74.6	80.7	79.3	77.6	47
1.6	1.6	1.6	7.5	7.4	7.8	1.1	1.1	1.0	5.9	5.7	5.8	5.3	5.3	5.2	48
10.6	10.5	11.3	54.0	54.0	54.2	11.3	11.2	10.8	49.5	48.9	46.8	35.6	35.4	33.8	49
33.2	32.5	30.1	184.1	181.5	177.0	31.6	30.9	29.5	129.5	127.1	124.0	143.9	142.8	134.7	50
(*)	529.8	516.9	(*)	1,381.1	1,362.8	(*)	608.3	594.7	(*)	1,278.9	1,247.4	(*)	999.6	962.3	51
391.8	390.7	378.6	1,011.4	1,006.5	1,003.9	519.3	518.0	508.4	1,012.3	1,005.0	979.8	774.3	768.6	743.5	52
336.3	335.9	327.4	749.2	747.7	750.1	471.8	471.4	463.4	805.9	802.9	783.4	567.9	563.7	550.9	53
12.0	12.3	12.9	61.3	61.3	61.5	12.1	12.1	11.6	53.3	52.7	51.1	48.2	47.9	45.5	54
3.1	3.1	3.1	10.6	10.2	10.1	1.8	1.8	1.8	9.7	9.5	9.3	15.7	15.3	14.3	55
13.9	13.8	13.9	49.7	49.5	48.2	11.9	11.8	11.1	37.4	36.5	36.6	39.5	38.9	38.3	56
5.6	5.5	5.3	18.4	18.1	18.3	4.6	4.6	4.4	15.2	14.7	14.6	27.3	27.1	26.6	57
19.2	19.1	18.0	67.6	67.1	66.8	14.0	13.9	13.7	67.9	66.0	63.6	46.9	46.8	43.6	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969
1	NORTH CAROLINA	1,742.0	1,742.6	1,721.7	3.6	3.6	3.6	98.2	96.8	97.3	692.1	696.2	703.0
2	Asheville	-	-	-	-	-	-	-	-	-	19.0	19.3	20.0
3	Charlotte	177.8	177.5	175.5	(1)	(1)	(1)	11.7	11.5	12.3	41.3	41.6	42.3
4	Greensboro-Winston-Salem-High Point	258.0	258.4	255.2	(1)	(1)	(1)	14.3	13.9	13.9	108.9	109.4	111.3
5	Raleigh	-	-	-	-	-	-	-	-	-	14.2	14.3	14.0
6	NORTH DAKOTA	160.9	158.3	158.2	1.7	1.7	1.8	8.0	6.6	8.0	9.1	9.0	9.0
7	Fargo-Moorhead	42.3	41.7	40.9	(1)	(1)	(1)	2.9	2.6	2.9	2.7	2.6	2.9
8	OHIO	3,906.3	3,915.3	3,883.8	21.0	20.4	19.8	159.8	177.4	180.1	1,402.9	1,429.1	1,463.5
9	Akron	240.8	247.7	245.3	.3	.3	.3	9.3	9.1	9.5	88.2	100.3	99.8
10	Canton	136.0	135.5	136.4	.4	.4	.3	5.6	5.6	5.3	59.0	59.7	62.8
11	Cincinnati	514.6	512.0	502.4	.4	.4	.4	23.5	22.4	23.2	170.6	171.7	172.3
12	Cleveland	861.6	866.5	867.3	1.7	1.7	1.7	26.1	38.4	39.8	300.9	303.8	315.7
13	Columbus	383.4	381.0	370.9	.8	.8	.8	18.5	18.3	19.4	91.4	92.1	93.1
14	Dayton	339.1	338.6	332.5	.5	.5	.5	13.1	13.2	13.9	130.4	130.9	133.4
15	Toledo	247.2	244.3	240.6	.3	.3	.3	10.3	10.2	10.5	82.9	83.3	83.5
16	Youngstown-Warren	195.4	194.7	197.9	.3	.3	.3	9.6	10.0	9.3	84.3	84.5	91.7
17	OKLAHOMA	761.0	759.5	753.5	38.5	38.5	40.5	37.3	36.2	37.3	128.8	130.7	128.4
18	Oklahoma City	253.5	252.3	248.7	6.8	6.8	6.7	13.5	13.2	12.8	36.7	36.8	34.3
19	Tulsa	179.1	179.2	178.4	13.2	13.1	13.8	8.8	8.6	9.0	43.1	43.4	43.9
20	OREGON	696.8	695.9	700.3	1.5	1.5	1.4	26.6	26.6	33.7	165.3	166.3	175.5
21	Eugene	66.0	65.6	68.3	(1)	(1)	(1)	2.7	2.8	3.2	17.4	17.2	19.5
22	Portland	378.1	379.5	378.9	(1)	(1)	(1)	16.6	16.3	20.0	84.5	86.2	88.5
23	Salem	52.4	52.6	51.5	(1)	(1)	(1)	2.4	2.2	2.7	8.3	8.3	8.3
24	PENNSYLVANIA	4,374.8	4,370.5	4,381.3	39.8	40.1	38.7	205.0	205.0	209.0	1,523.5	1,539.6	1,578.5
25	Allentown-Bethlehem-Easton	218.7	216.8	214.6	.5	.5	.5	8.5	8.2	8.3	106.4	106.1	105.8
26	Altoona	49.3	49.0	48.2	(1)	(1)	(1)	2.0	1.7	2.0	16.4	16.7	15.8
27	Erie	99.3	98.8	97.2	(1)	(1)	(1)	4.4	4.1	4.3	43.4	43.7	43.3
28	Harrisburg	172.2	172.2	174.7	(1)	(1)	(1)	8.8	8.8	9.7	38.8	39.3	40.0
29	Johnstown	80.2	80.0	79.0	4.5	5.1	4.9	3.5	2.9	3.4	25.9	26.2	26.0
30	Lancaster	120.7	119.9	117.3	(1)	(1)	(1)	6.1	5.9	5.9	55.2	55.2	55.0
31	Philadelphia	1,813.5	1,822.3	1,815.1	1.2	1.2	1.2	81.7	89.6	88.1	556.5	562.2	580.9
32	Pittsburgh	865.5	864.8	877.1	8.8	9.1	8.6	47.3	45.0	47.2	276.4	278.9	290.0
33	Reading	124.3	124.7	124.0	(1)	(1)	(1)	4.6	4.5	4.6	58.0	58.5	59.1
34	Scranton	87.4	87.3	86.5	.5	.5	.5	2.9	2.6	2.6	33.9	34.1	34.9
35	Wilkes-Barre-Hazleton	122.6	122.7	121.9	2.3	2.1	2.4	4.7	4.7	5.3	52.0	52.5	53.4
36	York	132.1	131.7	128.5	(1)	(1)	(1)	8.1	7.8	7.8	60.8	61.2	60.2
37	RHODE ISLAND	332.2	333.5	345.6	(1)	(1)	(1)	15.7	14.6	16.3	119.1	121.3	127.7
38	Providence-Pawtucket-Warwick	344.4	346.3	357.2	(1)	(1)	(1)	16.0	14.9	16.5	135.3	138.2	144.0
39	SOUTH CAROLINA	815.9	814.9	813.1	1.7	1.7	1.7	51.8	51.0	49.6	331.6	332.5	339.2
40	Charleston	87.7	88.3	89.2	(1)	(1)	(1)	5.9	6.1	6.4	15.7	15.8	16.1
41	Columbia	107.2	107.4	105.3	(1)	(1)	(1)	7.0	7.2	7.3	19.8	19.9	19.7
42	Greenville	124.1	124.4	122.6	(1)	(1)	(1)	10.2	10.2	9.9	54.8	55.0	55.2
43	SOUTH DAKOTA	175.2	172.7	170.2	2.2	2.1	2.2	8.3	6.4	8.5	15.7	15.5	15.5
44	Sioux Falls	34.1	33.7	33.4	(1)	(1)	(1)	1.6	1.5	1.7	6.1	6.0	6.0
45	TENNESSEE	1,315.9	1,322.1	1,311.3	7.5	7.4	6.8	66.8	66.8	68.2	456.1	462.8	470.7
46	Chattanooga	124.3	124.9	127.2	.2	.2	.2	5.2	5.3	5.3	51.0	52.2	53.7
47	Knoxville	146.8	150.6	149.8	1.8	1.8	1.8	8.1	8.0	8.2	44.6	48.9	49.1
48	Memphis	266.8	266.9	270.8	.2	.2	.2	8.4	8.8	14.2	59.7	60.5	63.1
49	Nashville	220.2	220.7	216.2	(1)	(1)	(1)	13.8	13.6	14.0	62.1	62.7	61.3
50	TEXAS	3,720.9	3,719.9	3,595.7	102.5	102.7	103.9	245.1	242.9	223.0	736.7	742.4	745.6
51	Amarillo	-	-	-	-	-	-	-	-	-	7.3	7.2	6.3
52	Austin	-	-	-	-	-	-	-	-	-	11.4	11.4	10.4
53	Beaumont-Port Arthur-Orange	-	-	-	-	-	-	-	-	-	37.6	37.7	36.6
54	Corpus Christi	-	-	-	-	-	-	-	-	-	11.5	11.4	11.1

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			
May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May. 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	
91.8	91.5	89.4	308.8	308.9	306.2	69.9	69.5	66.0	204.9	204.3	199.3	272.7	271.8	256.9	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.4	18.3	18.3	46.8	46.8	45.0	12.1	12.0	12.1	26.7	26.6	25.7	20.8	20.7	19.8	3
15.7	15.8	15.3	46.3	46.4	45.3	12.2	12.3	11.8	30.4	30.4	29.7	30.2	30.2	27.9	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
11.5	11.3	12.0	43.8	43.5	42.9	7.0	6.9	6.8	29.1	29.0	28.3	50.8	50.3	49.5	6
3.2	3.2	3.2	12.5	12.4	12.2	2.3	2.3	2.2	9.0	8.9	8.3	9.7	9.7	9.2	7
230.6	212.2	220.0	782.0	774.7	756.3	157.1	155.9	149.8	577.0	570.8	546.9	575.8	574.9	547.2	8
15.1	11.0	14.6	49.1	48.9	47.8	6.8	6.8	6.6	35.1	34.7	32.7	36.8	36.7	34.1	9
7.0	6.3	6.8	26.8	26.7	25.6	4.7	4.7	4.5	19.3	19.0	18.5	13.2	13.1	12.5	10
36.5	35.6	34.7	107.6	106.9	104.0	26.1	26.0	25.3	81.7	79.9	76.9	68.3	69.1	65.6	11
54.4	47.7	51.8	183.9	182.6	179.4	42.1	41.9	40.1	140.4	137.8	133.2	112.2	112.6	105.7	12
22.2	21.3	20.5	79.1	78.3	76.9	25.8	25.6	23.5	64.6	64.0	60.7	80.9	80.5	76.1	13
12.9	12.8	12.3	61.9	61.1	59.1	10.0	9.9	9.1	50.2	49.8	46.1	60.1	60.5	58.2	14
17.6	15.2	17.0	52.6	52.3	51.6	8.1	8.1	7.8	38.9	38.7	37.0	36.4	36.1	32.9	15
10.1	9.7	9.7	37.5	37.3	35.7	5.7	5.7	5.4	26.9	26.6	25.7	21.0	20.6	20.0	16
52.4	50.7	52.9	167.9	166.3	164.5	36.6	36.6	35.5	109.1	108.2	108.0	190.4	192.3	186.4	17
16.9	15.2	17.0	56.6	56.5	55.7	15.6	15.6	15.1	37.5	37.4	36.8	69.9	70.8	70.3	18
16.7	16.7	16.2	39.3	39.5	39.6	9.5	9.5	8.9	30.2	29.8	28.8	18.3	18.6	18.2	19
48.3	48.4	49.1	160.0	158.7	157.1	35.5	35.6	34.5	111.0	110.2	107.7	148.6	148.6	141.3	20
4.1	4.1	4.2	13.1	12.9	13.5	2.9	2.9	2.9	9.7	9.7	9.3	16.1	16.0	15.7	21
29.9	30.3	30.4	92.2	91.7	91.7	24.2	24.3	23.8	68.6	68.3	64.8	62.1	62.4	59.7	22
1.8	1.8	1.8	10.8	10.6	10.5	3.0	3.2	3.1	7.9	7.8	7.6	18.2	18.7	17.5	23
272.8	268.0	268.7	814.5	811.7	816.6	190.7	189.2	183.5	694.8	684.7	672.7	633.7	632.2	613.6	24
12.1	12.0	11.9	35.9	35.3	35.2	6.8	6.7	6.4	28.1	27.6	27.2	20.4	20.4	19.3	25
7.5	7.5	7.7	8.6	8.5	8.3	1.2	1.2	1.2	7.1	7.0	7.1	6.5	6.4	6.1	26
5.1	5.3	5.3	17.5	17.4	16.8	3.7	3.6	3.4	13.6	13.2	12.8	11.6	11.5	11.3	27
13.7	13.5	13.3	32.2	32.2	33.1	8.6	8.6	8.6	25.3	25.0	26.2	44.8	44.8	43.8	28
4.9	4.8	4.7	13.7	13.6	13.4	2.2	2.2	2.1	12.8	12.5	12.3	12.7	12.7	12.2	29
5.6	5.5	5.4	22.9	22.7	21.6	2.9	2.9	2.7	17.3	16.9	16.7	10.7	10.8	10.0	30
110.4	110.2	107.4	373.9	372.5	367.5	101.4	100.8	98.2	320.3	317.6	311.2	268.1	268.2	260.6	31
57.8	58.2	59.4	171.5	171.9	173.3	38.4	37.8	36.9	159.2	158.1	155.9	106.1	105.8	105.8	32
6.5	6.4	6.5	19.6	19.6	19.3	4.8	4.8	4.7	16.8	16.8	16.5	14.0	14.1	13.3	33
5.2	5.1	5.1	17.6	17.5	17.1	2.6	2.6	2.6	14.4	14.5	14.2	10.3	10.4	9.5	34
6.9	6.8	6.7	21.7	21.6	20.7	4.1	4.1	3.9	14.9	14.9	14.4	16.0	16.0	15.1	35
6.2	6.2	5.8	24.9	24.6	23.5	2.8	2.8	2.8	15.2	15.1	14.9	14.1	14.0	13.5	36
15.4	15.3	15.2	61.0	61.1	65.2	15.0	15.0	15.1	53.5	53.7	53.6	52.6	52.5	52.5	37
15.0	14.9	14.8	61.4	61.6	65.6	15.0	15.0	15.1	52.4	52.5	52.4	49.3	49.2	48.8	38
36.6	36.4	35.2	135.8	135.0	134.7	29.1	29.1	28.1	82.6	82.3	83.3	146.7	146.9	141.3	39
5.3	5.3	5.6	16.9	17.0	16.9	3.5	3.5	3.5	10.5	10.5	10.1	29.9	30.1	30.6	40
7.0	7.0	6.8	22.4	22.5	22.0	6.6	6.6	6.3	14.1	14.1	13.9	30.3	30.1	29.3	41
4.8	4.7	4.6	21.4	21.5	20.9	4.8	4.8	4.6	12.7	12.7	13.0	15.4	15.5	14.4	42
9.8	9.8	10.3	46.3	45.5	44.6	7.4	7.3	7.2	31.3	30.9	30.0	54.2	55.2	51.9	43
3.4	3.4	2.9	10.0	9.9	9.9	2.0	2.0	2.0	6.4	6.3	6.6	4.5	4.5	4.4	44
66.0	66.1	64.9	260.6	260.4	253.8	57.3	57.3	56.4	177.9	177.1	175.8	223.7	224.2	214.7	45
6.2	6.3	6.4	22.6	22.6	23.2	7.3	7.4	7.0	16.0	15.7	15.5	15.8	15.2	15.9	46
6.9	6.8	6.6	32.0	31.9	31.4	4.8	4.8	4.9	19.9	19.8	19.5	28.7	28.6	28.3	47
19.9	19.2	19.8	68.6	68.0	67.5	14.8	14.7	14.5	45.8	45.7	43.9	49.4	49.8	47.6	48
13.1	13.0	13.1	46.9	47.0	46.5	14.2	14.2	13.1	36.5	36.6	35.5	33.6	33.6	32.7	49
266.8	267.5	254.2	883.4	882.3	843.1	193.4	192.0	182.9	618.0	610.3	583.3	675.0	679.8	659.7	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		
		May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969
1	TEXAS (continued)												
2	Dallas	668.8	669.0	641.9	7.6	7.6	7.7	39.9	40.2	39.0	162.1	164.3	170.3
3	El Paso	-	-	-	-	-	-	-	-	-	23.7	23.6	22.8
4	Fort Worth	268.0	267.2	264.4	1.8	1.8	1.8	11.3	11.1	12.7	91.6	91.9	92.8
5	Galveston-Texas City	-	-	-	-	-	-	-	-	-	12.0	12.0	11.1
6	Houston	781.2	777.5	726.7	30.3	30.2	28.0	77.2	75.4	61.1	144.2	144.6	141.1
7	Lubbock	-	-	-	-	-	-	-	-	-	6.7	6.9	7.0
8	San Antonio	260.2	260.8	258.6	1.4	1.4	1.4	14.8	15.2	15.7	33.3	33.7	33.3
9	Waco	-	-	-	-	-	-	-	-	-	(*)	11.9	13.5
10	Wichita Falls	-	-	-	-	-	-	-	-	-	4.4	4.3	4.5
11	UTAH	358.0	354.2	349.7	12.8	12.6	12.2	15.3	14.0	14.5	52.8	52.2	53.4
12	Salt Lake City	187.2	184.9	183.4	7.5	7.5	7.4	8.4	7.7	8.1	28.5	28.5	28.8
13	VERMONT	144.5	146.8	143.2	1.0	1.0	1.0	10.6	9.4	9.8	40.0	42.8	43.8
14	Burlington ¹⁰	38.0	37.7	36.5	-	-	-	-	-	-	10.9	10.9	10.9
15	Springfield ¹⁰	12.6	13.3	13.3	-	-	-	-	-	-	5.9	6.5	6.8
16	VIRGINIA	1,450.3	1,446.8	1,429.0	15.3	15.2	14.0	95.3	94.1	95.9	359.3	360.8	366.9
17	Lynchburg	53.3	52.8	50.2	(1)	(1)	(1)	3.0	3.0	2.6	24.5	24.5	23.5
18	Newport News-Hampton	97.2	96.6	95.5	(1)	(1)	(1)	5.4	5.2	5.2	25.6	25.7	26.9
19	Norfolk-Portsmouth	199.1	197.7	197.9	(1)	(1)	(1)	13.5	13.2	13.1	19.9	19.5	20.0
20	Northern Virginia ¹¹	255.2	253.6	249.2	.3	.3	.4	21.5	21.1	21.8	9.1	9.1	9.4
21	Richmond	235.6	235.6	229.7	.2	.2	.2	15.2	15.1	15.4	50.7	51.3	51.5
22	Roanoke	82.5	81.6	79.8	.1	.1	.1	5.0	4.7	5.2	19.6	19.6	18.9
23	WASHINGTON	1,097.9	1,096.3	1,128.7	1.8	1.8	1.7	55.1	54.5	60.1	241.4	242.0	282.7
24	Seattle-Everett	537.3	538.1	565.5	(1)	(1)	(1)	27.3	27.5	31.1	131.0	133.3	164.3
25	Spokane	89.1	88.7	88.7	(1)	(1)	(1)	4.7	4.4	4.7	12.3	12.4	13.6
26	Tacoma	107.7	107.6	108.5	(1)	(1)	(1)	5.0	5.1	6.3	19.0	19.0	20.7
27	WEST VIRGINIA	511.2	507.3	515.4	48.5	48.4	47.1	20.6	17.6	26.7	127.5	127.9	131.7
28	Charleston	81.0	80.3	83.4	3.9	3.9	3.5	3.1	2.6	4.3	17.1	17.0	18.6
29	Huntington-Ashland	81.5	80.8	81.1	.5	.5	.5	3.2	2.5	3.6	26.5	26.6	26.1
30	Wheeling	57.8	56.8	56.8	5.0	4.9	4.1	2.7	1.8	3.6	15.7	15.8	15.5
31	WISCONSIN	1,526.5	1,516.4	1,509.1	2.7	2.5	2.7	60.6	56.9	67.2	487.8	492.0	507.5
32	Green Bay	54.2	53.9	52.4	(1)	(1)	(1)	2.2	2.1	2.7	16.3	16.4	15.7
33	Kenosha	35.3	35.0	33.6	(1)	(1)	(1)	1.2	1.2	1.3	16.2	16.4	15.4
34	La Crosse	29.5	29.6	29.7	(1)	(1)	(1)	1.2	1.2	1.3	8.2	8.4	8.7
35	Madison	122.8	121.7	119.2	(1)	(1)	(1)	6.1	5.5	6.6	15.8	15.8	16.5
36	Milwaukee	563.8	562.0	568.2	(1)	(1)	(1)	21.5	20.6	24.9	197.6	199.8	211.4
37	Racine	54.8	55.3	55.4	(1)	(1)	(1)	1.6	1.6	1.8	24.7	25.1	25.8
38	WYOMING	106.6	104.5	106.9	11.4	10.9	11.5	5.8	5.2	7.3	6.6	6.7	6.7
39	Casper	19.7	18.8	20.1	4.7	4.0	4.1	1.2	1.1	1.5	1.3	1.3	1.3
40	Cheyenne	17.1	16.9	18.4	(1)	(1)	(1)	.8	.7	1.0	1.1	1.2	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
4a included in data for the District of Columbia.
4 Area included in Chicago-Northwestern Indiana Standard Consolidated Area.
5 Revised to 1969 benchmark; not strictly comparable with previously published data.
6 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
7 Area included in New York-Northeastern New Jersey Standard Consolidated Area.
8 Subarea of Rochester Standard Metropolitan Statistical Area.
9 Subarea of New York Standard Metropolitan Statistical Area.
10 Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
11 Subarea of Washington, D. C. Standard Metropolitan Statistical Area.

* Not available.
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			
May 1970	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	
53.8	53.2	50.6	177.8	177.1	164.0	55.6	55.4	51.3	102.5	101.9	94.3	69.5	69.4	64.6	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
15.5	15.3	15.2	62.4	61.3	59.4	12.0	12.1	11.2	38.7	38.7	37.8	34.7	35.0	33.5	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
67.2	67.2	64.5	188.1	187.1	175.9	40.5	40.4	37.6	142.6	141.6	132.9	91.1	91.0	85.6	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.0	11.0	11.3	63.4	63.2	61.7	16.2	16.1	16.5	46.8	45.2	44.0	75.3	75.0	74.7	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.1	22.8	22.9	77.9	76.5	77.7	15.0	14.9	14.0	58.2	57.1	54.7	102.9	104.1	100.4	10
15.1	14.9	15.1	49.2	48.7	49.0	10.9	10.9	10.6	31.2	30.6	30.0	36.3	36.2	34.3	11
8.0	7.9	7.7	28.0	27.6	27.0	5.5	5.4	5.2	26.0	26.7	24.7	25.6	26.2	24.2	12
1.9	1.9	1.8	7.6	7.5	7.3	-	-	-	6.9	6.7	6.7	-	-	-	13
.9	.9	.9	1.9	1.9	1.8	-	-	-	1.6	1.7	1.5	-	-	-	14
97.4	97.4	95.0	299.9	298.9	290.1	69.2	68.4	64.6	210.4	209.7	208.1	303.5	302.3	294.4	15
2.5	2.4	2.3	9.0	8.8	8.2	2.0	2.0	1.9	6.6	6.5	6.3	5.7	5.6	5.4	16
4.4	4.3	4.2	17.2	17.1	15.7	3.0	3.0	2.8	12.9	12.8	11.8	28.7	28.6	28.9	17
16.4	16.5	16.5	48.7	48.3	47.3	9.2	9.2	9.0	30.1	29.7	29.6	61.3	61.3	62.4	18
19.7	19.6	19.1	60.7	60.2	57.4	16.1	15.8	14.6	44.9	44.8	44.5	82.9	82.7	82.0	19
18.0	18.0	17.6	53.9	53.6	51.3	18.2	18.1	17.8	34.8	34.8	33.7	44.6	44.5	42.2	20
11.2	11.1	10.7	19.2	19.1	18.2	4.3	4.2	4.0	12.8	12.5	12.8	10.3	10.3	9.9	21
73.0	72.9	73.6	246.3	243.5	244.4	59.5	59.5	58.4	173.8	173.5	168.1	247.0	248.6	239.7	22
40.0	40.0	40.3	122.9	122.4	122.0	36.2	36.2	35.5	85.0	84.8	82.4	94.9	93.9	89.9	23
7.2	7.1	7.5	23.0	22.8	22.9	5.2	5.2	4.9	18.8	18.7	18.0	17.9	18.1	17.1	24
7.0	6.9	6.7	24.2	24.2	23.8	6.3	6.3	6.0	19.2	19.2	18.2	27.0	26.9	26.8	25
41.7	41.0	41.0	93.7	92.9	93.3	15.4	15.3	15.2	65.6	65.2	65.2	98.2	98.8	95.2	26
8.9	8.7	9.0	18.7	18.7	18.7	4.1	4.0	3.8	11.6	11.6	11.7	13.6	13.9	13.6	27
8.2	8.1	8.1	17.8	17.7	17.6	2.9	2.8	2.8	10.1	10.1	10.3	12.4	12.5	12.1	28
3.7	3.7	3.6	12.7	12.6	12.6	2.1	2.1	2.1	9.0	8.9	8.7	6.8	6.9	6.6	29
80.5	78.4	80.0	338.2	333.0	321.1	61.7	61.4	58.3	226.0	223.8	217.1	269.0	268.4	255.2	30
4.6	4.4	4.4	14.2	14.1	13.6	1.5	1.5	1.4	8.3	8.3	8.0	7.2	7.1	6.7	31
1.4	1.3	1.3	6.2	6.0	6.0	.8	.8	.7	4.7	4.7	4.6	4.8	4.7	4.2	32
2.1	1.9	2.2	7.3	7.1	7.1	.6	.6	.6	5.6	5.6	5.4	4.5	4.6	4.4	33
5.8	5.7	5.3	25.0	24.6	23.5	6.5	6.5	6.0	18.1	17.7	16.9	45.6	46.0	44.5	34
31.2	30.3	30.9	124.9	123.8	119.0	28.9	28.8	27.7	86.7	86.2	84.0	73.0	72.5	70.3	35
2.1	2.1	2.2	9.9	9.8	9.7	1.4	1.4	1.4	7.8	7.9	7.5	7.3	7.5	6.9	36
10.9	10.7	10.8	24.2	23.9	23.2	3.8	3.7	3.6	15.8	14.6	14.7	28.1	28.8	29.1	37
1.3	1.3	1.6	4.5	4.4	4.5	.9	.9	.9	2.0	1.9	2.4	3.8	3.9	3.8	38
2.3	2.3	2.5	3.9	3.9	3.9	1.0	1.0	1.0	2.4	2.2	3.3	5.6	5.6	5.7	39

Advertisement on page 64 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.....	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: June.....	115.22	37.9	3.04	150.59	42.3	3.56	180.48	38.4	4.70	130.06	40.9	3.18
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 P.....	118.40	37.0	3.20	161.83	42.7	3.79	194.31	38.1	5.10	132.93	39.8	3.34
June P.....	120.05	37.4	3.21	162.78	42.5	3.83	197.12	38.5	5.12	134.40	40.0	3.36

Year and month	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services		
	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
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	1.100	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.....	-	-	-	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: June.....	147.33	40.7	3.62	91.55	35.9	2.55	108.70	37.1	2.93	90.83	34.8	2.61
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 P.....	151.96	40.2	3.78	94.50	35.0	2.70	111.57	36.7	3.04	96.10	34.2	2.81
June P.....	153.90	40.5	3.80	96.39	35.7	2.70	111.50	36.8	3.03	96.95	34.5	2.81

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

²Data include Alaska and Hawaii beginning 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				
		June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969	June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969
-	TOTAL PRIVATE	\$120.05	\$118.40	\$117.34	\$115.22	\$113.55	\$3.21	\$3.20	\$3.18	\$3.04	\$3.02
-	MINING	162.78	161.83	163.35	150.59	155.37	3.83	3.79	3.79	3.56	3.58
10	METAL MINING	-	166.32	165.12	157.25	157.83	-	3.85	3.84	3.64	3.62
101	Iron ores	-	163.54	160.44	151.37	151.42	-	3.83	3.82	3.63	3.64
102	Copper ores	-	175.62	177.75	171.77	172.28	-	3.92	3.95	3.71	3.65
11.12	COAL MINING	-	176.57	183.64	144.02	168.05	-	4.47	4.49	4.08	4.17
12	Bituminous coal and lignite mining	-	178.60	186.18	145.85	169.68	-	4.51	4.53	4.12	4.20
13	OIL AND GAS EXTRACTION	-	152.93	153.39	151.70	149.02	-	3.54	3.51	3.44	3.41
131.2	Crude petroleum and natural gas fields	-	152.71	153.06	148.06	145.60	-	3.78	3.77	3.62	3.56
138	Oil and gas field services	-	153.34	153.77	153.85	151.39	-	3.40	3.35	3.33	3.32
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	156.18	153.56	152.06	150.80	-	3.44	3.42	3.27	3.25
142	Crushed and broken stone	-	157.25	155.64	156.01	153.76	-	3.36	3.34	3.23	3.21
-	CONTRACT CONSTRUCTION	197.12	194.31	192.91	180.48	180.30	5.12	5.10	5.09	4.70	4.72
15	GENERAL BUILDING CONTRACTORS	-	182.90	180.81	161.70	166.53	-	4.93	4.90	4.43	4.55
16	HEAVY CONSTRUCTION CONTRACTORS	-	195.57	192.10	187.03	185.29	-	4.69	4.64	4.38	4.37
161	Highway and street construction	-	180.09	172.16	179.31	178.07	-	4.35	4.23	4.17	4.18
162	Heavy construction, n.e.c.	-	209.16	207.41	193.77	191.56	-	4.98	4.95	4.57	4.55
17	SPECIAL TRADE CONTRACTORS	-	200.91	200.17	187.88	186.50	-	5.43	5.41	5.01	5.00
171	Plumbing, heating, air conditioning	-	211.25	212.74	200.97	200.07	-	5.53	5.54	5.14	5.13
172	Painting, paper hanging, decorating	-	180.54	177.79	167.19	167.54	-	5.10	4.98	4.67	4.68
173	Electrical work	-	234.83	235.20	224.62	222.46	-	5.93	5.88	5.56	5.52
174	Masonry, stonework, and plastering	-	180.23	176.10	170.10	165.87	-	5.27	5.21	4.86	4.85
176	Roofing and sheetmetal work	-	164.30	164.50	155.67	152.15	-	4.79	4.81	4.41	4.41
-	MANUFACTURING	134.40	132.93	131.80	130.06	128.61	3.36	3.34	3.32	3.18	3.16
19,24,25, 32-39	DURABLE GOODS	145.35	143.42	141.50	139.86	138.69	3.58	3.55	3.52	3.37	3.35
20-23,26-31	NONDURABLE GOODS	119.95	118.95	118.56	115.31	114.34	3.06	3.05	3.04	2.89	2.88
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	146.42	146.47	146.06	139.94	137.70	3.58	3.59	3.58	3.43	3.40
192	Ammunition, except for small arms	(*)	141.50	140.75	135.20	133.33	(*)	3.52	3.51	3.38	3.35
1925	Complete guided missiles	-	173.05	175.55	166.69	164.19	-	4.13	4.16	3.95	3.90
1929	Ammunition, exc. for small arms, nec	-	123.87	122.85	120.51	117.73	-	3.16	3.15	3.09	3.05
24	LUMBER AND WOOD PRODUCTS	119.50	117.38	114.62	110.43	109.48	2.98	2.92	2.88	2.72	2.69
242	Sawmills and planing mills	(*)	113.93	110.52	106.23	104.90	(*)	2.82	2.77	2.61	2.59
2421	Sawmills and planing mills, general	-	117.45	114.00	109.21	108.14	-	2.90	2.85	2.69	2.67
243	Millwork, plywood & related products	124.71	124.62	122.09	117.10	116.57	3.11	3.10	3.06	2.87	2.85
2431	Millwork	-	119.95	117.78	114.69	112.58	-	3.06	3.02	2.86	2.85
2432	Veneer and plywood	-	127.10	124.64	117.01	117.46	-	3.07	3.04	2.84	2.81
244	Wooden containers	91.25	91.72	91.72	92.43	90.90	2.37	2.37	2.37	2.26	2.25
2441.2	Wooden boxes, shooks, and crates	-	89.32	89.17	91.02	89.32	-	2.32	2.31	2.22	2.20
249	Miscellaneous wood products	104.49	104.34	102.26	99.87	99.53	2.58	2.57	2.55	2.43	2.41
25	FURNITURE AND FIXTURES	106.70	105.49	105.65	106.90	105.04	2.75	2.74	2.73	2.62	2.60
251	Household furniture	99.59	98.56	98.69	100.04	98.65	2.58	2.58	2.57	2.47	2.46
2511	Wood household furniture	-	94.28	95.11	95.82	94.30	-	2.43	2.42	2.32	2.30
2512	Upholstered household furniture	-	102.21	103.42	106.40	103.09	-	2.77	2.78	2.66	2.65
2515	Mattresses and bedspreads	-	108.30	108.11	106.38	105.18	-	2.85	2.83	2.70	2.69
252	Office furniture	-	123.24	123.29	125.97	125.67	-	3.12	3.09	2.95	2.95
254	Partitions and fixtures	-	132.66	130.81	134.50	131.11	-	3.35	3.32	3.21	3.19
253.9	Other furniture and fixtures	115.33	113.68	114.17	114.05	109.73	2.98	2.93	2.92	2.83	2.75
32	STONE, CLAY, AND GLASS PRODUCTS	141.36	139.86	139.03	134.51	134.41	3.39	3.37	3.35	3.18	3.17
321	Flat glass	-	178.92	179.35	177.12	178.85	-	4.26	4.25	4.10	4.14
322	Glass and glassware, pressed or blown	138.45	139.32	140.88	132.36	132.68	3.41	3.44	3.47	3.26	3.26
3221	Glass containers	-	146.20	147.55	137.09	139.26	-	3.54	3.59	3.36	3.38
3229	Pressed and blown glass, n.e.c.	-	128.90	131.60	125.64	124.31	-	3.28	2.29	3.11	3.10
324	Cement, hydraulic	174.72	178.51	167.23	152.64	148.10	4.21	4.22	4.02	3.60	3.56
325	Structural clay products	115.46	115.43	113.65	110.56	110.16	2.83	2.85	2.82	2.69	2.70
3251	Brick and structural clay tile	-	109.75	108.40	106.17	106.08	-	2.69	2.67	2.54	2.55
326	Pottery and related products	-	114.98	114.43	113.76	115.09	-	3.01	2.98	2.88	2.87
327	Concrete, gypsum, and plaster products	148.68	146.69	145.15	144.90	144.58	3.41	3.38	3.36	3.22	3.22
328.9	Other stone and nonmetallic mineral products	(*)	137.42	137.53	133.34	133.46	(*)	3.36	3.33	3.19	3.17
3291	Abrasive products	-	133.94	133.77	131.08	132.80	-	3.47	3.43	3.31	3.32

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				
		June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969	June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969
-	TOTAL PRIVATE	37.4	37.0	36.9	37.9	37.6	-	-	-	-	-
-	MINING	42.5	42.7	43.1	42.3	43.4	-	-	-	-	-
10	METAL MINING	-	43.2	43.0	43.2	43.6	-	-	-	-	-
101	Iron ores	-	42.7	42.0	41.7	41.6	-	-	-	-	-
102	Copper ores	-	44.8	45.0	46.3	47.2	-	-	-	-	-
11,12	COAL MINING	-	39.5	40.9	35.3	40.3	-	-	-	-	-
12	Bituminous coal and lignite mining	-	39.6	41.1	35.4	40.4	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	43.2	43.7	44.1	43.7	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	40.4	40.6	40.9	40.9	-	-	-	-	-
138	Oil and gas field services	-	45.1	45.9	46.2	45.6	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	45.4	44.9	46.5	46.4	-	-	-	-	-
142	Crushed and broken stone	-	46.8	46.6	48.3	47.9	-	-	-	-	-
-	CONTRACT CONSTRUCTION	38.5	38.1	37.9	38.4	38.2	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	-	37.1	36.9	36.5	36.6	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	-	41.7	41.4	42.7	42.4	-	-	-	-	-
161	Highway and street construction	-	41.4	40.7	43.0	42.6	-	-	-	-	-
162	Heavy construction, n e c	-	42.0	41.9	42.4	42.1	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	37.0	37.0	37.5	37.3	-	-	-	-	-
171	Plumbing, heating, air conditioning	-	38.2	38.4	39.1	39.0	-	-	-	-	-
172	Painting, paper hanging, decorating	-	35.4	35.7	35.8	35.8	-	-	-	-	-
173	Electrical work	-	39.6	40.0	40.4	40.3	-	-	-	-	-
174	Masonry, stonework, and plastering	-	34.2	33.8	35.0	34.2	-	-	-	-	-
176	Roofing and sheet metal work	-	34.3	34.2	35.3	34.5	-	-	-	-	-
-	MANUFACTURING	40.0	39.8	39.7	40.9	40.7	3.0	2.9	2.8	3.7	3.6
19,24,25,32-39	DURABLE GOODS	40.6	40.4	40.2	41.5	41.4	3.1	3.0	2.8	3.9	3.7
20-23,26-31	NONDURABLE GOODS	39.2	39.0	39.0	39.9	39.7	3.0	2.9	2.8	3.4	3.3
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	40.9	40.8	40.8	40.8	40.5	-	2.3	2.2	2.6	2.5
192	Ammunition, except for small arms	(*)	40.2	40.1	40.0	39.8	-	1.7	1.8	2.2	2.0
1925	Complete guided missiles	-	41.9	42.2	42.2	42.1	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec	-	39.2	39.0	39.0	38.6	-	-	-	-	-
24	LUMBER AND WOOD PRODUCTS	40.1	40.2	39.8	40.6	40.7	-	3.7	3.6	4.1	4.1
242	Sawmills and planing mills	(*)	40.4	39.9	40.7	40.5	-	4.2	4.0	4.2	4.2
2421	Sawmills and planing mills, general	-	40.5	40.0	40.6	40.5	-	-	-	-	-
243	Millwork, plywood & related products	40.1	40.2	39.9	40.8	40.9	-	3.4	3.2	3.5	3.8
2431	Millwork	-	39.2	39.0	40.1	39.5	-	-	-	-	-
2432	Veneer and plywood	-	41.4	41.0	41.2	41.8	-	-	-	-	-
244	Wooden containers	38.5	38.7	38.7	40.9	40.4	-	2.8	2.8	4.4	3.8
2441,2	Wooden boxes, shooks, and crates	-	38.5	38.6	41.0	40.6	-	-	-	-	-
249	Miscellaneous wood products	40.5	40.6	40.1	41.1	41.3	-	3.4	3.2	4.3	4.2
25	FURNITURE AND FIXTURES	38.8	38.5	38.7	40.8	40.4	-	2.0	2.0	3.4	3.3
251	Household furniture	38.6	38.2	38.4	40.5	40.1	-	1.8	1.9	3.2	3.0
2511	Wood household furniture	-	38.8	39.3	41.3	41.0	-	-	-	-	-
2512	Upholstered household furniture	-	36.9	37.2	40.0	38.9	-	-	-	-	-
2515	Mattresses and bedsprings	-	38.0	38.2	39.4	39.1	-	-	-	-	-
252	Office furniture	-	39.5	39.9	42.7	42.6	-	2.8	2.9	4.9	5.0
254	Partitions and fixtures	-	39.6	39.4	41.9	41.1	-	2.4	2.3	4.4	3.9
253,9	Other furniture and fixtures	38.7	38.8	39.1	40.3	39.9	-	2.2	1.9	3.2	2.9
32	STONE, CLAY, AND GLASS PRODUCTS	41.7	41.5	41.5	42.3	42.4	-	4.4	4.3	5.0	4.9
321	Flat glass	-	42.0	42.2	43.2	43.2	-	4.1	4.1	3.9	4.3
322	Glass and glassware, pressed or blown	40.6	40.5	40.6	40.6	40.7	-	4.1	4.3	4.4	4.4
3221	Glass containers	-	41.3	41.1	40.8	41.2	-	-	-	-	-
3229	Pressed and blown glass, n e c	-	39.3	40.0	40.4	40.1	-	-	-	-	-
324	Cement, hydraulic	41.5	42.3	41.6	42.4	41.6	-	3.3	3.0	3.0	2.9
325	Structural clay products	40.8	40.5	40.3	41.1	40.8	-	3.6	3.5	4.1	4.2
3251	Brick and structural clay tile	-	40.8	40.6	41.8	41.6	-	-	-	-	-
326	Pottery and related products	-	38.2	38.4	39.5	40.1	-	1.8	1.9	2.6	2.7
327	Concrete, gypsum and plaster products	43.6	43.4	43.2	45.0	44.9	-	6.3	6.0	7.2	7.1
328,9	Other stone and nonmetallic mineral products	(*)	40.9	41.3	41.8	42.1	-	3.7	3.5	4.3	4.3
3291	Abrasive products	-	38.6	39.0	39.6	40.0	-	-	-	-	-

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				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
<i>Durable Goods--Continued</i>											
33	PRIMARY METAL INDUSTRIES	\$156.81	\$157.56	\$156.35	\$158.34	\$157.13	\$3.93	\$3.90	\$3.87	\$3.77	\$3.75
331	Blast furnace and basic steel products ..	(*)	163.58	161.99	165.57	164.76	(*)	4.11	4.07	3.98	3.97
3312	Blast furnaces and steel mills	-	165.55	164.37	167.26	166.85	-	4.17	4.13	4.04	4.04
332	Iron and steel foundries	(*)	151.78	148.64	148.61	148.26	(*)	3.72	3.67	3.53	3.53
3321	Gray iron foundries	-	150.63	146.29	149.10	148.75	-	3.71	3.63	3.55	3.55
3322	Malleable iron foundries	-	166.80	164.27	148.47	148.06	-	4.17	4.18	3.63	3.62
3323	Steel foundries	-	150.90	149.04	148.17	147.74	-	3.61	3.60	3.47	3.46
333,4	Nonferrous metals	(*)	156.29	155.50	153.85	149.10	(*)	3.73	3.72	3.62	3.55
3334	Primary aluminum	-	166.04	164.40	167.66	161.82	-	4.04	4.00	4.04	3.89
335	Nonferrous rolling and drawing	152.67	151.11	152.21	154.94	152.50	3.67	3.65	3.65	3.57	3.53
3351	Copper rolling and drawing	-	151.66	151.25	161.64	159.48	-	3.69	3.68	3.60	3.60
3352	Aluminum rolling and drawing	-	152.40	154.29	157.93	153.58	-	3.69	3.70	3.69	3.58
3357	Nonferrous wire drawing and insulating ..	-	150.12	151.56	149.99	148.52	-	3.60	3.60	3.48	3.47
336	Nonferrous foundries	138.75	139.60	137.07	138.20	136.62	3.46	3.49	3.47	3.33	3.30
3361	Aluminum castings	-	140.85	137.98	141.17	139.67	-	3.53	3.52	3.41	3.39
3362,9	Other nonferrous castings	-	138.29	136.06	134.78	132.39	-	3.44	3.41	3.24	3.19
339	Miscellaneous primary metal products ..	(*)	168.92	164.02	168.33	167.93	(*)	4.13	4.06	3.97	3.97
3391	Iron and steel forgings	-	174.15	170.02	175.55	174.71	-	4.30	4.24	4.15	4.14
34	FABRICATED METAL PRODUCTS	145.14	143.26	142.10	139.86	138.44	3.54	3.52	3.50	3.33	3.32
341	Metal cans	179.82	176.04	169.92	167.04	169.02	4.05	4.01	3.97	3.84	3.85
342	Cutlery, hand tools, and hardware	132.87	132.53	133.72	130.15	130.33	3.33	3.33	3.31	3.19	3.21
3421,3,5	Cutlery and hand tools, incl. saws	-	129.10	130.98	127.00	129.07	-	3.26	3.25	3.09	3.11
3429	Hardware, n e c	-	135.60	136.08	132.36	131.53	-	3.39	3.36	3.26	3.28
343	Plumbing and heating, except electric ..	128.84	127.40	124.23	129.27	126.17	3.27	3.25	3.21	3.13	3.10
3431,2	Sanitary ware & plumbers' brass goods ..	-	129.42	126.16	131.56	129.90	-	3.31	3.26	3.17	3.13
3433	Heating equipment, except electric	-	125.76	122.36	127.31	122.80	-	3.20	3.17	3.09	3.07
344	Fabricated structural metal products	142.04	141.75	141.35	136.27	135.29	3.49	3.50	3.49	3.26	3.26
3441	Fabricated structural steel	-	143.03	141.86	135.53	133.16	-	3.48	3.46	3.25	3.24
3442	Metal floors, sash, and trim	-	118.69	117.26	115.90	114.49	-	3.02	3.03	2.82	2.82
3443	Fabricated plate work (boiler shops) ..	-	150.88	151.57	145.67	146.28	-	3.68	3.67	3.46	3.45
3444	Sheet metal work	-	148.74	147.23	145.46	142.96	-	3.70	3.69	3.48	3.47
3446,9	Architectural and misc. metal work	-	135.07	135.68	131.75	131.99	-	3.36	3.35	3.10	3.15
345	Screw machine products, bolts, etc.	142.74	139.09	140.70	146.50	145.73	3.49	3.46	3.44	3.36	3.35
3451	Screw machine products	-	137.14	139.67	140.61	139.96	-	3.42	3.39	3.27	3.27
3452	Bolts, nuts, rivets, and washers	-	140.30	141.69	152.05	151.16	-	3.49	3.49	3.44	3.42
346	Metal stampings	167.81	164.55	160.51	158.36	152.04	3.93	3.89	3.84	3.70	3.62
347	Metal services, n e c	125.14	123.17	123.64	121.95	122.07	3.16	3.15	3.13	2.96	2.97
348	Misc. fabricated wire products	126.80	125.93	124.66	123.52	123.11	3.17	3.18	3.14	3.02	3.01
349	Misc. fabricated metal products	140.42	138.98	138.17	135.34	133.86	3.45	3.44	3.42	3.23	3.21
3494,8	Valves, pipe, and pipe fittings	-	142.56	142.51	137.99	136.83	-	3.52	3.51	3.27	3.25
35	MACHINERY, EXCEPT ELECTRICAL	154.95	154.54	155.25	152.08	151.66	3.77	3.76	3.75	3.57	3.56
351	Engines and turbines	(*)	171.81	172.22	159.03	160.61	(*)	4.16	4.16	3.86	3.87
3511	Steam engines and turbines	-	181.40	184.31	159.12	163.07	-	4.35	4.42	3.90	3.92
3519	Internal combustion engines, n e c	-	166.87	166.85	158.98	159.78	-	4.06	4.04	3.84	3.85
352	Farm machinery	-	143.11	147.17	139.55	138.85	-	3.66	3.67	3.48	3.48
353	Construction and related machinery	153.68	151.40	153.59	151.01	150.15	3.73	3.72	3.71	3.52	3.50
3531,2	Construction and mining machinery	-	157.03	161.32	154.57	152.64	-	3.83	3.85	3.62	3.60
3533	Oil field machinery	-	147.20	146.51	140.71	143.12	-	3.53	3.48	3.28	3.29
3535,6	Conveyors, hoists, cranes, monorails ..	-	145.67	145.84	154.00	150.77	-	3.66	3.61	3.50	3.45
3537	Industrial trucks and tractors	-	129.31	130.42	145.58	146.16	-	3.43	3.37	3.37	3.36
354	Metal working machinery	(*)	178.05	180.94	172.33	171.83	(*)	4.16	4.15	3.89	3.87
3541	Machine tools, metal cutting types	-	168.42	168.80	167.64	167.20	-	4.01	4.00	3.81	3.80
3544	Special dies, tools, jigs & fixtures	-	206.57	210.66	193.58	190.99	-	4.54	4.54	4.19	4.17
3545	Machine tool accessories	-	153.54	156.18	151.01	152.72	-	3.81	3.80	3.57	3.56
3542,8	Misc. metal working machinery	-	151.88	155.54	153.65	156.24	-	3.75	3.73	3.59	3.60
355	Special industry machinery	145.02	144.61	146.23	143.62	142.86	3.52	3.51	3.49	3.34	3.33
3551	Food products machinery	-	151.37	154.70	149.18	149.88	-	3.63	3.64	3.51	3.51
3552	Textile machinery	-	123.83	123.52	120.84	119.57	-	3.05	3.02	2.83	2.82
3555	Printing trades machinery	-	152.18	149.37	155.59	153.87	-	3.73	3.67	3.61	3.57
356	General industrial machinery	(*)	148.80	151.00	150.17	150.17	(*)	3.72	3.71	3.55	3.55
3561	Pumps and compressors	-	151.16	151.06	144.90	143.72	-	3.66	3.64	3.45	3.43
3562	Ball and roller bearings	-	144.40	147.04	154.45	154.40	-	3.80	3.78	3.66	3.65
3564	Blowers and fans	-	138.58	138.92	137.34	140.25	-	3.38	3.38	3.27	3.30
3566	Power transmission equipment	-	151.78	154.24	152.85	152.93	-	3.72	3.69	3.53	3.54
357	Office and computing machines	(*)	150.14	148.56	151.68	151.62	(*)	3.68	3.65	3.62	3.61
3573	Electronic computing equipment	-	152.35	151.57	151.62	150.65	-	3.68	3.67	3.61	3.57
358	Service industry machines	(*)	135.88	125.12	133.63	131.93	(*)	3.38	3.31	3.22	3.21
3585	Refrigeration machinery	-	137.48	123.54	136.69	135.29	-	3.42	3.33	3.27	3.26
359	Misc. machinery, except electrical	151.89	152.21	152.46	147.49	147.74	3.66	3.65	3.63	3.43	3.42

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				
		June 1970 ^p	May 1970 ^p	Apr. 1970	June 1969	May 1969	June 1970 ^p	May 1970 ^p	Apr. 1970	June 1969	May 1969
<i>Durable Goods--Continued</i>											
33	PRIMARY METAL INDUSTRIES	39.9	40.4	40.4	42.0	41.9	-	3.1	2.9	4.2	4.1
331	Blast furnace and basic steel products . . .	(*)	39.8	39.8	41.6	41.5	-	2.3	2.2	3.3	3.3
3312	Blast furnaces and steel mills	-	39.7	39.8	41.4	41.3	-	-	-	-	-
332	Iron and steel foundries	(*)	40.8	40.5	42.1	42.0	-	4.2	3.7	4.7	4.8
3321	Gray iron foundries	-	40.6	40.3	42.0	41.9	-	-	-	-	-
3322	Malleable iron foundries	-	40.0	39.3	40.9	40.9	-	-	-	-	-
3323	Steel foundries	-	41.8	41.4	42.7	42.7	-	-	-	-	-
333,4	Nonferrous metals	(*)	41.9	41.8	42.5	42.0	-	4.5	4.3	4.7	4.4
3334	Primary aluminum	-	41.1	41.1	41.5	41.6	-	-	-	-	-
335	Nonferrous rolling and drawing	41.6	41.4	41.7	43.4	43.2	-	3.6	3.8	5.8	5.5
3351	Copper rolling and drawing	-	41.1	41.1	44.9	44.3	-	-	-	-	-
3352	Aluminum rolling and drawing	-	41.3	41.7	42.8	42.9	-	-	-	-	-
3357	Nonferrous wire drawing and insulating . . .	-	41.7	42.1	43.1	42.8	-	-	-	-	-
336	Nonferrous foundries	40.1	40.0	39.5	41.5	41.4	-	2.8	2.4	4.3	4.0
3361	Aluminum castings	-	39.9	39.2	41.4	41.2	-	-	-	-	-
3362,9	Other nonferrous castings	-	40.2	39.9	41.6	41.5	-	-	-	-	-
339	Miscellaneous primary metal products . . .	(*)	40.9	40.4	42.4	42.3	-	3.4	3.3	5.4	5.0
3391	Iron and steel forgings	-	40.5	40.1	42.3	42.2	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	41.0	40.7	40.6	42.0	41.7	-	3.3	3.2	4.4	4.2
341	Metal cans	44.4	43.9	42.8	43.5	43.9	-	5.0	4.3	4.7	5.1
342	Cutlery, hand tools, and hardware	39.9	39.8	40.4	40.8	40.6	-	2.2	2.4	3.2	3.2
3421,3,5	Cutlery and hand tools, incl. saws	-	39.6	40.3	41.1	41.5	-	-	-	-	-
3429	Hardware, n e c	-	40.0	40.5	40.6	40.1	-	-	-	-	-
343	Plumbing and heating, except electric . . .	39.4	39.2	38.7	41.3	40.7	-	2.1	1.8	3.5	3.5
3431,2	Sanitary ware & plumbers' brass goods . .	-	39.1	38.7	41.5	41.5	-	-	-	-	-
3433	Heating equipment, except electric	-	39.3	38.6	41.2	40.0	-	-	-	-	-
344	Fabricated structural metal products	40.7	40.5	40.5	41.8	41.5	-	3.1	2.9	4.1	3.9
3441	Fabricated structural steel	-	41.1	41.0	41.7	41.1	-	-	-	-	-
3442	Metal doors, sash, and trim	-	39.3	38.7	41.1	40.6	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	41.0	41.3	42.1	42.4	-	-	-	-	-
3444	Sheet metal work	-	40.2	39.9	41.8	41.2	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	40.2	40.5	42.5	41.9	-	-	-	-	-
345	Screw machine products, bolts, etc.	40.9	40.2	40.9	43.6	43.5	-	3.0	3.2	5.9	6.0
3451	Screw machine products	-	40.1	41.2	43.0	42.8	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	40.2	40.6	44.2	44.2	-	-	-	-	-
346	Metal stampings	42.7	42.3	41.8	42.8	42.0	-	4.5	4.1	5.3	4.5
347	Metal services, n e c	39.6	39.1	39.5	41.2	41.1	-	3.9	3.9	4.3	4.4
348	Misc. fabricated wire products	40.0	39.6	39.7	40.9	40.9	-	2.6	2.9	3.5	3.9
349	Misc. fabricated metal products	40.7	40.4	40.4	41.9	41.7	-	2.8	3.0	4.3	4.1
3494,8	Valves, pipe, and pipe fittings	-	40.5	40.6	42.2	42.1	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	41.1	41.1	41.4	42.6	42.6	-	3.2	3.6	4.6	4.5
351	Engines and turbines	(*)	41.3	41.4	41.2	41.5	-	3.8	3.8	4.5	4.6
3511	Steam engines and turbines	-	41.7	41.7	40.8	41.6	-	-	-	-	-
3519	Internal combustion engines, n e c	-	41.1	41.3	41.4	41.5	-	-	-	-	-
352	Farm machinery	-	39.1	40.1	40.1	39.9	-	1.7	2.5	2.3	2.3
353	Construction and related machinery	41.2	40.7	41.4	42.9	42.9	-	2.8	3.4	4.8	4.3
3531,2	Construction and mining machinery	-	41.0	41.9	42.7	42.4	-	-	-	-	-
3533	Oil field machinery	-	41.7	42.1	42.9	43.5	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	39.8	40.4	44.0	43.7	-	-	-	-	-
3537	Industrial trucks and tractors	-	37.7	38.7	43.2	43.5	-	-	-	-	-
354	Metal working machinery	(*)	42.8	43.6	44.3	44.4	-	4.7	5.3	6.0	6.0
3541	Machine tools, metal cutting types	-	42.0	42.2	44.0	44.0	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	45.5	46.4	46.2	45.8	-	-	-	-	-
3545	Machine tool accessories	-	40.3	41.1	42.3	42.9	-	-	-	-	-
3542,8	Misc. metal working machinery	-	40.5	41.7	42.8	43.4	-	-	-	-	-
355	Special industry machinery	41.2	41.2	41.9	43.0	42.9	-	3.2	3.8	4.9	4.8
3551	Food products machinery	-	41.7	42.5	42.5	42.7	-	-	-	-	-
3552	Textile machinery	-	40.6	40.9	42.7	42.4	-	-	-	-	-
3555	Printing trades machinery	-	40.8	40.7	43.1	43.1	-	-	-	-	-
356	General industrial machinery	(*)	40.0	40.7	42.3	42.3	-	2.7	3.1	4.2	4.2
3561	Pumps and compressors	-	41.3	41.5	42.0	41.9	-	-	-	-	-
3562	Ball and roller bearings	-	38.0	38.9	42.2	42.3	-	-	-	-	-
3564	Blowers and fans	-	41.0	41.1	42.0	42.5	-	-	-	-	-
3566	Power transmission equipment	-	40.8	41.8	43.3	43.2	-	-	-	-	-
357	Office and computing machines	(*)	40.8	40.7	41.9	42.0	-	2.3	2.3	3.4	3.4
3573	Electronic computing equipment	-	41.4	41.3	42.0	42.2	-	-	-	-	-
358	Service industry machines	(*)	40.2	37.8	41.5	41.1	-	2.7	1.6	3.6	3.3
3585	Refrigeration machinery	-	40.2	37.1	41.8	41.5	-	-	-	-	-
359	Misc. machinery, except electrical	41.5	41.7	42.0	43.0	43.2	-	3.9	4.2	5.3	5.2

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				
		June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969	June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES...	\$132.14	\$130.54	\$128.30	\$125.36	\$124.34	\$3.32	\$3.28	\$3.24	\$3.08	\$3.07
361	Electric test & distributing equipment ...	(*)	136.68	136.21	133.76	132.48	(*)	3.40	3.38	3.20	3.20
3611	Electric measuring instruments	-	120.04	119.87	117.97	118.26	-	3.07	3.05	2.92	2.92
3612	Transformers	-	141.32	139.74	135.98	132.66	-	3.43	3.40	3.23	3.22
3613	Switchgear and switchboard apparatus...	-	146.25	146.57	144.33	143.06	-	3.62	3.61	3.38	3.39
362	Electrical industrial apparatus	135.81	135.54	134.06	134.69	134.27	3.37	3.38	3.36	3.23	3.22
3621	Motors and generators	-	140.94	138.75	136.27	135.94	-	3.48	3.46	3.26	3.26
3622	Industrial controls	-	121.91	122.22	131.11	131.24	-	3.15	3.11	3.19	3.17
363	Household appliances	140.10	136.28	136.12	132.03	132.36	3.52	3.45	3.42	3.26	3.26
3632	Household refrigerators and freezers ...	-	149.85	151.84	144.23	146.26	-	3.70	3.74	3.57	3.55
3633	Household laundry equipment	-	145.82	145.64	141.58	136.86	-	3.72	3.65	3.47	3.43
3634	Electric housewares and fans	-	109.73	109.98	107.60	106.79	-	2.85	2.82	2.69	2.69
364	Electric lighting and wiring equipment ...	121.97	121.27	118.17	117.09	115.89	3.08	3.07	3.03	2.92	2.89
3641	Electric lamps	-	126.77	124.71	114.84	113.94	-	3.13	3.11	2.90	2.87
3642	Lighting fixtures	-	123.00	116.18	118.31	114.95	-	3.17	3.09	2.98	2.94
3643,4	Wiring devices	-	117.02	115.94	117.22	116.97	-	2.97	2.95	2.88	2.86
365	Radio and TV receiving equipment	(*)	110.75	107.53	105.30	102.64	(*)	2.93	2.93	2.70	2.68
366	Communication equipment	(*)	148.73	147.14	142.00	140.76	(*)	3.61	3.58	3.43	3.40
3661	Telephone and telegraph apparatus	-	149.94	147.84	146.58	145.17	-	3.57	3.52	3.49	3.44
3662	Radio and TV communication equipment ...	-	147.42	147.02	139.33	137.83	-	3.64	3.63	3.39	3.37
367	Electronic components and accessories ..	(*)	110.65	108.64	106.27	104.94	(*)	2.83	2.80	2.67	2.65
3671-3	Electron tubes	-	120.51	121.35	117.49	113.94	-	3.09	3.08	2.93	2.87
3674,9	Other electronic components	-	108.70	106.04	103.62	102.96	-	2.78	2.74	2.61	2.60
369	Misc. electrical equipment & supplies....	139.74	139.00	134.46	137.61	136.61	3.52	3.51	3.43	3.34	3.34
3694	Engine electrical equipment	-	144.65	139.37	142.68	142.86	-	3.69	3.62	3.48	3.51
37	TRANSPORTATION EQUIPMENT	172.22	164.43	156.80	160.58	158.18	4.13	4.06	4.00	3.86	3.83
371	Motor vehicles and equipment	(*)	171.74	157.29	170.94	166.44	(*)	4.23	4.15	4.07	4.03
3711	Motor vehicles	-	176.58	155.36	172.64	169.74	-	4.36	4.28	4.15	4.09
3712	Passenger car bodies	-	180.39	166.42	184.47	184.02	-	4.59	4.51	4.31	4.34
3713	Truck and bus bodies	-	140.30	137.76	136.42	129.03	-	3.49	3.41	3.36	3.25
3714	Motor vehicle parts and accessories ...	-	172.20	151.50	173.43	167.69	-	4.20	4.12	4.10	4.08
3715	Truck trailers	-	124.94	126.40	127.98	125.82	-	3.22	3.20	3.04	3.01
372	Aircraft and parts	165.24	166.06	165.24	158.95	158.53	4.07	4.07	4.05	3.83	3.82
3721	Aircraft	-	167.69	166.05	159.74	159.74	-	4.11	4.10	3.84	3.84
3722	Aircraft engines and engine parts	-	163.21	162.01	155.93	156.67	-	4.06	4.03	3.85	3.84
3723,9	Other aircraft parts and equipment	-	165.55	166.30	159.42	158.20	-	3.97	3.95	3.76	3.74
373	Ship and boat building and repairing	149.29	150.78	150.72	146.08	144.26	3.77	3.76	3.74	3.52	3.51
3731	Ship building and repairing	-	158.75	159.56	156.42	154.16	-	3.91	3.93	3.76	3.76
3732	Boat building and repairing	-	120.46	119.65	114.67	115.92	-	3.17	3.06	2.79	2.80
374	Railroad equipment	-	164.72	168.10	156.29	156.53	-	4.17	4.12	3.84	3.79
375,9	Other transportation equipment	-	120.51	118.73	118.37	117.09	-	3.09	3.06	2.93	2.92
38	INSTRUMENTS AND RELATED PRODUCTS ..	132.73	132.33	132.59	128.74	126.98	3.31	3.30	3.29	3.14	3.12
381	Engineering & scientific instruments	-	150.32	150.59	148.19	146.08	-	3.73	3.70	3.52	3.52
382	Mechanical measuring & control devices..	129.75	131.01	130.87	127.48	126.36	3.31	3.30	3.28	3.14	3.12
3821	Mechanical measuring devices	-	134.94	135.05	130.38	129.56	-	3.34	3.31	3.18	3.16
3822	Automatic temperature controls	-	124.74	124.68	123.51	122.49	-	3.24	3.23	3.08	3.07
383,5	Optical and ophthalmic goods	123.11	122.09	123.01	120.58	120.07	3.07	3.06	3.06	2.97	2.95
385	Ophthalmic goods	-	111.22	112.46	109.20	109.62	-	2.83	2.84	2.73	2.72
384	Medical instruments and supplies.....	114.36	112.22	110.58	111.65	110.70	2.91	2.87	2.85	2.75	2.74
386	Photographic equipment and supplies	162.31	162.05	163.20	153.49	149.45	3.81	3.84	3.84	3.62	3.61
387	Watches, clocks, and watchcases	-	108.64	108.58	100.10	99.45	-	2.80	2.77	2.56	2.55
39	MISC. MANUFACTURING INDUSTRIES	108.75	108.08	108.64	103.88	102.96	2.81	2.80	2.80	2.65	2.64
391	Jewelry, silverware, and plated ware....	117.34	119.34	120.87	113.47	113.29	3.04	3.06	3.06	2.88	2.89
394	Toys and sporting goods	-	98.05	98.05	91.06	90.20	-	2.56	2.56	2.39	2.38
3941-3	Games, toys, dolls & play vehicles	-	92.50	94.87	85.73	84.44	-	2.46	2.49	2.28	2.27
3949	Sporting and athletic goods, n e c	-	104.93	101.90	98.03	98.03	-	2.67	2.64	2.52	2.52
395	Pens, pencils, office and art supplies....	-	109.25	107.25	104.54	104.92	-	2.86	2.75	2.62	2.61
396	Costume jewelry and notions	-	98.30	98.30	95.40	96.04	-	2.54	2.56	2.44	2.45
393,9	Other manufacturing industries	117.00	116.40	117.00	114.51	111.50	3.00	3.00	3.00	2.87	2.83
393	Musical instruments and parts	-	114.07	115.05	111.04	109.30	-	2.94	2.95	2.79	2.76
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	128.21	127.98	124.49	120.66	119.48	3.15	3.16	3.12	2.95	2.95
201	Meat products	136.86	136.27	134.31	127.00	126.89	3.33	3.34	3.30	3.09	3.11
2011	Meat packing plants	-	165.11	160.58	151.26	149.45	-	3.95	3.86	3.61	3.61
2013	Sausages and other prepared meats	-	145.04	143.56	141.32	139.40	-	3.59	3.58	3.43	3.40
2015	Poultry dressing plants	-	83.53	83.32	80.40	79.40	-	2.12	2.12	2.02	2.01

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				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	39.8	39.8	39.6	40.7	40.5	-	2.2	2.1	2.9	2.8
361	Electric test & distributing equipment	(*)	40.2	40.3	41.8	41.4	-	2.3	2.2	3.5	3.1
3611	Electric measuring instruments	-	39.1	39.3	40.4	40.5	-	-	-	-	-
3612	Transformers	-	41.2	41.1	42.1	41.2	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	40.4	40.6	42.7	42.2	-	-	-	-	-
362	Electrical industrial apparatus	40.3	40.1	39.9	41.7	41.7	-	2.6	2.4	4.0	3.9
3621	Motors and generators	-	40.5	40.1	41.8	41.7	-	-	-	-	-
3622	Industrial controls	-	38.7	39.3	41.1	41.4	-	-	-	-	-
363	Household appliances	39.8	39.5	39.8	40.5	40.6	-	2.5	2.3	2.8	2.8
3632	Household refrigerators and freezers	-	40.5	40.6	40.4	41.2	-	-	-	-	-
3633	Household laundry equipment	-	39.2	39.9	40.8	39.9	-	-	-	-	-
3634	Electric housewares and fans	-	38.5	39.0	40.0	39.7	-	-	-	-	-
364	Electric lighting and wiring equipment	39.6	39.5	39.0	40.1	40.1	-	2.3	1.9	2.6	2.6
3641	Electric lamps	-	40.5	40.1	39.6	39.7	-	-	-	-	-
3642	Lighting fixtures	-	38.8	37.6	39.7	39.1	-	-	-	-	-
3643,4	Wiring devices	-	39.4	39.3	40.7	40.9	-	-	-	-	-
365	Radio and TV receiving equipment	(*)	37.8	36.7	39.0	38.3	-	1.3	1.0	1.7	1.4
366	Communication equipment	(*)	41.2	41.1	41.4	41.4	-	2.9	2.7	3.4	3.0
3661	Telephone and telegraph apparatus	-	42.0	42.0	42.0	42.2	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.5	40.5	41.1	40.9	-	-	-	-	-
367	Electronic components and accessories	(*)	39.1	38.8	39.8	39.6	-	1.6	1.7	2.4	2.2
3671-3	Electron tubes	-	39.0	39.4	40.1	39.7	-	-	-	-	-
3674,9	Other electronic components	-	39.1	38.7	39.7	39.6	-	-	-	-	-
369	Misc. electrical equipment & supplies	39.7	39.6	39.2	41.2	40.9	-	2.1	1.6	3.0	3.0
3694	Engine electrical equipment	-	39.2	38.5	41.0	40.7	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	41.7	40.5	39.2	41.6	41.3	-	2.9	2.2	3.9	3.6
371	Motor vehicles and equipment	(*)	40.6	37.9	42.0	41.3	-	3.3	1.8	4.5	4.1
3711	Motor vehicles	-	40.5	36.3	41.6	41.5	-	-	-	-	-
3712	Passenger car bodies	-	39.3	36.9	42.8	42.4	-	-	-	-	-
3713	Truck and bus bodies	-	40.2	40.4	40.6	39.7	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	41.0	39.2	42.3	41.1	-	-	-	-	-
3715	Truck trailers	-	38.8	39.5	42.1	41.8	-	-	-	-	-
372	Aircraft and parts	40.6	40.8	40.8	41.5	41.5	-	2.5	2.5	3.0	3.0
3721	Aircraft	-	40.8	40.5	41.6	41.6	-	-	-	-	-
3722	Aircraft engines and engine parts	-	40.2	40.2	40.5	40.8	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	41.7	42.1	42.4	42.3	-	-	-	-	-
373	Ship and boat building and repairing	39.6	40.1	40.3	41.5	41.1	-	3.1	3.3	4.1	3.7
3731	Ship building and repairing	-	40.6	40.6	41.6	41.0	-	-	-	-	-
3732	Boat building and repairing	-	38.0	39.1	41.1	41.4	-	-	-	-	-
374	Railroad equipment	-	39.5	40.8	40.7	41.3	-	2.6	3.5	3.8	3.1
375,9	Other transportation equipment	-	39.0	38.8	40.4	40.1	-	2.4	2.0	3.4	3.1
38	INSTRUMENTS AND RELATED PRODUCTS	40.1	40.1	40.3	41.0	40.7	-	2.3	2.4	3.1	2.9
381	Engineering & scientific instruments	-	40.3	40.7	42.1	41.5	-	2.2	2.5	3.8	3.2
382	Mechanical measuring & control devices	39.2	39.7	39.9	40.6	40.5	-	2.3	2.4	3.2	3.1
3821	Mechanical measuring devices	-	40.4	40.8	41.0	41.0	-	-	-	-	-
3822	Automatic temperature controls	-	38.5	38.6	40.1	39.9	-	-	-	-	-
383,5	Optical and ophthalmic goods	40.1	39.9	40.2	40.6	40.7	-	2.4	2.6	2.9	2.8
385	Ophthalmic goods	-	39.3	39.6	40.0	40.3	-	1.9	2.1	2.7	2.6
384	Medical instruments and supplies	39.3	39.1	38.8	40.6	40.4	-	1.7	1.6	2.7	2.4
386	Photographic equipment and supplies	42.6	42.2	42.5	42.4	41.4	-	2.9	3.2	3.5	3.2
387	Watches, clocks, and watch cases	-	38.8	39.2	39.1	39.0	-	1.7	1.9	2.1	2.2
39	MISC. MANUFACTURING INDUSTRIES	38.7	38.6	38.8	39.2	39.0	-	2.0	2.2	2.7	2.5
391	Jewelry, silverware, and plated ware	38.6	39.0	39.5	39.4	39.2	-	2.2	3.0	2.8	2.6
394	Toys and sporting goods	-	38.3	38.3	38.1	37.9	-	1.8	1.7	2.1	2.0
3941-3	Games, toys, dolls, & play vehicles	-	37.6	38.1	37.6	37.2	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.3	38.6	38.9	38.9	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	38.2	39.0	39.9	40.2	-	1.0	1.7	2.6	2.1
396	Costume jewelry and notions	-	38.7	38.4	39.1	39.2	-	2.3	2.4	2.8	2.9
393,9	Other manufacturing industries	39.0	38.8	39.0	39.9	39.4	-	2.2	2.2	3.0	2.7
393	Musical instruments and parts	-	38.8	39.0	39.8	39.6	-	1.6	1.5	2.6	2.1
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	40.7	40.5	39.9	40.9	40.5	-	3.9	3.5	4.3	4.0
201	Meat products	41.1	40.8	40.7	41.1	40.8	-	4.3	4.2	4.5	4.4
2011	Meat packing plants	-	41.8	41.6	41.9	41.4	-	-	-	-	-
2013	Sausages and other prepared meats	-	40.4	40.1	41.2	41.0	-	-	-	-	-
2015	Poultry dressing plants	-	39.4	39.3	39.8	39.5	-	-	-	-	-

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				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	\$135.56	\$134.05	\$131.11	\$128.65	\$125.40	\$3.22	\$3.23	\$3.19	\$3.02	\$3.00
2024	Ice cream and frozen desserts	-	131.66	123.91	123.77	120.72	-	3.12	3.09	2.94	2.93
2026	Fluid milk	-	141.02	138.02	135.56	132.93	-	3.39	3.35	3.16	3.15
203	Canned, cured, and frozen foods	-	104.27	99.91	96.52	97.15	-	2.66	2.65	2.52	2.53
2031,6	Canned, cured, and frozen sea foods	-	88.21	82.60	80.38	83.03	-	2.43	2.36	2.29	2.30
2032,3	Canned food, except sea foods	-	113.26	109.73	102.94	104.93	-	2.86	2.88	2.66	2.67
2037	Frozen fruits and vegetables	-	98.90	93.41	93.38	90.32	-	2.43	2.42	2.37	2.34
204	Grain mill products	(*)	142.52	138.56	135.45	135.30	(*)	3.21	3.20	2.99	3.02
2041	Flour and other grain mill products	-	146.25	139.96	138.32	136.80	-	3.25	3.21	3.04	3.04
2042	Prepared feeds for animals and fowls	-	127.86	124.52	122.23	122.21	-	2.81	2.83	2.64	2.68
205	Bakery products	129.12	124.66	121.20	121.20	118.90	5.22	3.18	3.14	3.00	2.98
2051	Bread, cake, and related products	-	126.62	123.38	122.82	120.40	-	3.23	3.18	3.04	3.01
2052	Cookies and crackers	-	118.29	112.42	114.86	112.18	-	3.01	2.99	2.85	2.84
206	Sugar	-	138.02	136.42	127.36	128.32	-	3.35	3.36	3.20	3.20
207	Confectionery and related products	(*)	105.98	106.59	102.44	101.00	(*)	2.76	2.74	2.60	2.57
2071	Confectionery products	-	100.93	102.80	98.03	97.75	-	2.67	2.67	2.52	2.50
208	Beverages	(*)	147.06	141.02	137.69	134.46	(*)	3.64	3.57	3.35	3.37
2082	Malt liquors	-	194.64	185.95	192.17	180.96	-	4.69	4.58	4.49	4.35
2086	Bottled and canned soft drinks	-	111.91	107.96	108.16	102.56	-	2.77	2.74	2.60	2.59
209	Misc. foods and kindred products	126.38	126.18	122.81	121.35	120.35	3.06	3.07	3.01	2.91	2.90
21	TOBACCO MANUFACTURES	115.22	110.03	110.56	111.72	103.02	3.04	2.99	2.98	2.80	2.74
211	Cigarettes	-	128.43	130.18	134.88	121.48	-	3.49	2.49	3.25	3.18
212	Cigars	-	79.79	80.29	77.87	75.60	-	2.18	2.17	2.06	2.06
22	TEXTILE MILL PRODUCTS	98.09	96.47	96.56	95.63	94.07	2.44	2.43	2.42	2.31	2.30
221	Weaving mills, cotton	98.09	98.01	98.74	94.21	92.62	2.41	2.42	2.42	2.27	2.27
222	Weaving mills, synthetics	100.53	99.54	99.63	100.85	99.68	2.47	2.47	2.46	2.34	2.34
223	Weaving and finishing mills, wool	102.16	103.25	102.67	100.96	103.25	2.51	2.50	2.48	2.37	2.39
224	Narrow fabric mills	97.36	96.80	97.77	95.45	93.89	2.44	2.42	2.42	2.30	2.29
225	Knitting mills	(*)	89.35	89.44	87.98	87.08	(*)	2.37	2.36	2.25	2.25
2251	Women's hosiery, except socks	-	84.58	85.38	87.47	85.91	-	2.33	2.32	2.22	2.22
2252	Hosiery, n e c	-	77.90	78.11	76.91	75.28	-	2.14	2.14	2.04	2.04
2253	Knit outerwear mills	-	92.50	92.37	88.36	88.83	-	2.46	2.45	2.35	2.35
2254	Knit underwear mills	-	79.94	80.01	80.05	78.45	-	2.19	2.18	2.09	2.07
226	Textile finishing, except wool	106.50	103.79	104.96	105.11	102.97	2.56	2.55	2.56	2.45	2.44
227	Floor covering mills	-	103.12	104.24	102.58	99.17	-	2.54	2.53	2.38	2.35
228	Yarn and thread mills	89.27	90.35	89.72	87.76	88.17	2.26	2.27	2.26	2.13	2.14
229	Miscellaneous textile goods	110.30	108.81	108.67	112.32	109.39	2.71	2.70	2.67	2.60	2.58
23	APPAREL AND OTHER TEXTILE PRODUCTS	84.01	83.19	83.90	83.49	82.67	2.38	2.37	2.37	2.30	2.29
231	Men's and boys' suits and coats	(*)	101.89	102.82	106.97	103.79	(*)	2.87	2.88	2.83	2.71
232	Men's and boys' furnishings	77.33	75.92	75.71	73.26	72.10	2.09	2.08	2.08	1.98	1.97
2321	Men's and boys' shirts and nightwear	-	74.46	74.62	70.83	69.87	-	2.04	2.05	1.93	1.93
2327	Men's and boys' separate trousers	-	76.18	74.57	73.85	73.68	-	2.07	2.06	1.98	1.97
2328	Men's and boys' work clothing	-	73.77	73.57	72.56	72.17	-	2.01	2.01	1.94	1.94
233	Women's and misses' outerwear	84.25	83.16	85.85	84.53	84.04	2.53	2.52	2.54	2.45	2.45
2331	Women's and misses' blouses and waists	-	76.39	77.29	76.11	75.30	-	2.26	2.26	2.15	2.17
2335	Women's and misses' dresses	-	83.58	89.24	85.09	86.10	-	2.62	2.68	2.54	2.57
2337	Women's and misses' suits and coats	-	93.20	89.43	95.22	91.46	-	2.85	2.83	2.76	2.69
2339	Women's and misses' outerwear, n e c	-	77.00	80.50	77.47	77.90	-	2.20	2.23	2.14	2.14
234	Women's and children's undergarments	76.82	76.52	76.95	76.08	75.60	2.17	2.18	2.18	2.09	2.10
2341	Women's and children's underwear	-	74.27	75.40	74.13	73.49	-	2.11	2.13	2.02	2.03
2342	Corsets and allied garments	-	81.08	82.02	79.52	79.88	-	2.33	2.33	2.24	2.25
235	Hats, caps, and millinery	-	78.84	78.84	79.70	75.83	-	2.19	2.19	2.16	2.13
236	Children's outerwear	79.83	79.74	77.44	77.04	75.97	2.23	2.24	2.20	2.14	2.14
2361	Children's dresses and blouses	-	80.06	77.09	76.59	75.90	-	2.23	2.19	2.11	2.12
237,8	Fur goods and miscellaneous apparel	-	87.30	88.20	87.97	86.52	-	2.48	2.45	2.41	2.41
239	Misc. fabricated textile products	91.76	91.51	90.04	91.68	91.44	2.48	2.48	2.44	2.40	2.40
2391,2	Housefurnishings	-	78.26	78.54	77.52	77.52	-	2.15	2.14	2.04	2.04
26	PAPER AND ALLIED PRODUCTS	142.27	142.46	140.53	139.21	137.60	3.42	3.40	3.37	3.23	3.20
261,2,6	Paper and pulp mills	(*)	164.93	163.24	158.87	157.34	(*)	3.74	3.71	3.57	3.52
263	Paperboard mills	163.62	166.70	163.56	162.53	160.72	3.77	3.78	3.76	3.58	3.54
264	Misc. converted paper products	(*)	123.82	123.32	121.18	120.47	(*)	3.08	3.06	2.92	2.91
2643	Bags, except textile bags	-	118.30	119.77	114.80	113.16	-	2.95	2.95	2.80	2.76
265	Paperboard containers and boxes	128.47	126.63	124.40	125.88	123.73	3.18	3.15	3.11	2.99	2.96
2651,2	Folding and setup paperboard boxes	-	117.51	115.84	114.12	112.61	-	2.96	2.94	2.77	2.74
2653	Corrugated and solid fiber boxes	-	134.31	129.52	133.65	131.86	-	3.30	3.23	3.13	3.11
2654	Sanitary food containers	-	126.17	123.93	124.95	123.22	-	3.10	3.06	2.94	2.92

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969	June 1970 P	May 1970 P	Apr. 1970	June 1969	May 1969
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	42.1	41.5	41.1	42.6	41.8	-	4.2	3.7	4.5	4.2
2024	Ice cream and frozen desserts	-	42.2	40.1	42.1	41.2	-	-	-	-	-
2026	Fluid milk	-	41.6	41.2	42.9	42.2	-	-	-	-	-
203	Canned, cured, and frozen foods	-	39.2	37.7	38.3	38.4	-	3.0	2.7	3.2	3.0
2031,6	Canned, cured and frozen sea foods	-	36.3	35.0	35.1	36.1	-	-	-	-	-
2042,3	Canned food, except sea foods	-	39.6	38.1	38.7	39.3	-	-	-	-	-
2037	Frozen fruits and vegetables	-	40.7	38.6	39.4	38.6	-	-	-	-	-
204	Grain mill products	(*)	44.4	43.3	45.3	44.8	-	6.2	5.4	7.1	6.7
2041	Flour and other grain mill product	-	45.0	43.6	45.5	45.0	-	-	-	-	-
2042	Prepared feeds for animals and fowls	-	45.5	44.0	46.3	45.6	-	-	-	-	-
205	Bakery products	40.1	39.2	38.6	40.4	39.9	-	3.3	2.9	4.0	3.8
2051	Bread, cake, and related products	-	39.2	38.8	40.4	40.0	-	-	-	-	-
2052	Cookies and crackers	-	39.3	37.6	40.3	39.5	-	-	-	-	-
206	Sugar	-	41.2	40.6	39.8	40.1	-	3.7	3.7	3.0	3.0
207	Confectionery and related products	(*)	38.4	38.9	39.4	39.3	-	2.1	2.4	2.6	2.6
2071	Confectionery products	-	37.8	38.5	38.9	39.1	-	-	-	-	-
208	Beverages	(*)	40.4	39.5	41.1	39.9	-	3.6	3.0	4.4	3.6
2082	Malt liquors	-	41.5	40.6	42.8	41.6	-	-	-	-	-
2086	Bottled and canned soft drinks	-	40.4	39.4	41.6	39.6	-	-	-	-	-
209	Misc. foods and kindred products	41.3	41.1	40.8	41.7	41.5	-	4.4	4.0	4.6	4.7
21	TOBACCO MANUFACTURES	37.9	36.8	37.1	39.9	37.6	-	1.0	1.6	2.5	1.1
211	Cigarettes	-	36.8	37.3	41.5	38.2	-	1.0	2.0	3.4	1.1
212	Cigars	-	36.6	37.0	37.8	36.7	-	1.0	1.1	1.3	1.2
22	TEXTILE MILL PRODUCTS	40.2	39.7	39.9	41.4	40.9	-	3.2	3.3	4.1	3.9
221	Weaving mills, cotton	40.7	40.5	40.8	41.5	40.8	-	3.9	3.9	4.2	3.8
222	Weaving mills, synthetics	40.7	40.3	40.5	43.1	42.6	-	3.1	3.4	5.1	4.8
223	Weaving and finishing mills, wool	40.7	41.3	41.4	42.6	43.2	-	3.7	3.9	4.8	5.3
224	Narrow fabric mills	39.9	40.0	40.4	41.5	41.0	-	2.3	2.7	3.6	3.4
225	Knitting mills	(*)	37.7	37.9	39.1	38.7	-	2.4	2.3	2.9	2.7
2251	Women's hosiery, except socks	-	36.3	36.8	39.4	38.7	-	-	-	-	-
2252	Hosiery, n e c	-	36.4	36.5	37.7	36.9	-	-	-	-	-
2253	Knit outerwear mills	-	37.6	37.7	37.6	37.8	-	-	-	-	-
2254	Knit underwear mills	-	36.5	36.7	38.3	37.9	-	-	-	-	-
226	Textile finishing, except wool	41.6	40.7	41.0	42.9	42.2	-	3.6	3.9	5.2	4.9
227	Floor covering mills	-	40.6	41.2	43.1	42.2	-	2.9	3.2	5.0	4.6
228	Yarn and thread mills	39.5	39.8	39.7	41.2	41.2	-	3.5	3.4	4.0	4.2
229	Miscellaneous textile goods	40.7	40.3	40.7	43.2	42.4	-	3.7	3.7	5.2	4.9
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.3	35.1	35.4	36.3	36.1	-	1.0	1.1	1.4	1.3
231	Men's and boys' suits and coats	(*)	35.5	35.7	37.8	38.3	-	.9	1.0	1.4	1.6
232	Men's and boys' furnishings	37.0	36.5	36.4	37.0	36.6	-	1.1	1.1	1.2	1.1
2321	Men's and boys' shirts and nightwear	-	36.5	36.4	36.7	36.2	-	-	-	-	-
2327	Men's and boys' separate trousers	-	36.8	36.2	37.3	37.4	-	-	-	-	-
2328	Men's and boys' work clothing	-	36.7	36.6	37.4	37.2	-	-	-	-	-
233	Women's and misses' outerwear	33.3	33.0	33.8	34.5	34.3	-	1.0	1.1	1.4	1.3
2331	Women's and misses' blouses and waists	-	33.8	34.2	35.4	34.7	-	-	-	-	-
2335	Women's and misses' dresses	-	31.9	33.3	33.5	33.5	-	-	-	-	-
2337	Women's and misses' suits and coats	-	32.7	31.6	34.5	34.0	-	-	-	-	-
2339	Women's and misses' outerwear, n e c	-	35.0	36.1	36.2	36.4	-	-	-	-	-
234	Women's and children's undergarments	35.4	35.1	35.3	36.4	36.0	-	.8	.8	1.2	1.1
2341	Women's and children's underwear	-	35.2	35.4	36.7	36.2	-	-	-	-	-
2342	Corsets and allied garments	-	34.8	35.2	35.5	35.5	-	-	-	-	-
235	Hats, caps, and millinery	-	36.0	36.0	36.9	35.6	-	1.0	1.1	1.6	1.3
236	Children's outerwear	35.8	35.6	35.2	36.0	35.5	-	1.2	.9	1.3	1.0
2361	Children's dresses and blouses	-	35.9	35.2	36.3	35.8	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel	-	35.2	36.0	36.5	35.9	-	.9	.9	1.1	.9
239	Misc. fabricated textile products	37.0	36.9	36.9	38.2	38.1	-	1.3	1.5	2.0	1.9
2391,2	Housefurnishings	-	36.4	36.7	38.0	38.0	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS	41.6	41.9	41.7	43.1	43.0	-	4.6	4.5	5.5	5.3
261,2,6	Paper and pulp mills	(*)	44.1	44.0	44.5	44.7	-	6.2	6.2	6.6	6.5
263	Paperboard mills	43.4	44.1	43.5	45.4	45.4	-	7.3	6.6	7.8	7.7
264	Misc. converted paper products	(*)	40.2	40.3	41.5	41.4	-	2.9	3.1	4.0	3.8
2643	Bags, except textile bags	-	40.1	40.6	41.0	41.0	-	-	-	-	-
265	Paperboard containers and boxes	40.4	40.2	40.0	42.1	41.8	-	3.4	3.3	4.8	4.6
2651,2	Folding and setup paperboard boxes	-	39.7	39.4	41.2	41.1	-	-	-	-	-
2653	Corrugated and solid fiber boxes	-	40.7	40.1	42.7	42.4	-	-	-	-	-
2654	Sanitary food containers	-	40.7	40.5	42.5	42.2	-	-	-	-	-

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				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
	<i>Nonurable Goods--Continued</i>										
	PRINTING AND PUBLISHING	\$146.64	\$145.89	\$145.15	\$141.31	\$140.18	\$3.90	\$3.88	\$3.85	\$3.68	\$3.66
27	Newspapers	151.14	149.52	148.45	146.29	145.89	4.21	4.20	4.17	4.03	4.03
272	Periodicals	-	169.74	165.64	157.55	158.71	-	4.15	4.10	3.89	3.89
273	Books	-	134.85	130.68	130.25	131.46	-	3.44	3.43	3.24	3.23
275	Commercial printing	150.50	150.90	150.15	144.30	143.50	3.95	3.94	3.89	3.70	3.67
2751	Commercial printing, ex. lithographic	-	145.16	146.69	140.07	139.32	-	3.83	3.82	3.61	3.60
2752	Commercial printing, lithographic	-	159.49	155.20	150.50	149.29	-	4.10	4.00	3.81	3.77
278	Blankbooks and bookbinding	114.00	112.35	113.02	109.06	107.34	3.00	2.98	2.99	2.84	2.81
274,6,7,9	Other publishing & printing ind.	145.16	142.13	142.88	141.18	138.26	3.82	3.77	3.76	3.62	3.61
	CHEMICALS AND ALLIED PRODUCTS	150.79	151.42	150.18	144.63	143.72	3.66	3.64	3.61	3.46	3.43
28	Industrial chemicals	169.70	169.64	168.00	162.73	160.74	4.05	4.02	4.00	3.82	3.80
2812	Alkalies and chlorine	-	171.65	169.24	169.17	161.78	-	4.02	4.02	3.88	3.78
2818	Industrial organic chemicals, n e c.	-	181.48	180.20	172.94	170.91	-	4.26	4.24	4.05	4.05
2819	Industrial inorganic chemicals, n e c.	-	161.35	158.98	153.04	152.15	-	3.86	3.84	3.67	3.64
282	Plastics materials and synthetics	149.40	149.64	148.14	145.78	143.06	3.60	3.58	3.55	3.43	3.39
2821	Plastics materials and resins	-	161.54	159.85	156.17	154.66	-	3.81	3.77	3.59	3.58
2823,4	Synthetic fibers	-	136.86	135.22	133.95	130.82	-	3.33	3.29	3.22	3.16
283	Drugs	(*)	141.00	140.88	134.07	134.15	(*)	3.49	3.47	3.27	3.28
2834	Pharmaceutical preparations	-	134.19	135.14	129.68	130.17	-	3.38	3.37	3.21	3.23
284	Soap, cleaners, and toilet goods	148.32	148.78	147.02	138.38	137.63	3.60	3.62	3.63	3.40	3.39
2841	Soap and other detergents	-	189.84	185.89	176.82	175.14	-	4.52	4.49	4.22	4.19
2844	Toilet preparations	-	118.96	120.30	110.83	111.00	-	2.93	3.00	2.82	2.81
285	Paints and allied products	(*)	139.78	136.80	135.46	136.54	(*)	3.46	3.42	3.28	3.29
287	Agricultural chemicals	(*)	128.27	130.98	120.69	122.92	(*)	2.99	2.95	2.86	2.80
2871,2	Fertilizers, complete & mixing only	-	124.11	125.83	112.59	117.31	-	2.84	2.79	2.70	2.66
286,9	Other chemical products	(*)	141.66	140.90	136.12	136.21	(*)	3.43	3.42	3.32	3.29
2892	Explosives	-	143.92	141.69	138.05	138.85	-	3.58	3.56	3.46	3.42
	PETROLEUM AND COAL PRODUCTS	182.75	181.48	179.77	169.58	174.50	4.26	4.25	4.26	3.99	4.03
29	Petroleum refining	190.80	188.61	188.58	175.97	182.33	4.50	4.48	4.49	4.22	4.26
291	Other petroleum and coal products	(*)	158.69	151.36	149.40	148.62	(*)	3.55	3.52	3.32	3.31
295,9											
	RUBBER AND PLASTICS PRODUCTS, N E C	124.62	124.00	127.35	125.97	125.25	3.10	3.10	3.16	3.05	3.04
30	Tires and inner tubes	(*)	173.47	178.50	183.40	185.02	(*)	4.19	4.20	4.14	4.13
302,3,6	Other rubber products	123.41	122.89	122.49	120.69	119.69	3.07	3.08	3.07	2.98	2.97
302	Rubber footwear	-	103.35	106.40	105.99	105.86	-	2.65	2.68	2.69	2.68
307	Miscellaneous plastics products	114.29	112.63	111.56	108.40	108.00	2.85	2.83	2.81	2.67	2.66
	LEATHER AND LEATHER PRODUCTS	93.62	93.13	90.02	88.83	87.66	2.49	2.49	2.48	2.35	2.35
31	Leather tanning and finishing	126.67	125.15	125.45	119.66	118.67	3.12	3.09	3.09	2.94	2.93
314	Footwear, except rubber	91.61	90.88	87.36	85.88	84.96	2.43	2.43	2.42	2.29	2.29
312,3,5-7,9	Other leather products	88.09	87.72	85.56	85.88	84.27	2.42	2.41	2.41	2.29	2.29
316	Luggage	-	92.06	90.50	87.52	87.56	-	2.55	2.50	2.34	2.36
317	Handbags and personal leather goods	-	84.35	80.61	83.85	80.00	-	2.33	2.35	2.23	2.21
	TRANSPORTATION AND PUBLIC UTILITIES	153.90	151.96	149.25	147.33	146.21	3.80	3.78	3.75	3.62	3.61
	RAILROAD TRANSPORTATION										
4011	Class I railroads ²	-	(*)	(*)	158.78	161.09	-	(*)	(*)	3.65	3.62
	LOCAL AND INTERURBAN PASSENGER TRANSIT										
411	Local and suburban transportation	-	141.71	139.28	130.62	130.59	-	3.35	3.34	3.11	3.08
413	Intercity highway transportation	-	166.38	163.90	167.42	160.61	-	3.99	3.94	3.93	3.87
	TRUCKING AND WAREHOUSING	-	149.81	143.39	154.34	151.06	-	3.69	3.63	3.64	3.64
421,3	Trucking and trucking terminals	-	152.59	145.76	157.62	154.29	-	3.74	3.69	3.70	3.70
422	Public warehousing	-	117.65	117.21	112.03	109.54	-	3.04	2.99	2.88	2.86
46	PIPE LINE TRANSPORTATION	-	183.96	185.59	178.42	174.28	-	4.52	4.56	4.32	4.23
	COMMUNICATION	-	130.70	129.87	131.86	129.89	-	3.36	3.33	3.28	3.28
48	Telephone communication	-	128.37	127.47	130.09	128.16	-	3.30	3.26	3.22	3.22
4817	Switchboard operating employees ³	-	94.67	90.97	95.57	94.96	-	2.76	2.66	2.64	2.66
4818	Line construction employees ⁴	-	177.80	177.60	181.43	177.75	-	4.05	4.00	3.97	3.95
482	Telegraph communication ⁵	-	154.50	149.16	151.12	144.62	-	3.56	3.56	3.49	3.34
483	Radio and television broadcasting	-	142.88	143.26	140.61	138.74	-	3.76	3.76	3.71	3.69

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				
		June 1970 ^p	May ^p 1970	Apr. 1970	June 1969	May 1969	June ^p 1970	May ^p 1970	Apr. 1970	June 1969	May 1969
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	37.6	37.6	37.7	38.4	38.3	-	2.7	2.7	3.2	3.3
271	Newspapers	35.9	35.6	35.6	36.3	36.2	-	2.7	2.6	2.9	3.1
272	Periodicals	-	40.9	40.4	40.5	40.8	-	4.5	3.7	4.4	4.5
273	Books	-	39.2	38.1	40.2	40.7	-	2.8	2.3	3.7	4.2
275	Commercial printing	38.1	38.3	38.6	39.0	39.1	-	3.0	3.1	3.3	3.6
2751	Commercial printing, ex. lithographic	-	37.9	38.4	38.8	38.7	-	-	-	-	-
2752	Commercial printing, lithographic	-	38.9	38.8	39.5	39.6	-	-	-	-	-
278	Blankbooks and bookbinding	38.0	37.7	37.8	38.4	38.2	-	1.6	1.9	2.7	2.4
274,6,7,9	Other publishing & printing ind.	38.0	37.7	38.0	39.0	38.3	-	2.1	2.4	3.2	2.8
28	CHEMICALS AND ALLIED PRODUCTS ..	41.2	41.6	41.6	41.8	41.9	-	3.1	3.2	3.4	3.5
281	Industrial chemicals	41.9	42.2	42.0	42.6	42.3	-	3.5	3.5	3.9	3.5
2812	Alkalies and chlorine	-	42.7	42.1	43.6	42.8	-	-	-	-	-
2818	Industrial organic chemicals, n.e.c.	-	42.6	42.5	42.7	42.2	-	-	-	-	-
2819	Industrial inorganic chemicals, n.e.c.	-	41.8	41.4	41.7	41.8	-	-	-	-	-
282	Plastics materials and synthetics	41.5	41.8	41.7	42.5	42.2	-	2.7	2.6	3.4	3.3
2821	Plastics materials and resins	-	42.4	42.4	43.5	43.2	-	-	-	-	-
2823,4	Synthetic fibers	-	41.1	41.1	41.6	41.4	-	-	-	-	-
283	Drugs	(*)	40.4	40.6	41.0	40.9	-	2.4	2.7	2.8	3.1
2834	Pharmaceutical preparations	-	39.7	40.1	40.4	40.3	-	-	-	-	-
284	Soap, cleaners, and toilet goods	41.2	41.1	40.5	40.7	40.6	-	2.8	2.7	2.7	2.6
2841	Soap and other detergents	-	42.0	41.4	41.9	41.8	-	-	-	-	-
2844	Toilet preparations	-	40.6	40.1	39.3	39.5	-	-	-	-	-
285	Paints and allied products	(*)	40.4	40.0	41.3	41.5	-	2.7	2.3	3.1	3.5
287	Agricultural chemicals	(*)	42.9	44.4	42.2	43.9	-	6.0	7.0	4.5	6.2
2871,2	Fertilizers, complete & mixing only ..	-	43.7	45.1	41.7	44.1	-	-	-	-	-
286,9	Other chemical products	(*)	41.3	41.2	41.0	41.4	-	2.7	2.8	3.0	3.2
2892	Explosives	-	40.2	39.8	39.9	40.6	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS	42.9	42.7	42.2	42.5	43.3	-	4.1	3.6	3.8	4.1
291	Petroleum refining	42.4	42.1	42.0	41.7	42.8	-	3.2	3.1	2.8	3.3
295,9	Other petroleum and coal products	(*)	44.7	43.0	45.0	44.9	-	6.8	5.3	7.1	6.8
30	RUBBER AND PLASTICS PRODUCTS, NEC. ..	40.2	40.0	40.3	41.3	41.2	-	3.1	3.3	4.2	4.2
301	Tires and inner tubes	(*)	41.4	42.5	44.3	44.8	-	4.2	4.8	6.3	6.9
302,3,6	Other rubber products	40.2	39.9	39.9	40.5	40.3	-	2.7	2.9	3.4	3.2
302	Rubber footwear	-	39.0	39.7	39.4	39.5	-	2.4	2.7	2.5	2.6
307	Miscellaneous plastics products	40.1	39.8	39.7	40.6	40.6	-	3.1	3.1	4.0	3.9
31	LEATHER AND LEATHER PRODUCTS	37.6	37.4	36.3	37.8	37.3	-	1.8	1.6	1.9	1.7
311	Leather tanning and finishing	40.6	40.5	40.6	40.7	40.5	-	3.7	3.9	4.1	3.8
314	Footwear, except rubber	37.7	37.4	36.1	37.5	37.1	-	1.8	1.4	1.7	1.5
312,3,5-7,9	Other leather products	36.4	36.4	35.5	37.5	36.8	-	1.2	1.2	1.7	1.5
316	Luggage	-	36.1	36.2	37.4	37.1	-	.9	1.0	1.8	1.8
317	Handbags and personal leather goods ..	-	36.2	34.3	37.6	36.2	-	1.1	1.2	1.6	1.3
-	TRANSPORTATION AND PUBLIC UTILITIES	40.5	40.2	39.8	40.7	40.5	-	-	-	-	-
4011	RAILROAD TRANSPORTATION: Class I railroads ²	-	(*)	(*)	43.5	44.5	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation	-	42.3	41.7	42.0	42.4	-	-	-	-	-
413	Intercity highway transportation	-	41.7	41.6	42.6	41.5	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	-	40.6	39.5	42.4	41.5	-	-	-	-	-
421,3	Trucking and trucking terminals	-	40.8	39.5	42.6	41.7	-	-	-	-	-
422	Public warehousing	-	38.7	39.2	38.9	38.3	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	40.7	40.7	41.3	41.2	-	-	-	-	-
48	COMMUNICATION	-	38.9	39.0	40.2	39.6	-	-	-	-	-
481	Telephone communication	-	38.9	39.1	40.4	39.8	-	-	-	-	-
4817	Switchboard operating employees ³ ..	-	34.3	34.2	36.2	35.7	-	-	-	-	-
4818	Line construction employees ⁴	-	43.9	44.4	45.7	45.0	-	-	-	-	-
482	Telegraph communication ⁵	-	43.4	41.9	43.3	43.3	-	-	-	-	-
483	Radio and television broadcasting	-	38.0	38.1	37.9	37.6	-	-	-	-	-

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				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	\$170.98	\$169.33	\$158.59	\$158.18	-	\$4.12	\$4.09	\$3.84	\$3.83
491	Electric companies and systems	-	175.56	173.89	162.66	162.63	-	4.18	4.15	3.91	3.90
492	Gas companies and systems	-	153.47	152.22	143.82	143.37	-	3.78	3.74	3.56	3.54
493	Combination companies and systems	-	186.78	184.26	172.64	172.22	-	4.49	4.44	4.15	4.16
494-7	Water, steam, & sanitary systems	-	143.72	141.86	131.52	129.97	-	3.48	3.46	3.20	3.17
-	WHOLESALE AND RETAIL TRADE	\$96.39	94.50	93.88	91.55	89.92	\$2.70	2.70	2.69	2.55	2.54
50	WHOLESALE TRADE	137.42	136.46	135.66	129.92	128.00	3.41	3.42	3.40	3.24	3.20
501	Motor vehicles & automotive equipment	-	129.11	126.14	121.25	120.66	-	3.18	3.13	2.95	2.95
502	Drugs, chemicals, and allied products	-	138.52	136.64	130.37	128.59	-	3.57	3.54	3.36	3.34
503	Dry goods and apparel	-	124.83	125.56	120.46	120.46	-	3.42	3.44	3.17	3.17
504	Groceries and related products	-	127.12	125.53	119.10	119.60	-	3.21	3.17	2.97	2.99
506	Electrical goods	-	140.07	136.85	130.52	130.83	-	3.22	3.19	3.13	3.13
507	Hardware; plumbing & heating equipment	-	130.40	130.00	123.29	123.69	-	3.26	3.25	3.09	3.10
508	Machinery, equipment, and supplies	-	149.41	149.29	145.55	143.15	-	3.68	3.65	3.55	3.50
509	Miscellaneous wholesalers	-	137.24	136.81	131.20	126.22	-	3.51	3.49	3.33	3.22
52-59	RETAIL TRADE	83.11	81.16	80.25	79.58	77.63	2.43	2.43	2.41	2.30	2.29
53	Retail general merchandise	-	74.42	74.10	72.80	71.14	-	2.37	2.36	2.24	2.23
531	Department stores	-	78.12	77.00	76.31	74.81	-	2.52	2.50	2.37	2.36
532	Mail order houses	-	92.82	91.19	86.87	86.27	-	2.55	2.54	2.38	2.37
533	Variety stores	-	55.67	57.68	56.17	53.91	-	1.90	1.91	1.86	1.84
54	Food stores	-	85.81	84.64	84.07	81.28	-	2.69	2.67	2.54	2.54
541-3	Grocery, meat, and vegetable stores	-	87.63	86.18	85.66	82.50	-	2.73	2.71	2.58	2.57
56	Apparel and accessory stores	-	71.19	69.66	69.34	67.51	-	2.26	2.24	2.16	2.15
561	Men's & boys' clothing & furnishings	-	87.88	85.76	85.22	83.91	-	2.60	2.56	2.47	2.49
562	Women's ready-to-wear stores	-	62.72	62.10	62.29	61.49	-	2.07	2.07	1.99	1.99
565	Family clothing stores	-	69.72	69.18	66.50	63.95	-	2.10	2.09	2.04	1.98
566	Shoe stores	-	69.97	67.56	68.02	65.93	-	2.34	2.29	2.23	2.25
57	Furniture and home furnishings stores	-	106.87	105.20	103.50	101.28	-	2.92	2.89	2.76	2.73
571	Furniture and home furnishings	-	107.09	105.62	104.25	102.40	-	2.91	2.87	2.78	2.76
58	Eating and drinking places ⁶	-	56.86	56.18	56.05	54.84	-	1.84	1.83	1.73	1.73
52,55,59	Other retail trade	-	101.79	100.77	99.20	97.54	-	2.70	2.68	2.57	2.56
52	Building materials and farm equipment	-	111.56	110.21	105.82	105.71	-	2.81	2.79	2.60	2.61
551,2	Motor vehicle dealers	-	133.90	133.09	132.16	129.97	-	3.29	3.27	3.20	3.17
553,9	Other automotive & accessory dealers	-	112.61	109.75	106.75	107.43	-	2.74	2.69	2.56	2.57
591	Drug stores and proprietary stores	-	72.62	72.38	71.29	69.54	-	2.32	2.32	2.18	2.18
594	Book and stationery stores	-	84.07	82.83	84.04	81.74	-	2.54	2.51	2.45	2.44
598	Fuel and ice dealers	-	118.12	118.56	115.43	115.43	-	2.86	2.85	2.85	2.85
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	111.50	111.57	111.81	108.70	107.30	3.03	3.04	3.03	2.93	2.90
60	Banking	-	101.84	101.38	97.09	96.46	-	2.76	2.74	2.61	2.60
61	Credit agencies other than banks	-	103.23	103.79	99.15	97.61	-	2.79	2.79	2.63	2.61
612	Savings and loan associations	-	100.38	102.40	96.20	94.06	-	2.75	2.76	2.60	2.57
62	Security, commodity brokers & services	-	162.63	169.95	185.55	180.58	-	4.36	4.52	4.87	4.79
63	Insurance carriers	-	120.66	119.19	114.08	112.55	-	3.27	3.23	3.10	3.05
631	Life insurance	-	122.28	120.78	116.32	113.44	-	3.35	3.30	3.24	3.16
632	Accident and health insurance	-	111.57	110.60	100.27	99.28	-	3.04	3.03	2.77	2.75
633	Fire, marine, and casualty insurance	-	121.60	119.73	115.22	114.38	-	3.26	3.21	3.04	3.01
-	SERVICES:	96.95	96.10	95.70	90.83	89.70	2.81	2.81	2.79	2.61	2.60
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶	-	67.03	66.74	64.26	63.01	-	1.96	1.94	1.80	1.79
721	Personal Services: Laundries and dry cleaning plants	-	78.34	77.40	73.77	73.00	-	2.17	2.15	2.01	2.00
722	Photographic studios	-	89.53	88.10	82.49	83.90	-	2.48	2.51	2.35	2.35
781	Motion pictures: Motion picture filming & distributing	-	172.48	173.18	178.61	169.18	-	4.40	4.51	4.41	4.24

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				
		June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	41.5	41.4	41.3	41.3	-	-	-	-	-
491	Electric companies and systems.....	-	42.0	41.9	41.6	41.7	-	-	-	-	-
492	Gas companies and systems.....	-	40.6	40.7	40.4	40.5	-	-	-	-	-
493	Combination companies and systems..	-	41.6	41.5	41.6	41.4	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	41.3	41.0	41.1	41.0	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE.....	35.7	35.0	34.9	35.9	35.4	-	-	-	-	-
50	WHOLESALE TRADE.....	40.3	39.9	39.9	40.1	40.0	-	-	-	-	-
501	Motor vehicles & automotive equipment..	-	40.6	40.3	41.1	40.9	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	38.8	38.6	38.8	38.5	-	-	-	-	-
503	Dry goods and apparel.....	-	36.5	36.5	38.0	38.0	-	-	-	-	-
504	Groceries and related products.....	-	39.6	39.6	40.1	40.0	-	-	-	-	-
506	Electrical goods.....	-	43.5	42.9	41.7	41.8	-	-	-	-	-
507	Hardware, plumbing & heating equipment	-	40.0	40.0	39.9	39.9	-	-	-	-	-
508	Machinery, equipment, and supplies....	-	40.6	40.9	41.0	40.9	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.1	39.2	39.4	39.2	-	-	-	-	-
52-59	RETAIL TRADE.....	34.2	33.4	33.3	34.6	33.9	-	-	-	-	-
53	Retail general merchandise.....	-	31.4	31.4	32.5	31.9	-	-	-	-	-
531	Department stores.....	-	31.0	30.8	32.2	31.7	-	-	-	-	-
532	Mail order houses.....	-	36.4	35.9	36.5	36.4	-	-	-	-	-
533	Variety stores.....	-	29.3	30.2	30.2	29.3	-	-	-	-	-
54	Food stores.....	-	31.9	31.7	33.1	32.0	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores...	-	32.1	31.8	33.2	32.1	-	-	-	-	-
56	Apparel and accessory stores.....	-	31.5	31.1	32.1	31.4	-	-	-	-	-
561	Men's & boys' clothing & furnishings..	-	33.8	33.5	34.5	33.7	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	30.3	30.0	31.3	30.9	-	-	-	-	-
565	Family clothing stores.....	-	33.2	33.1	32.6	32.3	-	-	-	-	-
566	Shoe stores.....	-	29.9	29.5	30.5	29.3	-	-	-	-	-
57	Furniture and home furnishings stores..	-	36.6	36.4	37.5	37.1	-	-	-	-	-
571	Furniture and home furnishings.....	-	36.8	36.8	37.5	37.1	-	-	-	-	-
58	Eating and drinking places ⁶	-	30.9	30.7	32.4	31.7	-	-	-	-	-
52,55,59	Other retail trade.....	-	37.7	37.6	38.6	38.1	-	-	-	-	-
52	Building materials and farm equipment	-	39.7	39.5	40.7	40.5	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	40.7	40.7	41.3	41.0	-	-	-	-	-
553,9	Other automotive & accessory dealers..	-	41.1	40.8	41.7	41.8	-	-	-	-	-
591	Drug stores and proprietary stores...	-	31.3	31.2	32.7	31.9	-	-	-	-	-
594	Book and stationery stores.....	-	33.1	33.0	34.3	33.5	-	-	-	-	-
598	Fuel and ice dealers.....	-	41.3	41.6	40.5	40.5	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷.....	36.8	36.7	36.9	37.1	37.0	-	-	-	-	-
60	Banking.....	-	36.9	37.0	37.2	37.1	-	-	-	-	-
61	Credit agencies other than banks.....	-	37.0	37.2	37.7	37.4	-	-	-	-	-
612	Savings and loan associations.....	-	36.5	37.1	37.0	36.6	-	-	-	-	-
62	Security, commodity brokers & services..	-	37.3	37.6	38.1	37.7	-	-	-	-	-
63	Insurance carriers.....	-	36.9	36.9	36.8	36.9	-	-	-	-	-
631	Life insurance.....	-	36.5	36.6	35.9	35.9	-	-	-	-	-
632	Accident and health insurance.....	-	36.7	36.5	36.2	36.1	-	-	-	-	-
633	Fire, marine, and casualty insurance...	-	37.3	37.3	37.9	38.0	-	-	-	-	-
-	SERVICES.....	34.5	34.2	34.3	34.8	34.5	-	-	-	-	-
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶ ...	-	34.2	34.4	35.7	35.2	-	-	-	-	-
721	Personal Services: Laundries & dry cleaning plants.....	-	36.1	36.0	36.7	36.5	-	-	-	-	-
722	Photographic studios.....	-	36.1	35.1	35.1	35.7	-	-	-	-	-
781	Motion pictures: Motion picture filming & distributing..	-	39.2	38.4	40.5	39.9	-	-	-	-	-

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

²Beginning January 1965, data relate to railroads with operating revenues of \$5,000,000 or more. November 1969: \$164.49, \$3.79, 43.4; December 1969: \$168.30, \$3.74, 45.0; 1969 annual average: \$163.02, \$3.68, 44.3.

³Data 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.

⁴Data 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.

⁵Data relate to nonsupervisory employees except messengers.

⁶Money payments only; tips, not included.

⁷Data 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	-	2,721.7	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	39.5	39.2	39.6	39.6	39.5	39.3	39.6	39.4	39.4	39.4	39.5
Average overtime hours	-	.9	1.0	1.0	1.5	1.9	.9	1.0	.9	.8	1.0	1.0	1.0
Indexes (1965=100):													
Average weekly earnings	-	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	-	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	-	1,057.3	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	39.2	39.1	39.8	40.1	39.6	39.8	38.5	40.2	39.9	39.8
Average overtime hours	-	.8	.8	.8	.8	.8	.8	.9	1.0	.9	1.2	1.0	.8
Indexes (1965=100):													
Average weekly earnings	-	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	-	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	-	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	-	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	-	1.3	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	-	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	-	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	-	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	-	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	.9	.8	.9	.8	.8	.8	.8	.9	.9	.9
Indexes (1965=100):													
Average weekly earnings	-	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	-	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				
	June 1970	May 1970	Apr. 1970	June 1969	May 1969
MANUFACTURING	\$3.24	\$3.22	\$3.21	\$3.04	\$3.03
DURABLE GOODS	3.45	3.42	3.40	3.22	3.20
Ordnance and accessories	-	3.50	3.49	3.32	3.29
Lumber and wood products	-	2.79	2.76	2.57	2.57
Furniture and fixtures	-	2.68	2.66	2.51	2.50
Stone, clay, and glass products	-	3.20	3.18	3.01	3.00
Primary metal industries	-	3.76	3.73	3.59	3.57
Fabricated metal products	-	3.38	3.36	3.17	3.16
Machinery, except electrical	-	3.62	3.60	3.39	3.38
Electrical equipment and supplies	-	3.19	3.16	2.98	2.97
Transportation equipment	-	3.92	3.89	3.68	3.67
Instruments and related products	-	3.21	3.20	3.03	3.02
Miscellaneous manufacturing industries	-	2.73	2.73	2.56	2.56
NONDURABLE GOODS	2.94	2.94	2.93	2.77	2.77
Food and kindred products	-	3.01	2.99	2.80	2.81
Tobacco manufactures	-	2.95	2.92	2.71	2.69
Textile mill products	-	2.34	2.33	2.20	2.20
Apparel and other textile products	-	2.33	2.33	2.26	2.25
Paper and allied products	-	3.22	3.20	3.04	3.01
Printing and publishing	(2)	(2)	(2)	(2)	(2)
Chemicals and allied products	-	3.50	3.48	3.33	3.30
Petroleum and coal products	-	4.06	4.09	3.82	3.84
Rubber and plastics products, n e c	-	2.98	3.04	2.90	2.89
Leather and leather products	-	2.43	2.43	2.29	2.30

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		
	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969
TOTAL PRIVATE:									
Current dollars	\$118.40	\$117.34	\$113.55	\$95.14	\$94.35	\$90.18	\$103.77	\$102.95	\$99.19
1957-59 dollars	87.96	87.57	89.55	70.68	70.41	71.12	77.10	76.83	78.23
MINING:									
Current dollars	161.83	163.35	155.37	127.69	128.86	120.72	138.38	139.63	131.55
1957-59 dollars	120.23	121.90	122.53	94.87	96.16	95.21	102.81	104.20	103.75
CONTRACT CONSTRUCTION:									
Current dollars	194.31	192.91	180.30	152.33	151.33	139.48	165.13	164.00	151.80
1957-59 dollars	144.36	143.96	142.19	113.17	112.93	110.00	122.68	122.39	119.72
MANUFACTURING:									
Current dollars	132.93	131.80	128.61	106.02	105.18	101.24	115.27	114.37	110.74
1957-59 dollars	98.76	98.36	101.43	78.77	78.49	79.84	85.64	85.35	87.33
WHOLESALE AND RETAIL TRADE:									
Current dollars	94.50	93.88	89.92	77.12	76.64	72.58	84.93	84.43	80.97
1957-59 dollars	70.21	70.06	70.91	57.30	57.19	57.24	63.10	63.01	63.86
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	111.57	111.81	107.30	90.03	90.21	85.59	98.37	98.56	94.44
1957-59 dollars	82.89	83.44	84.62	66.89	67.32	67.50	73.08	73.55	74.48

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				
	June 1970 ^P	May 1970 ^P	Apr. 1970	June 1969	May 1969
	Man-hours				
TOTAL	113.6	111.1	111.4	120.5	117.7
MINING	80.4	79.8	80.2	80.6	80.5
CONTRACT CONSTRUCTION	123.4	116.1	112.9	122.9	120.3
MANUFACTURING	113.5	111.8	112.7	122.1	119.0
DURABLE GOODS	117.5	116.3	117.4	129.0	125.9
Ordnance and accessories	157.8	160.0	162.4	214.9	215.5
Lumber and wood products	91.9	89.4	87.7	100.4	96.6
Furniture and fixtures	115.7	114.8	118.8	132.6	129.5
Stone, clay, and glass products	109.8	107.1	107.7	117.0	113.4
Primary metal industries	107.6	107.1	108.2	118.1	114.9
Fabricated metal products	123.7	121.7	123.2	133.7	130.5
Machinery, except electrical	129.5	130.0	134.4	140.5	138.5
Electrical equipment and supplies	135.8	136.3	137.9	148.6	146.5
Transportation equipment	110.6	107.9	106.2	123.5	119.3
Instruments and related products	125.3	125.2	126.8	133.5	131.6
Miscellaneous manufacturing industries	104.3	102.7	102.7	111.5	108.4
NONDURABLE GOODS	108.4	105.9	106.7	113.2	110.1
Food and kindred products	96.3	92.3	89.9	96.5	91.6
Tobacco manufactures	66.6	64.7	65.9	71.9	67.0
Textile mill products	101.6	99.6	101.0	109.3	106.1
Apparel and other textile products	113.5	111.1	112.4	120.0	117.5
Paper and allied products	117.9	116.7	117.2	123.0	119.6
Printing and publishing	117.3	117.5	119.0	120.0	118.4
Chemicals and allied products	120.8	121.5	123.0	127.3	125.8
Petroleum and coal products	86.2	82.8	81.4	84.8	83.4
Rubber and plastics products, nec.	153.2	143.8	157.8	169.0	165.9
Leather and leather products	89.3	86.3	83.5	93.0	90.5
	Payrolls				
MINING	123.5	121.4	121.9	115.1	115.5
CONTRACT CONSTRUCTION	223.7	209.8	203.5	204.4	201.2
MANUFACTURING	180.5	176.8	177.1	183.4	178.1

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	1970						1969						
	June p	May p	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
TOTAL PRIVATE.	37.2	37.1	37.2	37.4	37.3	37.5	37.6	37.6	37.5	37.7	37.7	37.7	37.7
MINING	42.0	42.6	43.1	43.2	43.4	42.7	43.2	43.5	43.0	43.1	43.1	42.6	41.8
CONTRACT CONSTRUCTION.	37.7	38.1	38.3	38.0	38.2	36.7	38.2	38.1	37.6	38.1	37.9	37.6	37.6
MANUFACTURING	39.8	39.8	40.0	40.2	39.9	40.3	40.7	40.5	40.5	40.7	40.6	40.6	40.7
<i>Overtime hours</i>	3.0	2.9	3.0	3.2	3.2	3.3	3.5	3.5	3.5	3.6	3.6	3.6	3.7
DURABLE GOODS	40.4	40.4	40.4	40.7	40.5	41.0	41.3	41.1	41.2	41.4	41.2	41.3	41.3
<i>Overtime hours</i>	3.1	3.1	3.0	3.2	3.2	3.4	3.6	3.5	3.6	3.8	3.8	3.8	3.9
Ordnance and accessories	40.8	40.8	41.1	41.1	41.3	40.6	40.5	40.3	40.2	40.3	40.4	40.3	40.7
Lumber and wood products	39.6	39.8	39.8	39.5	40.1	39.6	40.3	40.2	39.9	40.0	39.9	39.8	40.1
Furniture and fixtures	38.6	38.8	39.3	39.4	39.3	39.5	40.0	40.0	39.9	40.1	40.3	40.2	40.6
Stone, clay, and glass products	41.3	41.3	41.6	41.8	41.7	41.7	42.1	41.8	41.7	41.9	41.9	41.7	41.9
Primary metal industries	39.6	40.2	40.1	40.7	40.9	41.2	41.7	41.6	42.1	42.1	41.9	41.7	41.7
Fabricated metal products	40.8	40.6	40.9	41.2	41.1	41.4	41.5	41.4	41.4	41.5	41.6	41.6	41.7
Machinery, except electrical	41.0	41.1	41.4	41.8	41.9	42.2	42.6	42.2	42.4	42.6	42.5	42.4	42.5
Electrical equipment and supplies	39.7	39.9	40.0	40.2	39.7	40.5	40.3	40.1	40.2	40.4	40.4	40.4	40.6
Transportation equipment	41.7	40.4	39.7	40.4	40.3	40.2	41.4	40.7	41.2	41.6	41.2	42.1	41.6
Instruments and related products	40.0	40.2	40.5	40.7	40.2	40.7	40.9	40.9	40.7	41.0	40.9	40.9	40.9
Miscellaneous manufacturing industries	38.6	38.7	39.0	39.0	38.6	39.3	39.3	38.9	38.9	39.0	39.1	39.2	39.1
NONDURABLE GOODS	39.0	39.1	39.4	39.4	39.3	39.6	39.8	39.6	39.6	39.7	39.7	39.8	39.7
<i>Overtime hours</i>	3.0	3.0	3.0	3.2	3.2	3.4	3.3	3.3	3.3	3.3	3.4	3.4	3.4
Food and kindred products	40.5	40.7	40.6	40.5	40.7	41.0	40.8	40.8	40.6	40.9	40.9	40.7	40.7
Tobacco manufactures	37.3	37.1	38.3	37.5	37.3	38.3	36.2	37.2	37.3	37.4	37.2	38.0	39.3
Textile mill products	39.9	39.8	40.6	40.2	40.1	40.4	40.9	40.7	40.6	40.7	40.9	41.1	41.1
Apparel and other textile products	35.1	35.1	35.5	35.6	35.5	35.6	36.0	35.8	35.8	35.8	35.9	36.0	36.1
Paper and allied products	41.5	41.9	42.1	42.2	42.3	42.8	42.8	42.7	42.8	42.9	42.9	43.0	43.0
Printing and publishing	37.6	37.7	37.9	38.0	38.0	38.2	38.6	38.4	38.2	38.3	38.4	38.5	38.4
Chemicals and allied products	41.2	41.5	41.4	41.8	41.8	42.0	41.8	41.8	41.7	41.8	41.8	41.8	41.8
Petroleum and coal products	42.7	42.4	41.9	42.2	42.7	42.5	42.3	42.6	42.6	42.2	42.8	42.8	42.3
Rubber and plastics products, nec	40.2	40.1	40.7	40.7	41.0	40.9	41.1	40.8	40.9	41.0	40.9	41.2	41.3
Leather and leather products	37.2	37.6	37.4	37.4	37.1	37.5	37.7	37.3	37.2	37.1	36.9	37.1	37.4
TRANSPORTATION AND PUBLIC UTILITIES	40.4	40.4	40.2	40.6	40.7	40.7	40.8	40.7	40.9	40.8	40.5	40.7	40.6
WHOLESALE AND RETAIL TRADE.	35.5	35.4	35.3	35.3	35.4	35.4	35.5	35.5	35.5	35.6	35.7	35.7	35.7
WHOLESALE TRADE	40.2	40.1	40.1	40.1	40.2	40.3	40.5	40.3	40.3	40.3	40.3	40.0	40.0
RETAIL TRADE	33.9	33.8	33.7	33.8	33.7	33.8	33.8	34.0	34.0	34.1	34.2	34.2	34.3
FINANCE, INSURANCE, AND REAL ESTATE	36.8	36.8	36.9	37.0	37.0	36.9	36.9	37.2	37.0	37.1	37.0	37.1	37.1
SERVICES	34.4	34.4	34.4	34.7	34.4	34.4	34.6	34.7	34.6	34.7	35.0	35.0	34.7

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

Industry	1957-59=100												
	1970						1969						
	June p	May p	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	June
TOTAL	110.9	111.9	114.1	115.5	115.6	115.4	117.8	117.1	117.9	118.7	118.4	118.6	118.6
MINING	77.4	79.5	81.1	81.6	82.2	80.9	81.8	82.0	81.1	81.5	81.1	79.7	77.3
CONTRACT CONSTRUCTION	113.8	116.3	119.7	120.6	121.1	113.4	122.5	121.4	118.8	120.1	118.9	119.0	118.8
MANUFACTURING	112.0	112.7	114.7	116.3	116.1	117.5	118.7	118.1	119.6	120.3	120.2	120.5	120.6
DURABLE GOODS	115.6	116.5	118.5	120.8	120.0	121.8	124.1	123.3	126.4	127.1	126.6	127.0	127.1
Ordnance and accessories	158.4	161.9	165.4	174.6	180.1	178.2	186.9	190.5	192.3	197.3	205.7	212.0	215.3
Lumber and wood products	86.9	89.0	89.5	90.1	92.1	92.4	94.2	93.6	92.6	93.7	93.8	93.6	95.2
Furniture and fixtures	114.9	117.0	122.0	123.6	123.3	125.5	127.4	127.7	128.7	129.4	130.3	130.0	131.6
Stone, clay, and glass products	106.3	106.5	108.9	110.5	111.3	110.9	113.5	112.5	112.2	112.7	112.3	111.5	112.9
Primary metal industries	104.2	105.5	106.6	109.6	111.1	113.4	116.5	116.8	118.6	118.0	116.0	114.6	114.4
Fabricated metal products	121.8	122.1	125.0	126.9	126.9	129.0	130.5	129.7	129.8	131.2	131.4	131.3	131.3
Machinery, except electrical	127.8	129.8	133.4	136.2	136.5	137.7	139.8	137.8	139.1	139.3	137.8	138.1	138.8
Electrical equipment and supplies	135.9	138.8	141.3	143.0	140.8	135.7	136.0	136.3	148.5	148.5	148.1	148.9	148.9
Transportation equipment	109.6	107.3	107.4	110.4	104.7	112.0	116.9	116.1	121.7	123.6	122.8	125.0	123.3
Instruments and related products	124.9	126.4	128.3	128.9	127.3	128.9	130.9	130.9	130.7	132.1	132.7	132.7	132.7
Miscellaneous manufacturing industries	103.1	104.0	105.7	108.0	108.1	110.1	112.7	107.1	108.7	108.6	109.2	110.8	110.2
NONDURABLE GOODS	107.4	107.9	109.8	110.4	110.8	111.9	111.8	111.4	110.7	111.4	111.8	112.1	112.2
Food and kindred products	96.7	98.0	97.8	99.0	100.0	99.5	98.0	98.1	95.4	97.8	97.9	96.9	96.9
Tobacco manufactures	76.2	76.9	78.2	76.6	76.2	78.2	70.6	76.0	77.3	78.7	81.6	78.8	81.5
Textile mill products	99.5	100.3	103.1	102.2	102.7	104.8	105.6	104.9	104.6	105.1	105.6	107.2	107.2
Apparel and other textile products	111.5	111.4	113.7	114.2	114.1	116.0	116.9	115.8	115.9	116.0	116.6	117.4	118.0
Paper and allied products	115.9	117.8	119.5	120.2	120.2	121.9	121.7	120.7	121.0	121.3	120.9	121.1	121.1
Printing and publishing	117.2	118.2	119.7	120.5	120.5	121.3	122.6	121.8	121.0	120.6	120.5	120.5	120.0
Chemicals and allied products	119.7	121.1	121.6	123.4	124.0	125.2	124.8	124.6	124.3	125.0	125.4	125.8	126.0
Petroleum and coal products	83.2	82.6	81.7	82.9	83.9	83.5	82.4	83.0	83.0	82.2	83.4	83.4	82.4
Rubber and plastics products, nec	152.4	145.3	161.1	162.1	163.7	165.1	165.2	164.7	165.5	166.6	166.5	168.1	168.5
Leather and leather products	87.7	87.7	87.2	86.9	86.5	88.7	89.5	88.2	88.3	87.1	89.4	90.2	91.2

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

p preliminary.

**OUTPUT PER MAN-HOUR
SEASONALLY ADJUSTED**

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

(Indexes 1957-59=100)

Year and quarter	Output		Man-hours		Output per man-hour		Compensation per man-hour ¹		Real compensation per man-hour ²		Unit labor costs	
	Private	Private nonfam	Private	Private nonfam	Private	Private nonfam	Private	Private nonfam	Private	Private nonfam	Private	Private nonfam
1967: 1st Quarter	146.4	148.2	110.6	115.5	132.4	128.3	147.9	143.5	129.0	125.2	111.7	111.9
2d Quarter	147.2	148.9	109.6	114.9	134.4	129.6	150.3	145.5	130.1	126.0	111.9	112.3
3d Quarter	148.9	150.7	110.3	115.3	134.9	130.6	152.2	147.6	130.4	126.4	112.9	113.0
4th Quarter	150.2	152.1	110.9	116.0	135.4	131.1	154.3	149.7	131.1	127.2	114.0	114.2
Annual average	148.2	150.0	110.4	115.4	134.3	129.9	151.2	146.6	130.1	126.2	112.6	112.9
1968: 1st Quarter	152.4	154.3	111.2	116.4	137.0	132.6	158.5	153.6	133.3	129.2	115.7	115.9
2d Quarter	155.2	157.5	112.2	117.5	138.3	134.1	160.8	155.7	133.7	129.4	116.3	116.1
3d Quarter	156.7	159.0	112.7	118.3	139.0	134.4	163.7	158.1	134.5	129.8	117.8	117.6
4th Quarter	158.1	160.6	112.6	118.3	140.4	135.8	167.8	162.0	136.3	131.5	119.6	119.4
Annual average	155.6	157.9	112.2	117.6	138.7	134.2	162.7	157.4	134.4	130.0	117.4	117.3
1969: 1st Quarter	159.1	161.5	113.7	119.6	139.9	135.0	170.5	164.4	136.7	131.8	121.8	121.8
2d Quarter	159.9	162.3	114.6	120.7	139.5	134.5	172.7	166.5	136.2	131.3	123.8	123.8
3d Quarter	160.8	163.1	115.0	121.4	139.8	134.4	175.8	169.1	136.8	131.5	125.8	125.8
4th Quarter	160.5	163.2	114.3	121.0	140.3	134.9	179.4	172.2	137.6	132.1	127.8	125.7
Annual average	160.1	162.5	114.4	120.6	139.9	134.7	174.7	168.1	136.9	131.7	124.9	124.8
1970: 1st Quarter	159.7	162.2	114.0	120.6	140.1	134.5	182.7	175.2	138.0	132.3	130.4	130.3
2d Quarter												
3d Quarter												
4th Quarter												
Annual average												
Percent change over previous quarter at annual rate ³												
1967: 1st Quarter	- 1.4	- 2.2	0.0	- 0.3	- 1.4	- 1.9	3.9	4.9	3.2	4.1	5.3	6.9
2d Quarter	2.3	1.9	- 3.7	- 2.1	6.2	4.1	6.7	5.5	3.7	2.6	0.5	1.4
3d Quarter	4.5	4.8	2.9	1.7	1.5	3.0	5.2	5.8	0.9	1.6	3.6	2.7
4th Quarter	3.6	3.9	2.1	2.4	1.5	1.5	5.6	5.9	2.1	2.3	4.1	4.4
1968: 1st Quarter	6.0	6.0	1.0	1.2	4.9	4.8	11.3	10.9	6.8	6.5	6.0	5.9
2d Quarter	7.4	8.4	3.5	3.8	3.8	4.5	6.0	5.5	1.1	0.7	2.1	1.0
3d Quarter	4.1	4.0	1.9	2.8	2.1	1.1	7.5	6.4	2.3	1.3	5.3	5.3
4th Quarter	3.5	4.0	- 0.3	0.0	3.8	4.0	10.4	10.3	5.5	5.4	6.3	6.0
1969: 1st Quarter	2.6	2.2	3.8	4.6	- 1.2	- 2.3	6.4	5.8	1.4	0.8	7.6	8.3
2d Quarter	1.9	2.0	3.2	3.5	- 1.3	- 1.4	5.4	5.4	- 1.4	- 1.4	6.8	6.9
3d Quarter	2.2	2.0	1.3	2.4	0.8	- 0.4	7.4	6.2	1.5	0.4	6.5	6.6
4th Quarter	- 0.7	0.2	- 2.3	- 1.3	1.6	1.5	8.3	7.6	2.4	1.8	6.6	6.0
1970: 1st Quarter	- 1.9	- 2.4	- 1.3	- 1.2	- 0.6	- 1.2	7.7	7.1	1.4	0.8	8.4	8.4
2d Quarter												
3d Quarter												
4th Quarter												
Percent change over previous year ⁴												
Year ending -												
1969: 1st Quarter	4.4	4.6	2.2	2.8	2.1	1.8	7.6	7.0	2.6	2.0	5.3	5.1
2d Quarter	3.0	3.0	2.2	2.7	0.8	0.3	7.4	7.0	1.9	1.5	6.5	6.6
3d Quarter	2.6	2.6	2.0	2.6	0.5	- 0.0	7.4	6.9	1.7	1.3	6.8	7.0
4th Quarter	1.5	1.6	1.5	2.3	0.0	- 0.7	6.9	6.2	1.0	0.4	6.9	6.9
1970: 1st Quarter	0.4	0.4	0.2	0.8	0.1	- 0.4	7.2	6.6	1.0	0.4	7.1	7.0
2d Quarter												
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 Percent change computed from original data.

⁴ Current quarter divided by comparable quarter a year ago.

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

ESTABLISHMENT DATA

STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	May 1970 P	Apr. 1970	May 1969	May 1970 P	Apr. 1970	May 1969	May 1970 P	Apr. 1970	May 1969
ALABAMA	\$113.52	\$113.08	\$110.42	40.4	40.1	41.2	\$2.81	\$2.82	\$2.68
Birmingham	137.09	135.53	131.43	40.8	40.7	41.2	3.36	3.33	3.19
Mobile	143.11	136.21	138.21	43.9	41.4	43.6	3.26	3.29	3.17
ALASKA	(*)	207.36	186.34	(*)	40.9	41.5	(*)	5.07	4.49
ARIZONA	129.75	129.75	125.97	39.8	39.8	40.9	3.26	3.26	3.08
Phoenix	130.08	130.74	127.51	39.3	39.5	41.0	3.31	3.34	3.11
Tucson	132.02	133.90	131.57	41.0	41.2	41.9	3.22	3.25	3.14
ARKANSAS	98.40	94.67	94.94	40.0	38.8	41.1	2.46	2.44	2.31
Fort Smith	91.33	89.44	90.17	38.7	37.9	39.9	2.36	2.36	2.26
Little Rock-North Little Rock	102.70	101.92	99.72	39.2	39.2	40.7	2.62	2.60	2.45
Pine Bluff	125.24	123.32	117.16	40.4	40.3	41.4	3.10	3.06	2.83
CALIFORNIA	148.52	148.13	144.32	39.5	39.5	40.2	3.76	3.75	3.59
Anaheim-Santa Ana-Garden Grove	151.44	151.03	145.49	40.6	40.6	41.1	3.73	3.72	3.54
Bakersfield	149.31	149.97	144.79	39.5	40.1	40.9	3.78	3.74	3.54
Fresno	123.75	127.71	120.98	37.5	38.7	38.9	3.30	3.30	3.11
Los Angeles-Long Beach	143.35	142.20	140.94	39.6	39.5	40.5	3.62	3.60	3.48
Modesto-Turlock	128.63	127.62	120.41	37.5	37.1	36.6	3.43	3.44	3.29
Oxnard-Ventura	132.01	130.42	128.90	38.6	38.7	39.3	3.42	3.37	3.28
Sacramento	157.51	150.78	151.32	38.7	37.6	39.1	4.07	4.01	3.87
Salinas-Monterey	128.10	125.77	126.06	37.9	37.1	38.2	3.38	3.39	3.30
San Bernardino-Riverside-Ontario	146.12	144.18	140.35	39.6	39.5	40.1	3.69	3.65	3.50
San Diego	163.99	162.39	158.32	39.9	39.9	40.7	4.11	4.07	3.89
San Francisco-Oakland	162.09	163.38	156.41	38.5	38.9	39.2	4.21	4.20	3.99
San Jose	157.21	156.42	153.54	39.7	39.5	40.3	3.96	3.93	3.81
Santa Barbara	134.98	135.33	133.38	38.9	39.0	39.0	3.47	3.47	3.42
Santa Rosa	143.50	145.33	129.88	39.1	39.6	38.2	3.67	3.67	3.40
Stockton	146.30	144.76	147.06	38.5	38.5	40.4	3.80	3.76	3.64
Vallejo-Napa	142.07	148.21	147.07	36.9	38.9	38.5	3.85	3.81	3.82
COLORADO	143.32	141.80	137.69	40.6	40.4	41.1	3.53	3.51	3.35
Denver	146.16	144.32	140.22	40.6	40.2	41.0	3.60	3.59	3.42
CONNECTICUT	139.13	140.08	136.83	40.8	41.2	42.1	3.41	3.40	3.25
Bridgeport	142.04	143.03	139.26	40.7	41.1	42.2	3.49	3.48	3.30
Hartford	151.08	150.72	147.15	42.2	42.1	42.9	3.58	3.58	3.43
New Britain	140.13	141.78	138.51	40.5	41.7	42.1	3.46	3.40	3.29
New Haven	141.51	139.94	137.85	40.9	40.8	41.9	3.46	3.43	3.29
Stamford	152.22	152.22	146.38	42.4	42.4	42.8	3.59	3.59	3.42
Waterbury	131.84	133.86	130.05	41.2	41.7	42.5	3.20	3.21	3.06
DELAWARE	130.02	130.93	128.93	39.4	39.2	40.8	3.30	3.34	3.16
Wilmington	143.17	145.67	144.63	38.8	39.8	40.4	3.69	3.66	3.58
DISTRICT OF COLUMBIA :									
Washington SMSA	(*)	146.25	139.04	(*)	39.0	39.5	(*)	3.75	3.52
FLORIDA	118.98	117.14	112.32	41.6	41.1	41.6	2.86	2.85	2.70
Fort Lauderdale-Hollywood	(*)	127.41	111.52	(*)	41.1	41.0	(*)	3.10	2.72
Jacksonville	(*)	123.35	112.34	(*)	42.1	41.0	(*)	2.93	2.74
Miami	(*)	109.87	105.26	(*)	40.1	40.8	(*)	2.74	2.58
Orlando	(*)	118.00	113.85	(*)	40.0	42.8	(*)	2.95	2.66
Pensacola	(*)	137.12	129.36	(*)	41.3	42.0	(*)	3.32	3.08
Tampa-St. Petersburg	(*)	122.89	114.40	(*)	41.1	41.6	(*)	2.99	2.75
West Palm Beach	(*)	135.14	126.58	(*)	42.9	43.5	(*)	3.15	2.91
GEORGIA	105.20	104.41	102.50	39.4	39.7	41.0	2.67	2.63	2.50
Atlanta	130.93	126.99	131.14	39.2	38.6	41.5	3.34	3.29	3.16
Savannah	126.63	127.51	124.38	40.2	41.0	41.6	3.15	3.11	2.99
HAWAII	126.25	131.46	118.81	39.7	40.7	38.7	3.18	3.23	3.07
Honolulu	125.69	133.90	116.51	39.4	41.2	38.2	3.19	3.25	3.05
IDAHO	123.09	118.44	119.25	39.2	37.6	38.1	3.14	3.15	3.13
ILLINOIS	144.07	144.14	140.16	39.5	39.9	40.9	3.65	3.61	3.43
Chicago	(*)	145.73	142.49	(*)	40.0	41.2	(*)	3.65	3.46
Davenport-Rock Island-Moline	(*)	161.10	154.23	(*)	39.9	40.1	(*)	4.03	3.84

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	May 1970 ^p	Apr. 1970	May 1969	May 1970 ^p	Apr. 1970	May 1969	May 1970 ^p	Apr. 1970	May 1969
ILLINOIS (continued)									
Peoria	(*)	\$166.90	\$156.72	(*)	41.2	41.5	(*)	\$4.05	\$3.78
Rockford	(*)	144.36	140.13	(*)	40.6	41.5	(*)	3.56	3.37
INDIANA	\$148.80	146.10	142.04	40.0	39.7	40.7	\$3.72	3.68	3.49
Indianapolis	(*)	146.83	139.65	(*)	39.9	39.9	(*)	3.68	3.50
IOWA	142.72	144.11	134.58	39.1	39.7	39.7	3.65	3.63	3.39
Cedar Rapids	148.71	148.88	136.86	40.3	40.9	41.1	3.69	3.64	3.33
Des Moines	149.35	150.11	138.57	39.2	39.4	38.6	3.81	3.81	3.59
Dubuque	156.04	163.20	142.49	37.6	38.4	37.4	4.15	4.25	3.81
Sioux City	138.69	126.49	137.07	40.2	38.8	42.7	3.45	3.26	3.21
Waterloo	154.75	162.00	145.16	38.4	40.0	38.0	4.03	4.05	3.82
KANSAS	132.20	132.19	128.55	42.2	42.2	42.3	3.13	3.13	3.04
Topeka	132.85	150.06	148.50	43.4	44.4	44.8	3.06	3.38	3.32
Wichita	141.71	140.90	130.02	42.8	42.6	41.5	3.31	3.30	3.13
KENTUCKY	127.98	126.94	123.72	39.5	39.3	40.3	3.24	3.23	3.07
Louisville	144.54	141.99	134.63	39.6	38.9	39.4	3.65	3.65	3.42
LOUISIANA	135.38	134.64	128.94	41.4	41.3	42.0	3.27	3.26	3.07
Baton Rouge	157.25	159.56	156.34	41.6	42.1	42.6	3.78	3.79	3.67
New Orleans	137.20	134.39	131.93	41.2	40.6	41.1	3.33	3.31	3.21
Shreveport	121.77	117.09	125.42	41.0	38.9	43.1	2.97	3.01	2.91
MAINE	106.13	105.34	102.97	40.2	39.9	40.7	2.64	2.64	2.53
Lewiston-Auburn	89.65	88.19	85.10	37.2	36.9	37.0	2.41	2.39	2.30
Portland	113.20	111.32	108.53	40.0	39.9	40.8	2.83	2.79	2.66
MARYLAND	134.19	133.73	130.06	39.7	39.8	40.9	3.38	3.36	3.18
Baltimore	137.81	137.71	133.74	39.6	39.8	40.9	3.48	3.46	3.27
MASSACHUSETTS	126.47	125.69	121.40	39.4	39.4	40.2	3.21	3.19	3.02
Boston	137.11	135.98	130.40	39.4	39.3	40.0	3.48	3.46	3.26
Brockton	110.48	111.13	104.56	37.2	37.8	38.3	2.97	2.94	2.73
Fall River	93.00	93.72	91.69	34.7	35.1	36.1	2.68	2.67	2.54
Lawrence-Haverhill	119.29	118.99	113.98	40.3	40.2	41.0	2.96	2.96	2.78
Lowell	111.74	108.77	104.93	38.4	37.9	39.3	2.91	2.87	2.67
New Bedford	98.85	100.88	100.10	37.3	37.5	38.8	2.65	2.69	2.58
Springfield-Chicopee-Holyoke	127.44	127.44	124.85	39.7	39.8	40.8	3.21	3.21	3.06
Worcester	128.54	129.36	127.08	38.6	39.2	40.6	3.33	3.30	3.13
MICHIGAN	170.72	165.50	163.26	40.9	40.2	41.7	4.17	4.12	3.92
Ann Arbor	163.19	159.76	168.17	39.4	38.9	42.2	4.14	4.11	3.99
Battle Creek	165.22	165.17	165.74	41.1	41.7	43.4	4.02	3.96	3.82
Bay City	158.18	154.09	152.81	40.3	40.4	42.2	3.93	3.81	3.62
Detroit	182.48	174.75	171.93	41.7	40.2	41.7	4.38	4.35	4.12
Flint	195.34	189.24	173.82	42.1	41.5	40.2	4.64	4.56	4.32
Grand Rapids	147.54	147.50	142.90	40.5	40.4	41.3	3.64	3.65	3.46
Jackson	156.04	153.56	157.10	39.0	38.2	41.2	4.00	4.02	3.81
Kalamazoo	168.13	169.34	157.24	43.4	43.1	43.4	3.87	3.93	3.62
Lansing	174.73	170.90	166.51	40.4	39.8	42.1	4.33	4.29	3.96
Muskegon-Muskegon Heights	150.09	148.22	145.73	39.8	39.6	42.9	3.77	3.74	3.40
Saginaw	197.86	176.78	168.05	43.9	40.5	41.3	4.51	4.37	4.07
MINNESOTA	140.62	138.75	133.82	40.1	40.0	40.6	3.51	3.47	3.30
Duluth-Superior	124.55	126.89	124.09	38.3	40.0	39.0	3.25	3.17	3.18
Minneapolis-St. Paul	145.02	144.34	140.77	40.0	40.0	40.8	3.62	3.61	3.45
MISSISSIPPI	96.71	95.04	94.66	39.8	39.6	40.8	2.43	2.40	2.32
Jackson	100.12	99.12	91.13	41.2	41.3	40.5	2.43	2.40	2.25
MISSOURI	133.17	123.21	126.63	39.4	37.0	40.2	3.38	3.33	3.15
Kansas City	129.42	128.70	128.30	39.7	39.6	40.6	3.26	3.25	3.16
St. Joseph	146.01	139.53	130.51	42.2	41.9	42.1	3.46	3.33	3.10
St. Louis	149.71	136.49	144.49	39.5	36.3	40.7	3.79	3.76	3.55
Springfield	106.60	109.06	105.20	37.8	38.4	39.4	2.82	2.84	2.67
MONTANA	146.73	144.11	137.42	40.2	39.7	40.3	3.65	3.63	3.41
NEBRASKA	135.55	130.22	128.13	42.5	41.6	43.3	3.19	3.13	2.96
Lincoln	124.38	125.44	-	41.4	40.9	-	3.00	3.06	-
Omaha	138.48	133.19	128.27	41.7	41.2	42.0	3.32	3.23	3.06

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969	May 1970 ^P	Apr. 1970	May 1969
NEVADA.....	\$155.99	\$158.00	\$161.18	38.9	39.6	40.6	\$4.01	\$3.99	\$3.97
NEW HAMPSHIRE.....	107.86	107.09	103.86	38.8	38.8	40.1	2.78	2.76	2.59
Manchester.....	98.14	97.64	94.04	37.6	37.7	38.7	2.61	2.59	2.43
NEW JERSEY.....	138.79	137.97	133.08	40.7	40.7	41.2	3.41	3.39	3.23
Atlantic City.....	104.61	106.86	103.88	38.6	39.0	39.8	2.71	2.74	2.61
Camden.....	133.91	135.09	132.75	39.5	39.5	41.1	3.39	3.42	3.23
Jersey City ²	142.68	141.04	136.78	41.0	41.0	41.7	3.48	3.44	3.28
Newark.....	135.93	135.49	133.99	39.4	39.5	41.1	3.45	3.43	3.26
Paterson-Clifton-Passaic ²	135.26	134.19	133.40	39.9	39.7	41.3	3.39	3.38	3.23
Perth Amboy ²	143.62	142.04	139.59	40.8	40.7	41.3	3.52	3.49	3.38
Trenton.....	130.85	133.45	125.37	38.6	39.6	39.8	3.39	3.37	3.15
NEW MEXICO.....	104.29	100.98	99.31	38.2	37.4	39.1	2.73	2.70	2.54
Albuquerque.....	119.70	112.81	107.98	39.9	38.9	39.7	3.00	2.90	2.72
NEW YORK.....	133.43	132.99	127.12	38.9	39.0	39.6	3.43	3.41	3.21
Albany-Schenectady-Troy.....	147.38	145.48	139.67	40.6	40.3	41.2	3.63	3.61	3.39
Binghamton.....	134.97	136.54	129.58	40.9	41.5	41.4	3.30	3.29	3.13
Buffalo.....	157.95	154.00	149.74	40.5	40.0	40.8	3.90	3.85	3.67
Elmira.....	127.91	125.37	122.09	39.6	39.3	39.9	3.23	3.19	3.06
Monroe County ³	161.93	160.70	150.10	41.1	41.1	40.9	3.94	3.91	3.67
Nassau and Suffolk Counties ⁴	135.14	136.12	129.28	39.4	39.8	40.4	3.43	3.42	3.20
New York-Northeastern New Jersey.....	(*)	131.53	126.64	(*)	38.8	39.7	(*)	3.39	3.19
New York SMSA ²	126.67	127.68	121.20	37.7	38.0	38.6	3.36	3.36	3.14
New York City ⁴	124.58	125.96	119.57	37.3	37.6	38.2	3.34	3.35	3.13
Rochester.....	157.85	156.62	146.78	41.0	41.0	41.0	3.85	3.82	3.58
Rockland County ⁴	136.12	132.92	132.68	41.0	40.4	42.8	3.32	3.29	3.10
Syracuse.....	140.70	141.05	135.27	40.2	40.3	40.5	3.50	3.50	3.34
Utica-Rome.....	123.63	124.73	117.81	39.0	39.1	39.8	3.17	3.19	2.96
Westchester County ⁴	134.75	131.43	124.43	39.4	39.0	39.5	3.42	3.37	3.15
NORTH CAROLINA.....	95.80	96.78	93.38	39.1	39.5	40.6	2.45	2.45	2.30
Asheville.....	90.92	93.69	91.21	38.2	39.2	40.9	2.38	2.39	2.23
Charlotte.....	103.20	101.85	100.77	40.0	40.1	41.3	2.58	2.54	2.44
Greensboro-Winston-Salem-High Point.....	105.26	106.47	100.19	38.7	39.0	39.6	2.72	2.73	2.53
Raleigh.....	99.54	100.19	96.29	39.5	39.6	40.8	2.52	2.53	2.36
NORTH DAKOTA.....	115.74	115.97	112.46	38.7	39.6	40.7	2.99	2.93	2.77
Fargo-Moorhead.....	135.64	135.88	126.12	40.0	39.8	40.2	3.39	3.41	3.14
OHIO.....	153.90	149.65	151.62	40.5	39.8	42.0	3.80	3.76	3.61
Akron.....	154.82	164.83	166.99	38.9	40.8	42.6	3.98	4.04	3.92
Canton.....	151.90	148.74	150.84	40.4	40.2	41.9	3.76	3.70	3.60
Cincinnati.....	148.06	140.94	138.03	40.9	39.7	41.7	3.62	3.55	3.31
Cleveland.....	154.77	148.57	158.05	40.2	39.2	42.6	3.85	3.79	3.71
Columbus.....	146.33	140.30	137.70	40.2	39.3	40.5	3.64	3.57	3.40
Dayton.....	173.87	171.80	173.32	41.3	41.1	42.9	4.21	4.18	4.04
Toledo.....	163.19	156.02	163.20	40.9	39.6	42.5	3.99	3.94	3.84
Youngstown-Warren.....	155.22	154.43	156.67	39.0	38.9	40.8	3.98	3.97	3.84
OKLAHOMA.....	124.24	124.54	120.42	40.6	40.7	41.1	3.06	3.06	2.93
Oklahoma City.....	126.07	123.49	115.90	41.2	41.3	41.1	3.06	2.99	2.82
Tulsa.....	138.43	136.61	132.70	41.2	40.9	41.6	3.36	3.34	3.19
OREGON.....	147.00	145.10	140.22	39.2	38.9	39.5	3.75	3.73	3.55
Eugene.....	155.94	153.23	141.55	40.4	39.8	.1	3.86	3.85	3.53
Portland.....	145.14	143.60	141.12	38.5	38.5	39.2	3.77	3.73	3.60
PENNSYLVANIA.....	130.87	130.41	127.35	39.3	39.4	40.3	3.33	3.31	3.16
Allentown-Bethlehem-Easton.....	127.05	127.32	120.12	38.5	38.7	39.0	3.30	3.29	3.08
Altoona.....	108.01	107.44	108.13	38.3	38.1	39.9	2.82	2.82	2.71
Erie.....	141.17	139.33	134.82	41.4	41.1	42.0	3.41	3.39	3.21
Harrisburg.....	124.34	123.32	117.22	40.5	40.3	40.7	3.07	3.06	2.88
Johnstown.....	125.15	125.88	126.21	36.7	36.7	37.9	3.41	3.43	3.33
Lancaster.....	120.99	121.90	114.86	39.8	40.1	40.3	3.04	3.04	2.85
Philadelphia.....	138.25	138.16	135.94	39.5	39.7	40.7	3.50	3.48	3.34
Pittsburgh.....	150.38	152.22	145.35	40.1	40.7	40.6	3.75	3.74	3.58
Reading.....	119.27	123.69	116.18	38.6	39.9	40.2	3.09	3.10	2.89
Scranton.....	102.21	101.48	97.92	36.9	36.9	38.1	2.77	2.75	2.57
Wilkes-Barre-Hazleton.....	97.19	98.01	94.37	35.6	35.9	37.3	2.73	2.73	2.53
York.....	123.26	120.47	120.98	41.5	40.7	42.6	2.97	2.96	2.84

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969	May p 1970	Apr. 1970	May 1969
RHODE ISLAND.....	\$111.50	\$111.39	\$106.40	39.4	39.5	40.0	\$2.83	\$2.82	\$2.66
Providence-Pawtucket-Warwick.....	110.93	112.12	107.46	39.2	39.9	40.1	2.83	2.81	2.68
SOUTH CAROLINA.....	99.85	100.19	95.94	40.1	40.4	41.0	2.49	2.48	2.34
Charleston.....	120.60	120.77	113.42	40.2	40.8	41.7	3.00	2.96	2.72
Greenville.....	97.51	97.84	95.86	39.8	40.1	41.5	2.45	2.44	2.31
SOUTH DAKOTA.....	133.05	131.12	121.27	44.5	44.0	42.7	2.99	2.98	2.84
Sioux Falls.....	160.87	158.73	144.14	48.6	48.1	46.2	3.31	3.30	3.12
TENNESSEE.....	107.06	105.86	103.42	39.8	39.5	40.4	2.69	2.68	2.56
Chattanooga.....	115.89	115.60	112.88	40.1	40.0	40.9	2.89	2.89	2.76
Knoxville.....	117.41	108.12	116.35	39.8	36.9	40.4	2.95	2.93	2.88
Memphis.....	121.69	120.39	115.23	40.7	40.4	41.3	2.99	2.98	2.79
Nashville.....	118.40	114.55	113.24	40.0	39.5	40.3	2.96	2.90	2.81
TEXAS.....	127.66	127.89	123.90	40.4	40.6	41.3	3.16	3.15	3.00
Amarillo.....	114.65	112.03	110.29	40.8	40.3	41.0	2.81	2.78	2.69
Austin.....	113.44	111.24	100.50	41.4	40.6	40.2	2.74	2.74	2.50
Beaumont-Port Arthur-Orange.....	170.57	168.45	164.39	41.2	40.3	41.2	4.14	4.18	3.99
Corpus Christi.....	151.14	151.01	143.56	42.1	42.3	42.6	3.59	3.57	3.37
Dallas.....	120.40	120.40	117.58	40.0	40.0	41.4	3.01	3.01	2.84
El Paso.....	81.81	85.72	86.52	37.7	39.5	41.2	2.17	2.17	2.10
Fort Worth.....	133.01	132.76	132.82	40.8	40.6	41.9	3.26	3.27	3.17
Galveston-Texas City.....	193.98	194.00	183.18	43.3	43.4	42.9	4.48	4.47	4.27
Houston.....	154.34	152.82	145.27	42.4	42.1	42.6	3.64	3.63	3.41
Lubbock.....	107.68	116.87	105.41	41.1	45.3	43.2	2.62	2.58	2.44
San Antonio.....	106.42	103.25	100.56	42.4	41.8	41.9	2.51	2.47	2.40
Waco.....	(*)	107.68	103.60	(*)	39.3	38.8	(*)	2.74	2.67
Wichita Falls.....	98.11	98.15	97.64	39.4	39.9	41.2	2.49	2.46	2.37
UTAH.....	131.24	131.92	128.84	38.6	38.8	39.4	3.40	3.40	3.27
Salt Lake City.....	123.65	123.52	120.36	38.4	38.6	38.7	3.22	3.20	3.11
VERMONT.....	117.62	118.61	116.20	40.7	40.9	42.1	2.89	2.90	2.76
Burlington.....	131.67	129.56	130.98	41.8	41.0	44.4	3.15	3.16	2.95
Springfield.....	131.14	129.82	127.92	39.5	39.7	41.0	3.32	3.27	3.12
VIRGINIA.....	109.07	108.13	106.30	40.1	39.9	41.2	2.72	2.71	2.58
Lynchburg.....	108.12	104.38	100.28	40.8	40.3	41.1	2.65	2.59	2.44
Norfolk-Portsmouth.....	119.13	114.21	114.78	41.8	40.5	42.2	2.85	2.82	2.72
Richmond.....	122.09	120.96	116.52	39.9	39.4	40.6	3.06	3.07	2.87
Roanoke.....	102.87	102.06	98.47	40.5	40.5	41.2	2.54	2.52	2.39
WASHINGTON.....	159.98	158.39	148.19	39.6	39.4	39.1	4.04	4.02	3.79
Seattle-Everett.....	170.96	168.91	152.88	40.9	40.7	39.2	4.18	4.15	3.90
Spokane.....	(*)	147.04	145.52	(*)	38.9	40.2	(*)	3.78	3.62
Tacoma.....	(*)	151.69	145.15	(*)	38.5	38.5	(*)	3.94	3.77
WEST VIRGINIA.....	134.58	134.46	127.52	39.7	39.9	40.1	3.39	3.37	3.18
Charleston.....	167.11	166.72	157.25	42.2	42.1	42.5	3.96	3.96	3.70
Huntington-Ashland.....	137.83	138.99	140.76	38.5	38.5	40.8	3.58	3.61	3.45
Wheeling.....	135.77	137.83	130.17	39.7	40.3	40.3	3.42	3.42	3.23
WISCONSIN.....	145.01	143.79	139.62	40.3	40.2	41.3	3.60	3.58	3.38
Green Bay.....	150.67	144.17	144.84	42.0	41.1	42.9	3.59	3.51	3.37
Kenosha.....	155.53	155.31	159.01	39.1	39.2	41.8	3.98	3.96	3.80
La Crosse.....	120.66	117.45	116.04	40.0	39.4	40.4	3.02	2.98	2.88
Madison.....	157.62	154.88	147.98	40.1	39.6	40.5	3.93	3.91	3.65
Milwaukee.....	156.71	154.24	150.32	40.2	40.0	41.1	3.89	3.86	3.66
Racine.....	146.74	149.40	143.18	39.7	40.3	41.0	3.70	3.71	3.49
WYOMING.....	135.66	126.75	134.20	39.9	37.5	40.3	3.40	3.38	3.33
Casper.....	161.63	152.10	190.28	42.2	39.0	47.1	3.83	3.90	4.04
Cheyenne.....	109.05	97.35	119.36	34.4	29.5	37.3	3.17	3.30	3.20

¹Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
²Area included in New York-Northeastern New Jersey Standard Consolidated Area.
³Subarea of Rochester Standard Metropolitan Statistical Area.
⁴Subarea 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 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	2.9 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	4.7 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	2.2 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 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	
		May 1970 ^D	Apr. 1970	May 1970 ^P	Apr. 1970	May 1970 ^P	Apr. 1970	May 1970 ^P	Apr. 1970	May 1970 ^P	Apr. 1970
-	MANUFACTURING	4.2	3.7	2.9	2.6	4.7	4.8	2.2	2.1	1.5	1.7
19,24,25,32-39	DURABLE GOODS	3.7	3.4	2.5	2.2	4.5	4.7	1.9	1.8	1.6	1.9
20-23,26-31	NONDURABLE GOODS	4.8	4.1	3.5	3.0	4.9	4.9	2.7	2.5	1.3	1.6
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	1.7	1.5	.8	.7	3.5	4.2	1.0	1.0	1.8	2.5
192	Ammunition, except for small arms	1.6	1.3	.6	.5	3.7	4.4	1.0	1.0	2.0	2.7
24	LUMBER AND WOOD PRODUCTS	5.8	5.5	4.8	4.2	5.4	6.1	3.5	3.6	.9	1.6
242	Sawmills and planing mills	5.7	5.0	4.8	4.0	5.5	5.6	3.7	3.3	.9	1.5
2421	Sawmills and planing mills, general	5.8	4.9	4.9	4.0	5.0	5.4	3.5	3.2	.6	1.4
243	Millwork, plywood & related products	5.4	4.9	4.7	3.6	4.7	4.9	3.0	3.0	.8	1.0
2431	Millwork	5.1	4.5	4.7	3.4	4.1	4.5	2.8	2.8	.4	1.0
2432	Veneer and plywood	4.5	4.5	3.5	3.3	5.1	4.9	3.0	3.1	1.3	1.0
244	Wooden containers	8.3	6.8	7.3	6.3	8.5	8.8	5.9	5.5	1.5	2.1
2441,2	Wooden boxes, shooks, and crates	7.8	6.4	6.8	5.9	8.2	7.6	5.3	5.2	1.7	1.3
249	Miscellaneous wood products	5.5	5.8	4.6	5.1	5.8	6.9	3.6	4.2	1.2	1.6
25	FURNITURE AND FIXTURES	4.4	4.6	3.7	3.6	5.8	6.2	3.4	3.5	1.1	1.5
251	Household furniture	4.7	4.7	4.0	3.8	5.9	6.1	3.8	3.8	.9	1.2
2511	Wood household furniture	4.9	4.4	4.0	3.3	6.1	6.2	3.9	3.6	.9	1.6
2512	Upholstered household furniture	2.8	3.6	2.5	2.9	4.1	4.6	2.4	2.9	.8	.7
2515	Mattresses and bedsprings	6.3	5.4	5.7	4.9	7.2	6.5	4.6	4.2	.8	.6
252	Office furniture	2.9	2.9	2.4	2.2	5.9	5.8	2.4	2.8	2.4	2.0
32	STONE, CLAY, AND GLASS PRODUCTS	4.9	4.7	3.8	3.3	4.8	4.5	2.6	2.4	1.1	1.2
321	Flat glass	2.0	2.5	.4	.1	2.8	4.3	.3	.4	2.3	3.2
322	Glass and glassware, pressed or blown	4.8	4.6	3.7	3.3	4.2	4.3	2.3	2.3	.7	.8
3221	Glass containers	5.7	5.8	4.8	4.6	3.9	4.9	2.8	3.1	.2	.6
3229	Pressed and blown glass, n e c	3.6	2.9	2.3	1.5	4.6	3.5	1.7	1.3	1.4	1.0
324	Cement, hydraulic	(1)	2.6	(1)	1.3	(1)	2.2	(1)	.6	(1)	1.0
325	Structural clay products	6.1	5.7	5.1	4.2	5.4	5.3	3.6	3.4	.9	.8
3251	Brick and structural clay tile	7.1	7.8	6.1	5.5	6.6	6.7	4.8	4.5	.9	1.0
326	Pottery and related products	4.5	3.6	3.1	2.8	5.8	5.5	2.7	2.6	1.9	1.9
3291	Abrasive products	2.2	2.1	2.1	1.6	2.5	3.2	1.4	1.3	.7	1.1
33	PRIMARY METAL INDUSTRIES	3.5	3.1	2.3	1.9	3.5	3.9	1.5	1.5	.9	1.4
331	Blast furnace and basic steel products	3.3	2.6	1.7	1.5	2.6	3.1	.9	1.0	.7	1.1
3312	Blast furnaces and steel mills	3.2	2.6	1.7	1.4	2.4	2.9	.9	.9	.6	1.0
332	Iron and steel foundries	4.8	4.7	3.9	3.2	5.1	5.7	3.1	2.7	.6	1.7
3321	Gray iron foundries	4.7	4.8	4.1	3.1	5.4	5.6	3.5	2.7	.7	1.7
3322	Malleable iron foundries	5.1	4.8	4.5	2.9	5.6	4.8	3.1	2.3	.6	1.1
3323	Steel foundries	5.1	4.4	3.3	3.6	4.2	6.3	2.2	2.8	.5	1.7
333.4	Nonferrous metals	2.6	2.2	2.3	1.9	1.9	2.8	1.1	1.3	.1	.5
335	Nonferrous rolling and drawing	2.5	2.6	1.6	1.2	3.6	3.4	1.3	1.1	1.5	1.6
3351	Copper rolling and drawing	1.8	1.5	.9	.7	2.2	2.7	.8	.9	.7	1.1
3352	Aluminum rolling and drawing	2.4	2.2	1.4	1.3	4.3	3.0	1.2	1.0	2.0	1.1
3357	Nonferrous wire drawing, and insulating	(1)	3.8	(1)	1.4	(1)	4.2	(1)	1.4	(1)	2.2
336	Nonferrous foundries	6.2	4.4	4.0	2.8	6.7	6.6	3.1	2.8	2.5	2.5
3361	Aluminum castings	6.8	4.2	4.2	3.1	7.6	7.3	3.9	2.9	2.4	3.0
3362.9	Other nonferrous castings	5.4	4.5	3.7	2.5	5.7	5.8	2.3	2.7	2.5	2.0
339	Miscellaneous primary metal products	2.1	2.7	1.6	1.3	3.6	4.8	1.5	1.6	1.2	2.3
3391	Iron and steel forgings	(1)	2.6	(1)	1.4	(1)	4.0	(1)	1.3	(1)	1.7

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	
		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
<i>Durable Goods--Continued</i>											
34	FABRICATED METAL PRODUCTS	4.8	4.2	3.4	2.9	5.2	5.5	2.4	2.2	1.5	2.1
341	Metal cans	7.8	4.8	3.7	2.7	5.1	7.4	1.2	1.4	2.5	3.4
342	Cutlery, hand tools, and hardware	3.3	3.1	2.3	1.8	4.2	4.5	2.0	1.8	1.3	1.7
3421, 3.5	Cutlery and hand tools, incl. saws	2.3	2.4	2.0	2.2	4.1	3.9	2.1	2.0	1.2	1.1
3429	Hardware, n e c	4.0	3.6	2.6	1.6	4.3	4.9	1.9	1.6	1.4	2.2
343	Plumbing and heating, except electric	4.2	3.5	3.2	2.5	4.7	5.4	2.2	2.2	1.2	1.9
3431.2	Sanitary ware & plumbers' brass goods	3.6	3.5	2.3	2.7	4.3	5.1	2.2	2.2	.8	1.7
3433	Heating equipment, except electric	4.7	3.5	4.0	2.4	5.0	5.6	2.3	2.2	1.6	2.1
344	Fabricated structural metal products	5.6	4.8	4.5	4.1	5.2	5.5	2.7	2.5	1.2	1.8
3441	Fabricated structural steel	5.3	4.8	4.5	4.3	5.9	6.0	3.1	2.9	1.3	1.9
3443	Fabricated plate work (boiler shops)	3.4	3.4	2.8	2.9	4.1	3.1	2.3	1.7	.7	.5
3446.9	Architectural and misc. metal work	(1)	5.7	(1)	4.5	(1)	7.1	(1)	2.7	(1)	2.8
345	Screw machine products, bolts, etc.	3.2	2.4	2.0	2.0	4.8	5.4	2.1	2.0	1.5	2.4
3452	Bolts, nuts, rivets, and washers	3.0	1.7	1.3	1.3	3.5	5.3	1.5	1.6	1.3	3.1
346	Metal stampings	4.9	4.5	2.4	1.6	4.9	4.8	2.1	1.5	1.8	2.6
348	Misc. fabricated wire products	3.9	4.0	3.2	3.2	7.2	6.0	3.4	3.4	1.9	1.7
349	Misc. fabricated metal products	3.6	3.7	2.7	3.1	4.7	4.6	2.2	2.3	1.3	1.2
3494.8	Valves, pipe, and pipe fittings	3.1	3.4	2.3	2.9	4.8	4.4	1.9	2.1	1.8	1.1
35	MACHINERY, EXCEPT ELECTRICAL	2.7	2.5	1.8	1.8	4.1	4.0	1.6	1.4	1.7	1.6
351	Engines and turbines	3.7	3.1	1.3	1.2	6.1	5.9	.9	.8	4.5	3.8
3511	Steam engines and turbines	(1)	2.3	(1)	1.5	(1)	1.9	(1)	.7	(1)	(1)
3519	Internal combustion engines, n e c	4.7	3.6	1.2	1.1	9.1	8.1	1.0	.9	7.2	6.0
352	Farm machinery	4.2	3.3	1.3	1.7	5.5	6.1	1.6	1.6	3.1	3.3
353	Construction and related machinery	2.9	2.6	2.1	2.2	3.7	3.6	1.6	1.6	1.0	.8
3531.2	Construction and mining machinery	1.8	2.5	1.6	2.1	3.1	3.2	1.2	1.2	.9	.5
3533	Oil field machinery	2.9	3.2	2.7	2.8	4.1	3.7	1.8	2.2	1.2	.6
3535.6	Conveyors, hoists, cranes, monorails	3.7	2.2	2.8	2.0	3.9	3.7	1.9	1.6	.7	1.2
354	Metal working machinery	1.9	2.0	1.5	1.6	3.5	3.9	1.2	1.3	1.6	1.8
3541	Machine tools, metal cutting types	1.0	1.3	.7	1.1	3.9	4.3	.9	1.1	2.3	2.5
3545	Machine tool accessories	1.8	1.7	1.2	1.3	4.2	3.6	1.4	1.1	2.0	1.8
3542.8	Misc. metal working machinery	1.6	1.7	1.3	1.3	2.9	3.3	1.3	1.2	1.0	1.3
355	Special industry machinery	1.9	2.0	1.4	1.7	3.7	3.2	1.4	1.5	1.6	1.0
3551	Food products machinery	2.3	2.3	1.3	2.0	3.0	3.0	1.4	1.3	.8	.8
3552	Textile machinery	1.8	2.1	1.5	1.8	3.7	3.8	1.9	2.0	1.3	1.0
356	General industrial machinery	2.3	2.3	1.7	1.6	3.7	3.7	1.4	1.4	1.6	1.5
3561	Pumps and compressors	(1)	2.1	(1)	1.8	(1)	3.8	(1)	1.4	(1)	1.4
3562	Ball and roller bearings	(1)	2.9	(1)	1.0	(1)	3.7	(1)	1.0	(1)	2.2
3566	Power transmission equipment	1.9	1.8	1.3	1.5	3.0	3.1	1.4	1.3	.9	1.0
357	Office and computing machines	2.2	2.0	1.8	1.4	3.3	2.7	1.8	1.1	.7	.6
3573	Electronic computing equipment	2.6	1.9	2.1	1.4	3.5	2.5	1.8	1.0	.7	.7
358	Service industry machines	4.6	3.5	3.1	2.8	4.9	4.8	2.4	1.8	1.3	2.0
3585	Refrigeration machinery	(1)	3.7	(1)	3.0	(1)	4.3	(1)	1.9	(1)	1.3
36	ELECTRICAL EQUIPMENT AND SUPPLIES	3.1	2.9	2.0	1.9	4.5	4.1	1.8	1.7	1.6	1.4
361	Electric test & distributing equipment	2.9	2.9	2.2	2.2	3.9	4.4	2.1	2.1	.7	1.3
3611	Electric measuring instruments	2.5	2.2	1.9	1.8	3.8	2.8	1.5	1.3	1.2	.7
3612	Transformers	3.6	4.0	2.8	3.1	3.6	4.3	2.0	2.3	.6	.8
3613	Switchgear and switchboard apparatus	2.9	2.6	2.0	1.8	4.3	5.9	2.7	2.7	.5	2.1
362	Electrical industrial apparatus	3.1	2.9	2.1	1.9	3.7	3.2	1.9	1.5	1.0	.9
3621	Motors and generators	3.6	3.2	2.3	1.8	3.6	3.4	1.8	1.4	.9	1.1
3622	Industrial controls	(1)	2.3	(1)	1.8	(1)	2.8	(1)	1.5	(1)	.6
363	Household appliances	4.4	4.2	3.6	3.2	4.2	4.9	2.1	2.1	.9	1.5
3632	Household refrigerators and freezers	6.5	5.2	5.2	4.0	3.9	4.2	2.1	1.8	.2	1.0
3633	Household laundry equipment	4.5	3.7	3.7	2.5	2.9	2.8	1.4	1.3	.7	.7
3634	Electric housewares and fans	3.3	3.8	2.7	2.8	4.8	7.6	3.0	2.8	1.0	3.6
364	Electric lighting and wiring equipment	4.2	3.4	3.1	2.6	4.7	4.1	2.4	2.0	1.1	1.1
3641	Electric lamps	2.2	2.2	1.8	1.8	2.3	2.6	1.3	1.5	.3	.3
3642	Lighting fixtures	4.9	3.7	3.3	2.3	5.4	4.3	2.5	2.0	1.8	1.3
3643.4	Wiring devices	4.7	3.9	3.6	3.1	5.4	4.8	2.9	2.3	1.0	1.3
365	Radio and TV receiving equipment	5.9	4.1	2.5	1.5	6.4	5.3	2.2	1.8	2.8	2.2
366	Communication equipment	2.0	2.2	1.3	1.5	3.5	3.2	1.2	1.2	1.7	1.3
3661	Telephone and telegraph apparatus	(1)	3.2	(1)	2.9	(1)	2.3	(1)	1.4	(1)	.3
3662	Radio and TV communication equipment	1.8	1.8	1.0	.9	4.1	3.6	1.0	1.1	2.4	1.7
367	Electronic components and accessories	2.5	2.7	1.4	1.6	6.0	5.1	1.9	1.9	2.8	2.0
3671-3	Electron tubes	1.1	2.1	.4	1.0	2.6	3.6	1.4	1.5	.5	1.2
3674.9	Other electronic components	2.8	2.8	1.6	1.8	6.7	5.4	2.0	2.0	3.2	2.2
369	Misc. electrical equipment & supplies	3.1	2.7	1.9	1.4	4.3	3.4	1.6	1.3	1.5	1.4
3694	Engine electrical equipment	2.4	2.2	1.3	.5	4.4	2.7	1.2	.8	2.0	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	
		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
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT	3.6	3.2	1.7	1.4	4.9	5.1	1.3	1.2	2.7	3.1
371	Motor vehicles and equipment	(1)	3.5	(1)	1.0	(1)	5.1	(1)	.9	(1)	3.2
3711	Motor vehicles	(1)	3.7	(1)	1.0	(1)	5.0	(1)	.9	(1)	3.4
3712	Passenger car bodies	(1)	3.9	(1)	.7	(1)	10.2	(1)	.3	(1)	9.2
3713	Truck and bus bodies	(1)	3.9	(1)	3.2	(1)	4.5	(1)	2.3	(1)	.5
3714	Motor vehicle parts and accessories	(1)	3.2	(1)	.8	(1)	4.2	(1)	.8	(1)	2.5
372	Aircraft and parts	1.5	1.1	.8	.5	2.8	3.9	.8	.8	1.6	2.6
3721	Aircraft	1.4	.9	.6	.3	2.6	4.2	.7	.8	1.6	3.1
3722	Aircraft engines and engine parts	1.7	1.0	1.0	.5	2.6	2.7	.8	.6	1.4	1.7
3723,9	Other aircraft parts and equipment	1.8	2.0	1.0	1.3	3.8	4.3	1.1	1.1	2.2	2.6
373	Ship and boat building and repairing	6.1	6.9	3.4	4.3	8.5	8.5	2.6	2.9	4.6	4.2
3731	Ship building and repairing	6.5	6.9	3.3	4.0	7.9	8.2	1.9	2.4	4.7	4.4
374	Railroad equipment	(1)	5.8	(1)	2.6	(1)	7.5	(1)	1.7	(1)	4.4
375,9	Other transportation equipment	8.1	7.2	6.5	5.7	8.1	7.9	4.1	3.9	2.0	1.9
38	INSTRUMENTS AND RELATED PRODUCTS	2.7	2.5	2.0	1.9	3.6	3.5	1.5	1.5	1.2	1.1
381	Engineering & scientific instruments	1.7	1.5	1.3	1.0	3.5	3.6	1.1	1.2	1.7	1.6
382	Mechanical measuring & control devices	2.5	2.4	1.7	1.7	3.9	3.7	1.5	1.5	1.5	1.2
3821	Mechanical measuring devices	2.5	2.4	2.2	2.1	3.6	3.3	1.5	1.4	1.5	1.0
3822	Automatic temperature controls	2.4	2.4	1.0	1.1	4.2	4.5	1.5	1.6	1.3	1.6
383,5	Optical and ophthalmic goods	2.5	2.9	2.0	2.5	4.0	3.8	1.6	1.9	1.3	.8
384	Medical instruments and supplies	4.7	3.6	3.1	2.7	4.4	4.5	2.3	1.8	1.1	1.7
386	Photographic equipment and supplies	2.1	2.0	1.9	1.5	2.0	1.9	.9	.9	.5	.4
387	Watches, clocks, and watchcases	2.9	3.5	1.5	2.1	4.8	4.6	1.9	2.2	1.5	.9
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.5	6.1	4.1	3.7	5.8	6.1	2.9	2.9	1.9	2.2
391	Jewelry, silverware, and plated ware	3.5	3.1	2.9	2.3	4.9	3.7	2.8	2.3	1.3	.8
394	Toys and sporting goods	8.4	11.7	6.0	5.4	7.1	8.9	3.5	4.1	2.2	3.3
3941-3	Games, toys, dolls, & play vehicles	(1)	16.4	(1)	6.3	(1)	8.1	(1)	4.6	(1)	1.8
3949	Sporting and athletic goods, n e c	5.6	6.2	3.8	4.3	6.8	9.8	3.5	3.4	1.8	5.2
395	Pens, pencils, office and art supplies	2.6	2.9	1.9	2.5	4.6	5.7	2.4	1.9	1.4	2.9
396	Costume jewelry and notions	5.3	4.3	4.1	3.8	4.7	5.3	2.3	2.5	1.7	1.9
393,9	Other manufacturing industries	4.7	4.4	3.5	3.3	5.7	5.4	2.7	2.6	2.0	1.8
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	6.8	5.2	4.8	3.7	6.1	5.8	3.1	2.8	2.2	2.3
201	Meat products	8.4	6.0	5.6	4.0	7.6	6.3	4.0	3.4	2.6	2.1
2011	Meat packing plants	6.9	5.1	3.6	2.3	7.1	5.7	2.0	1.8	4.5	3.2
2015	Poultry dressing plants	14.1	9.8	11.3	8.4	10.8	9.2	9.4	7.7	.1	.6
204	Grain mill products	4.6	3.3	3.1	2.6	4.0	4.1	1.9	2.0	1.3	1.2
2041	Flour and other grain mill products	4.2	2.8	2.6	2.0	4.5	4.2	1.9	1.9	2.0	1.6
2042	Prepared feeds for animals and fowls	5.3	3.6	3.9	3.2	4.0	3.9	2.3	2.3	.7	.7
205	Bakery products	5.2	4.0	4.3	3.3	4.2	4.5	2.6	2.5	.9	1.2
2051	Bread, cake, and related products	5.3	4.0	4.6	3.5	4.3	3.9	2.8	2.5	.8	.8
2052	Cookies and crackers	4.8	3.8	2.3	2.4	3.9	7.3	1.6	2.5	1.5	3.3
207	Confectionery and related products	6.2	5.7	3.4	4.1	7.9	9.7	3.1	3.8	4.1	5.1
2071	Confectionery products	7.2	6.4	3.9	4.6	9.1	10.8	3.6	4.3	4.8	5.6
208	Beverages	6.4	5.0	4.8	3.3	5.3	4.9	2.9	2.2	1.6	2.0
2082	Malt liquors	5.3	4.2	2.1	1.4	3.7	5.1	.6	.5	2.5	4.0
21	TOBACCO MANUFACTURES	3.5	3.2	2.6	2.3	3.3	3.7	2.0	2.1	.6	.8
211	Cigarettes	2.1	2.0	1.6	1.4	1.1	1.7	.7	.9	(2)	(2)
212	Cigars	5.8	5.1	4.7	4.4	6.8	5.3	5.3	4.2	.4	.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	
		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
	<i>Nondurable Goods--Continued</i>										
22	TEXTILE MILL PRODUCTS	5.0	5.0	3.9	3.9	5.4	5.6	3.8	3.7	0.6	0.8
221	Weaving mills, cotton.....	5.3	5.3	4.0	4.2	5.4	5.6	4.1	4.1	.2	.3
222	Weaving mills, synthetics.....	4.4	4.3	3.5	3.3	4.9	5.3	3.5	3.5	.5	.7
223	Weaving and finishing mills, wool.....	4.3	4.8	3.6	3.7	4.8	5.6	3.3	3.4	.5	1.2
224	Narrow fabric mills.....	4.2	3.9	3.5	2.9	4.7	4.9	3.1	2.8	.8	1.3
225	Knitting mills.....	5.2	5.1	4.0	3.7	5.2	5.3	3.7	3.3	.6	1.2
2251	Women's hosiery, except socks.....	4.0	4.3	3.4	3.2	4.4	5.2	3.5	3.3	.3	1.3
2252	Hosiery, n e c.....	4.7	4.2	3.9	3.3	4.7	4.6	3.7	3.4	.2	.8
2254	Knit underwear mills.....	3.4	2.8	2.1	1.8	3.7	4.0	3.2	2.9	.1	.6
226	Textile finishing, except wool.....	3.9	4.4	2.9	3.1	3.8	4.8	2.4	3.0	.5	.8
227	Floor covering mills.....	4.2	4.0	3.4	3.0	4.9	5.8	3.0	3.2	.8	1.0
228	Yarn and thread mills.....	6.4	6.4	5.3	5.3	7.3	7.2	5.6	5.3	.5	.5
229	Miscellaneous textile goods.....	4.3	4.5	3.3	3.6	6.5	5.8	2.9	3.0	2.1	1.5
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.9	5.3	3.8	3.3	6.1	6.6	3.1	2.8	2.1	3.0
231	Men's and boys' suits and coats.....	3.5	3.2	1.8	1.8	3.2	3.5	1.5	1.6	.9	1.3
232	Men's and boys' furnishings.....	6.4	5.7	5.2	4.4	5.7	5.5	4.1	3.7	.7	1.0
2321	Men's and boys' shirts and nightwear.....	7.5	6.4	5.9	5.1	5.3	5.0	4.1	3.7	.4	.5
2327	Men's and boys' separate trousers.....	5.7	4.3	4.7	3.5	5.4	4.8	4.2	3.5	.5	.5
2328	Men's and boys' work clothing.....	5.5	5.4	4.7	4.4	5.4	5.5	4.5	4.2	.1	.5
234	Women's and children's undergarments.....	4.9	4.2	3.7	2.6	5.4	5.7	3.4	3.1	1.0	1.7
2341	Women's and children's underwear.....	5.0	4.3	4.1	3.0	5.6	5.8	3.6	3.4	.8	1.6
2342	Corsets and allied garments.....	(1)	3.9	(1)	1.6	(1)	5.6	(1)	2.3	(1)	2.1
26	PAPER AND ALLIED PRODUCTS	3.5	3.0	2.8	2.4	3.5	3.8	2.0	2.0	.7	.8
261,2,6	Paper and pulp mills.....	2.3	1.7	1.8	1.2	1.6	1.9	.8	.9	.2	.4
263	Paperboard mills.....	(1)	2.1	(1)	1.8	(1)	2.3	(1)	1.4	(1)	.4
264	Misc. converted paper products.....	4.0	3.8	2.9	3.0	4.3	4.8	2.5	2.6	.9	1.2
2643	Bags, except textile bags.....	4.3	4.8	3.2	3.9	5.1	6.1	3.5	3.7	.8	1.3
265	Paperboard containers and boxes.....	4.7	4.0	3.9	3.3	5.0	5.1	3.0	2.9	.9	1.1
2651,2	Folding and setup paperboard boxes.....	5.2	4.5	4.3	3.6	5.7	5.3	3.2	3.0	1.2	.9
2653	Corrugated and solid fiber boxes.....	3.8	3.1	3.2	2.7	4.4	4.4	3.0	2.6	.5	.9
27	PRINTING AND PUBLISHING	3.1	2.8	2.5	2.4	3.5	3.4	2.1	1.9	.8	.8
28	CHEMICALS AND ALLIED PRODUCTS	2.6	2.2	2.0	1.8	2.7	2.6	1.4	1.3	.6	.6
281	Industrial chemicals.....	1.6	1.6	1.2	1.2	1.7	1.6	.8	.7	.3	.3
282	Plastics materials and synthetics.....	2.0	1.4	1.5	1.0	1.8	1.9	1.0	.8	.2	.5
2821	Plastics materials and resins.....	2.2	1.6	2.1	1.4	2.0	2.0	1.2	.9	.1	.4
2823,4	Synthetic fibers.....	1.9	1.2	1.1	.5	1.7	1.7	.9	.7	.2	.5
283	Drugs.....	2.7	2.1	2.4	1.8	2.5	1.8	1.5	1.1	.4	.3
2834	Pharmaceutical preparations.....	2.9	2.2	2.5	1.9	2.6	2.0	1.6	1.2	.5	.4
284	Soap, cleaners, and toilet goods.....	3.9	2.7	2.5	2.1	3.0	3.5	1.6	1.5	.6	1.1
2841	Soap and other detergents.....	3.3	1.8	2.1	.9	1.5	2.5	.6	.4	.3	1.5
2844	Toilet preparations.....	4.6	3.5	3.1	2.9	4.3	4.3	2.2	2.0	1.2	.9
285	Paints and allied products.....	3.2	2.3	2.8	1.9	2.9	2.9	1.9	1.5	.4	.7
286,9	Other chemical products.....	3.1	2.4	1.8	1.6	3.9	4.1	1.6	1.6	1.4	1.4
29	PETROLEUM AND COAL PRODUCTS	2.5	2.4	2.0	2.0	2.2	2.6	1.0	1.0	.3	.7
291	Petroleum refining.....	1.4	1.5	1.2	1.3	1.6	1.9	.6	.6	.3	.6
295,9	Other petroleum and coal products.....	6.4	6.2	5.2	4.9	4.7	5.2	2.8	2.7	.5	1.2
30	RUBBER AND PLASTICS PRODUCTS, N E C.	5.2	4.3	3.7	3.3	5.6	5.8	2.9	2.8	1.4	1.8
301	Tires and inner tubes.....	2.5	1.7	1.8	1.1	2.0	2.2	1.0	.8	.2	.7
302,3,6	Other rubber products.....	4.1	3.5	2.7	2.2	4.7	4.9	2.4	2.3	.9	1.6
307	Miscellaneous plastics products.....	6.6	5.9	4.8	4.7	7.3	7.8	3.9	3.9	2.1	2.3

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	
		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
	<i>Nondurable Goods--Continued</i>										
31	LEATHER AND LEATHER PRODUCTS	5.9	5.5	4.3	4.1	6.2	6.1	3.5	3.4	1.5	1.6
311	Leather tanning and finishing	5.2	5.9	4.1	4.4	4.8	5.4	2.7	3.0	1.1	1.0
314	Footwear, except rubber	6.0	5.3	4.3	3.8	5.6	5.5	3.4	3.4	1.0	1.1
	NONMANUFACTURING										
10	METAL MINING	4.0	4.0	3.1	3.1	3.0	3.2	1.7	2.0	.5	.2
101	Iron ores	5.2	4.5	2.4	2.5	3.0	1.9	.6	.6	.8	.4
102	Copper ores	3.0	3.1	2.8	2.5	2.6	2.6	1.5	1.6	(2)	.1
11,12	COAL MINING	2.2	2.2	1.7	1.8	1.3	1.8	.7	.8	.3	.6
12	Bituminous coal and lignite mining	2.2	2.2	1.7	1.9	1.3	1.8	.7	.8	.3	.6
	COMMUNICATION:										
481	Telephone communication	(1)	3.0	-	-	(1)	1.9	(1)	1.4	(1)	.1
482	Telegraph communication ³	(1)	2.3	-	-	(1)	2.4	(1)	1.5	(1)	.4

¹ Not available.
² Less than 0.05.
³ 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 ^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	2.8 ^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	5.1 ^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	2.3 ^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 ^P							

^p - preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Apr. p 1970	Mar. 1970	Apr. p 1970	Mar. 1970	Apr. p 1970	Mar. 1970	Apr. p 1970	Mar. 1970	Apr. p 1970	Mar. 1970
ALABAMA:										
Birmingham	3.4	3.2	2.5	2.3	2.9	3.2	1.5	1.3	0.6	1.0
Mobile ¹	5.6	7.9	4.5	3.1	5.0	7.8	2.6	1.5	1.3	5.7
ALASKA	14.4	19.5	12.1	12.7	13.3	9.5	7.3	4.5	5.1	3.9
ARIZONA	4.3	5.0	3.4	3.9	5.6	5.8	2.7	2.7	1.6	1.7
Phoenix	4.1	4.5	3.2	3.6	5.9	5.9	2.7	2.6	1.7	1.8
ARKANSAS	6.1	5.6	4.9	4.4	6.5	5.6	4.2	3.6	1.4	1.2
Fort Smith	8.1	7.4	7.3	6.2	6.3	7.2	5.0	4.7	.2	1.3
Little Rock-North Little Rock	5.5	4.6	5.2	4.3	6.5	4.8	4.7	3.1	.9	.9
Pine Bluff	3.0	3.9	2.4	3.2	4.1	4.5	2.5	2.7	1.0	1.3
CALIFORNIA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Los Angeles-Long Beach	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
COLORADO	4.3	4.5	3.2	3.4	6.2	4.4	3.1	2.3	2.2	1.2
Denver	4.8	4.7	4.2	3.9	5.8	4.6	3.9	2.7	1.0	1.0
CONNECTICUT	2.3	2.6	1.7	2.0	3.9	3.8	1.8	1.8	1.2	1.2
Hartford	1.8	2.1	1.5	1.6	2.9	3.2	1.6	1.6	.4	.7
DELAWARE ¹	2.2	2.2	1.0	1.1	2.5	2.9	1.2	1.0	.6	1.3
Wilmington ¹	2.2	2.2	1.1	1.3	2.5	2.5	1.1	1.0	.7	.9
DISTRICT OF COLUMBIA:										
Washington SMSA	2.4	2.6	2.3	2.5	2.7	2.8	2.2	2.0	(2)	.2
FLORIDA	6.2	5.8	5.2	4.7	6.8	7.7	4.1	3.8	1.5	2.8
Fort Lauderdale-Hollywood	5.7	6.6	5.1	5.9	9.5	8.4	5.5	4.8	2.1	1.9
Jacksonville	4.3	4.8	4.0	4.6	5.3	5.4	4.0	3.8	.5	.6
Miami	5.2	4.9	5.0	4.4	7.0	6.0	3.9	3.2	2.1	1.6
Orlando	4.0	3.6	3.3	3.1	6.0	6.6	2.2	2.8	2.8	3.0
Pensacola	1.1	1.1	1.0	1.0	1.1	1.1	.8	.7	.1	.2
Tampa-St. Petersburg	7.0	6.2	5.7	4.9	7.0	6.7	4.5	4.1	1.3	1.4
West Palm Beach	5.2	4.3	4.2	3.8	5.4	11.5	3.7	3.0	.3	6.4
GEORGIA	4.9	4.6	4.0	3.5	5.6	5.3	3.7	3.2	.9	1.1
Atlanta ³	4.6	4.3	3.7	3.4	6.0	6.2	3.4	3.1	1.4	2.2
HAWAII ⁴	2.9	3.1	2.6	2.7	3.4	4.1	1.8	1.5	.9	.8
IDAHO ⁵	8.0	4.2	4.4	2.8	6.2	8.8	2.4	2.2	2.7	5.8
ILLINOIS:										
Chicago	3.3	3.7	2.7	3.0	5.0	4.4	2.2	2.2	1.7	1.0
INDIANA ¹	3.0	3.1	1.8	1.7	3.8	3.6	1.5	1.5	1.4	1.2
Indianapolis ⁶	2.2	3.1	1.5	1.7	3.3	2.8	1.3	1.3	.9	.5
IOWA	2.7	3.0	1.8	1.9	4.1	4.3	1.9	1.6	1.6	2.1
Cedar Rapids	1.1	2.2	.6	1.1	4.1	4.1	1.1	1.2	2.5	2.4
Des Moines	3.9	4.6	3.5	2.9	6.8	3.4	3.6	2.2	2.2	.4
KANSAS	3.4	3.3	2.6	2.6	5.2	4.7	1.9	2.1	2.4	1.8
Topeka	3.7	5.6	3.2	4.9	3.2	3.0	1.6	2.2	.8	.2
Wichita	1.6	1.6	1.2	1.2	6.5	5.3	1.0	.9	4.6	3.8
KENTUCKY:	4.0	3.8	2.6	2.8	4.2	4.5	2.2	2.2	1.1	1.6
Louisville	2.8	3.0	2.1	2.1	3.2	3.3	1.8	1.7	.6	.5
LOUISIANA:										
New Orleans	2.6	4.7	1.5	3.3	4.2	5.1	1.0	1.6	2.3	2.4
MAINE	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Portland	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MARYLAND	3.1	3.1	2.3	2.3	4.1	3.7	1.8	1.6	1.5	1.3
Baltimore	3.2	3.0	2.4	2.2	4.2	3.8	1.7	1.6	1.5	1.4

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Apr. 1970 ^p	Mar. 1970	Apr. 1970 ^p	Mar. 1970	Apr. 1970 ^p	Mar. 1970	Apr. 1970 ^p	Mar. 1970	Apr. 1970 ^p	Mar. 1970
MASSACHUSETTS.....	3.6	3.7	2.7	2.8	4.9	4.0	2.4	2.1	1.4	1.0
Boston.....	3.4	3.7	2.6	2.9	4.4	3.9	2.4	2.0	1.1	1.0
MICHIGAN.....	3.5	3.5	1.0	1.0	4.4	4.4	.9	.9	2.6	2.6
Detroit.....	3.5	3.5	1.0	.9	4.5	4.2	.9	1.0	2.5	2.3
MINNESOTA.....	4.3	4.1	3.0	2.8	4.8	5.0	2.5	2.3	1.3	1.7
Duluth-Superior.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Minneapolis-St. Paul.....	4.2	4.2	3.0	3.1	4.9	5.0	2.6	2.5	1.4	1.4
MISSISSIPPI:										
Jackson.....	4.0	5.9	3.3	3.4	5.3	4.9	2.9	3.0	1.3	1.3
MISSOURI.....	3.2	3.4	2.1	2.5	4.9	4.0	1.8	1.8	2.2	1.4
Kansas City.....	3.8	3.3	2.7	2.5	4.9	5.4	2.1	2.4	2.0	2.3
St. Louis.....	2.2	2.7	1.4	1.8	4.2	3.1	1.2	1.2	2.2	1.0
MONTANA.....	4.8	3.5	3.8	2.7	5.3	3.1	2.2	1.8	2.0	.5
NEBRASKA.....	4.9	4.3	4.2	3.8	5.0	5.1	3.4	3.1	.8	1.0
NEVADA.....	5.8	5.5	4.8	5.0	6.8	5.1	3.9	3.3	1.2	.7
NEW HAMPSHIRE.....	4.3	4.3	3.7	3.5	5.0	4.9	3.6	3.2	.7	1.0
NEW JERSEY:										
Camden.....	3.5	3.5	2.5	2.5	4.3	4.2	1.8	1.7	1.5	1.3
Jersey City.....	3.4	3.3	2.4	2.3	4.5	3.9	1.6	1.6	1.8	1.5
Newark.....	3.5	4.9	2.5	2.5	4.2	3.5	1.7	1.6	1.5	.9
Paterson-Clifton-Passaic.....	4.4	3.8	3.0	3.2	5.4	5.3	2.2	2.2	2.3	2.3
Perth Amboy.....	2.9	3.0	2.3	2.4	3.5	5.3	1.8	1.7	.9	2.9
Trenton.....	3.1	3.5	2.5	2.5	3.8	3.6	1.8	2.0	1.2	.8
NEW YORK.....	3.8	3.9	2.3	2.4	4.9	4.4	1.8	1.6	2.2	1.9
Albany-Schenectady-Troy.....	2.7	3.6	1.9	2.2	3.3	3.1	1.4	1.3	.9	.7
Binghamton.....	1.8	1.9	1.2	1.5	2.9	2.8	1.3	1.2	.9	.9
Buffalo.....	2.7	3.0	1.3	1.3	3.1	3.3	1.1	.9	1.2	1.6
Elmira.....	3.6	4.1	2.9	3.3	5.0	3.5	1.8	1.4	2.1	1.0
Monroe County ⁸	1.9	2.1	1.5	1.7	2.6	2.6	1.3	1.2	.8	.8
Nassau and Suffolk Counties ⁹	3.4	3.6	2.5	2.6	5.6	5.3	2.3	2.2	2.4	1.3
New York SMSA.....	4.8	4.6	2.9	3.1	6.2	5.4	2.0	1.9	3.1	2.4
New York City ⁹	5.2	4.9	3.0	3.2	6.6	5.6	2.0	1.9	3.5	2.8
Rochester.....	2.1	2.4	1.6	1.8	3.1	2.9	1.4	1.3	1.1	1.0
Syracuse.....	2.1	2.7	1.4	1.4	3.4	2.8	1.6	1.2	1.2	.8
Utica-Rome.....	2.8	2.7	1.7	1.2	2.9	4.7	1.5	1.1	.9	3.0
Westchester County ⁹	3.7	3.9	2.4	2.7	4.0	4.0	1.8	1.9	1.2	1.2
NORTH CAROLINA.....	4.4	4.2	3.6	3.4	4.7	4.5	3.5	3.2	.3	.5
Charlotte.....	4.9	5.7	4.5	4.2	5.0	5.5	3.9	3.7	.2	.5
Greensboro-Winston-Salem-High Point.....	3.8	3.6	3.0	3.2	4.1	3.9	3.0	2.8	.1	.2
NORTH DAKOTA.....	6.1	4.9	4.1	3.7	5.7	5.8	3.0	2.0	1.9	3.1
Fargo-Moorhead.....	7.0	5.6	4.4	2.0	7.6	16.2	4.1	2.5	2.5	12.7
OHIO.....	3.0	3.4	1.7	2.1	4.3	3.9	1.4	1.4	2.0	1.6
Akron.....	2.6	2.2	1.4	1.3	2.9	2.9	1.3	1.2	1.0	1.1
Canton.....	3.1	3.8	1.6	2.0	5.0	4.7	1.2	1.1	2.7	2.3
Cincinnati.....	3.1	4.9	2.1	3.8	4.2	3.7	1.5	1.6	1.7	1.2
Cleveland.....	2.3	3.1	1.5	2.0	4.5	4.0	1.4	1.6	2.2	1.4
Columbus.....	3.5	3.9	2.3	3.0	4.3	4.1	1.9	2.0	1.6	1.3
Dayton.....	2.7	2.6	1.6	1.3	3.3	3.1	1.1	1.2	1.1	1.0
Toledo.....	4.4	4.2	2.0	2.2	5.4	3.9	1.6	1.1	2.7	1.3
Youngstown-Warren.....	3.7	3.1	1.7	.9	5.1	7.6	.7	.6	3.6	6.2
OKLAHOMA:										
Oklahoma City.....	6.7	7.0	5.4	5.5	6.8	7.7	4.4	3.6	1.4	3.1
Tulsa ¹⁰	6.4	4.9	6.1	4.3	8.7	5.5	3.3	2.9	2.1	1.3
OREGON ¹	4.6	5.0	3.4	3.5	6.2	5.1	2.0	1.9	3.4	2.4
Portland ¹	3.9	4.0	3.0	3.3	7.3	6.1	1.7	1.7	4.9	3.5

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	
	Apr. p 1970	Mar. 1970	Apr. p 1970	Mar. 1970	Apr. p 1970	Mar. 1970	Apr. p 1970	Mar. 1970	Apr. p 1970	Mar. 1970
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	2.4	2.6	1.9	2.2	2.9	2.9	1.6	1.5	0.6	0.8
Altoona	3.5	5.2	2.9	4.5	5.0	3.9	2.7	2.4	1.9	.9
Erie	4.1	4.8	2.8	3.3	4.9	4.3	2.1	2.3	1.7	1.1
Harrisburg	2.4	2.8	1.9	2.1	2.7	3.0	1.6	1.6	.5	.8
Johnstown	3.2	2.4	2.6	1.3	2.3	2.2	1.2	.9	.5	.9
Lancaster	3.5	4.1	3.0	3.3	4.0	4.0	2.7	2.8	.8	.5
Philadelphia	2.7	3.3	2.0	2.2	3.9	3.8	1.6	1.5	1.5	1.5
Pittsburgh	1.8	2.2	.9	1.0	2.4	3.0	.6	.7	1.0	1.6
Reading	3.2	3.1	2.5	2.5	4.3	4.2	2.3	2.2	1.3	1.5
Scranton	3.1	3.0	1.6	1.6	3.4	4.4	1.6	1.2	1.3	2.5
Wilkes-Barre-Hazleton	2.5	3.3	1.8	2.2	4.6	3.6	1.8	1.8	2.0	.9
York	3.6	4.2	2.9	3.5	4.9	5.7	2.8	2.9	1.5	2.1
RHODE ISLAND:										
Providence-Pawtucket-Warwick	4.2	5.1	3.0	3.8	6.7	5.3	2.9	3.0	2.9	1.4
	4.0	4.9	3.1	3.8	6.4	5.1	2.9	2.9	2.6	1.3
SOUTH CAROLINA:										
Greenville	5.8	5.2	4.9	4.3	5.7	4.8	4.3	3.6	.3	.2
SOUTH DAKOTA:										
Sioux Falls	4.9	4.8	2.2	1.9	3.8	5.2	2.0	1.6	1.4	3.1
	7.5	7.7	3.1	3.2	5.4	6.2	2.6	1.3	2.4	4.5
TENNESSEE:										
Memphis	4.5	4.7	3.7	4.0	5.1	4.7	2.4	2.4	1.3	1.0
TEXAS:										
Dallas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
	3.4	3.5	2.9	3.1	4.7	5.4	2.9	2.8	.7	1.6
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
	3.7	3.7	3.5	3.4	4.0	3.6	2.6	2.4	.2	.2
Houston	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH⁵:										
Salt Lake City	(*)	4.3	(*)	2.9	(*)	2.6	(*)	1.5	(*)	.4
	(*)	3.9	(*)	3.2	(*)	3.0	(*)	1.9	(*)	.6
VERMONT:										
Burlington	2.7	2.9	2.1	2.1	4.1	3.4	2.3	1.9	1.2	.9
	2.7	2.8	2.1	2.1	3.1	2.3	1.9	1.5	.8	.5
Springfield	1.1	1.4	.8	1.0	2.6	3.7	1.2	1.3	.9	1.6
VIRGINIA:										
Richmond	3.4	3.4	2.6	2.5	4.0	3.9	2.4	2.3	.9	.8
	2.8	2.7	2.4	2.4	3.9	3.4	1.8	1.9	1.4	.7
WASHINGTON:										
Seattle-Everett ¹¹	2.2	2.1	1.4	1.4	5.8	5.5	1.4	1.4	3.7	3.4
WEST VIRGINIA:										
Charleston	1.2	1.2	.9	.9	.9	1.3	.4	.3	.1	.6
WISCONSIN:										
Milwaukee	2.8	3.3	2.0	2.3	4.4	3.7	1.7	1.5	1.7	1.1
	3.0	3.5	2.2	2.4	5.1	4.2	1.8	1.6	2.3	1.4
WYOMING:										
	4.7	4.0	3.1	3.4	11.4	6.1	3.0	4.0	7.7	1.2

¹ Excludes canning and preserving.

² Less than 0.05.

³ Excludes agricultural chemicals and miscellaneous manufacturing.

⁴ Excludes canned fruits, vegetables, preserves, jams and jellies.

⁵ Excludes canning and preserving, and sugar.

⁶ Excludes canning and preserving, and newspapers.

⁷ 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.

E-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	June 1970	May 1970	June 1969	Changed to June from ¹		June 1970	May 1970	June 1969
				May 1970	June 1969			
TOTAL²	1,573.6	**1,689.3	844.2	-115.7	+729.4	3.0	3.2	1.7
SEASONALLY ADJUSTED	1,965.6	**1,885.5	1,058.5	+80.1	+907.2	3.7	3.6	2.1
Alabama	20.0	20.3	11.3	-.3	+8.7	2.9	2.9	1.7
Alaska	3.9	4.6	2.0	-.7	+1.9	7.6	9.1	4.4
Arizona	9.3	7.6	3.8	+1.7	+5.5	2.6	2.1	1.2
Arkansas	12.6	13.7	7.7	-1.1	+4.9	3.2	3.4	2.0
California*	242.3	259.8	153.5	-17.5	+88.8	4.6	5.0	3.1
Colorado	5.4	6.3	2.6	-.9	+2.9	1.1	1.3	.6
Connecticut	35.7	33.9	18.5	+1.8	+17.2	3.6	3.4	1.9
Delaware	2.7	2.8	1.9	-.1	+.8	1.6	1.7	1.2
District of Columbia	4.9	4.8	4.0	+.1	+.9	1.4	1.4	1.1
Florida	26.2	25.2	15.7	+.9	+10.4	1.8	1.8	1.2
Georgia	19.5	17.7	8.6	+1.8	+10.8	1.8	1.6	.8
Hawaii	4.9	4.5	3.0	+.3	+1.8	2.1	1.9	1.4
Idaho	4.5	**4.8	3.1	-.3	+1.4	3.0	**3.2	2.2
Illinois	82.8	100.6	32.7	-17.8	+50.1	2.6	3.1	1.0
Indiana	28.6	33.8	12.1	-5.2	+16.5	2.0	2.4	.9
Iowa	14.2	13.4	6.2	+.8	+8.0	2.5	2.3	1.1
Kansas	15.5	15.5	6.3	+.1	+9.2	3.5	3.5	1.5
Kentucky	15.5	18.8	9.8	-3.3	+5.7	2.5	3.0	1.7
Louisiana	27.0	30.2	19.0	-3.2	+7.9	3.7	4.2	2.6
Maine	7.9	9.1	5.8	-1.2	+2.1	3.5	4.1	2.6
Maryland	18.9	22.3	10.6	-3.5	+8.2	2.0	2.4	1.2
Massachusetts	64.1	65.8	36.2	-1.7	+28.0	3.8	3.9	2.1
Michigan	90.9	97.8	37.8	-6.9	+53.1	3.7	4.0	1.6
Minnesota	21.4	23.7	6.5	-2.3	+14.9	2.2	2.4	.7
Mississippi	9.4	11.1	5.3	-1.7	+4.0	2.5	2.9	1.5
Missouri	39.8	51.7	25.8	-11.9	+14.0	3.3	4.3	2.2
Montana	3.2	4.9	1.9	-1.7	+1.3	2.6	3.9	1.6
Nebraska	3.8	3.8	1.9	+.1	+2.0	1.3	1.3	.7
Nevada	5.0	5.4	3.0	-.4	+2.0	3.4	3.6	2.2
New Hampshire	2.9	3.1	1.3	-.1	+1.6	1.5	1.6	.7
New Jersey	74.2	79.5	48.2	-5.3	+26.0	3.7	4.0	2.6
New Mexico	6.7	7.4	3.3	-.7	+3.4	3.8	4.2	1.9
New York	184.6	184.4	111.1	+.2	+73.5	3.3	3.2	2.0
North Carolina	26.4	27.5	16.5	-1.2	+9.9	2.0	2.1	1.3
North Dakota	1.3	2.5	.9	-1.2	+.4	1.6	3.0	1.1
Ohio	59.4	69.6	20.5	-10.2	+38.9	2.0	2.4	.7
Oklahoma	13.5	13.8	8.2	-.4	+5.3	2.8	2.9	1.8
Oregon	25.3	28.8	10.1	-3.5	+15.2	4.7	5.3	2.0
Pennsylvania	89.8	97.3	46.8	-7.5	+43.0	2.7	2.9	1.4
Puerto Rico ³	29.7	30.4	21.2	-.6	+8.6	7.9	8.0	5.9
Rhode Island	12.7	14.1	6.5	-1.5	+6.2	4.5	5.0	2.4
South Carolina	14.7	15.0	7.8	-.3	+6.8	2.4	2.5	1.3
South Dakota	1.1	1.2	.7	-.1	+.4	1.2	1.3	.8
Tennessee	29.0	31.4	16.3	-2.4	+12.7	3.0	3.3	1.8
Texas	32.3	32.4	17.6	-.1	+14.7	1.3	1.3	.7
Utah	5.9	7.1	4.4	-1.2	+1.5	2.6	3.2	2.1
Vermont	2.9	3.5	1.5	-.6	+1.5	2.9	3.5	1.5
Virginia	9.0	9.8	5.7	-.8	+3.3	.9	1.0	.6
Washington	71.2	69.7	18.0	+1.8	+53.2	8.6	8.4	2.2
West Virginia	9.8	11.8	7.8	-2.1	+2.0	2.8	3.3	2.2
Wisconsin	30.6	34.0	12.5	-3.4	+18.1	2.7	3.0	1.1
Wyoming . . . . .	.8	1.1	.5	-.2	+.3	1.1	1.5	.8

¹Based on unrounded data; changes of less than 50 not shown.²Include data under the program for Puerto Rico's sugarcane workers. Rates exclude the sugarcane workers as comparable covered employment data are not yet available.³Excludes insured unemployment under extended duration provisions of regular State laws.

**Revised.

UNEMPLOYMENT INSURANCE DATA

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E-2: Insured unemployment¹ in 150 major labor areas²

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

State and area	June 1970	May 1970	State and area	June 1970	May 1970	State and area	June 1970	May 1970	State and area	June 1970	May 1970
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--		
Birmingham.....	3.9	**3.8	Evansville.....	1.6	1.9	Manchester.....	.6	.7	continued		
Mobile.....	2.4	2.3	Ft. Wayne.....	1.2	1.5				York.....	1.9	1.9
			Gary-Hammond..	2.9	2.9						
ARIZONA			Indianapolis....	4.7	5.0	NEW JERSEY			PUERTO RICO*		
Phoenix.....	6.7	5.3	South Bend.....	2.5	2.6	Atlantic City....	2.2	2.5	Mayaguez.....	2.1	1.6
			Terre Haute....	1.0	1.1	Jersey City....	12.0	13.4	Ponce.....	1.7	1.9
						Newark.....	19.3	20.1	San Juan.....	6.0	6.3
						New Brunswick..	7.8	8.0			
						Paterson.....	16.9	17.2			
						Trenton.....	2.0	2.3			
ARKANSAS			IOWA						RHODE ISLAND		
Little Rock.....	1.1	1.3	Cedar Rapids....	1.3	1.2				Providence.....	14.1	15.1
			Des Moines.....	1.1	1.2						
						NEW MEXICO					
CALIFORNIA			KANSAS			Albuquerque....	2.9	2.8			
Anaheim-S. Ana-			Wichita.....	8.3	8.1						
Garden Grove..	15.3	13.7									
Fresno.....	4.9	6.8	KENTUCKY						SOUTH CAROLINA		
Los Angeles....	109.1	113.9	Louisville.....	3.9	4.5				Charleston.....	1.4	1.3
Sacramento....	8.8	9.4				NEW YORK			Greenville.....	1.3	1.3
San Bernardino..	10.1	12.0	LOUISIANA			Albany.....	4.0	3.9			
San Diego.....	14.2	15.3	Baton Rouge....	2.1	3.0	Binghamton....	1.7	1.8			
San Francisco..	38.6	39.0	New Orleans....	7.8	7.7	Buffalo.....	12.8	11.1			
San Jose.....	14.3	14.5	Shreveport.....	2.0	2.1	New York.....	137.3	136.1			
Stockton.....	4.8	6.2				Rochester.....	7.2	7.2			
			MAINE			Syracuse.....	5.0	5.0	TENNESSEE		
			Portland.....	.8	.7	Utica.....	3.4	3.7	Chatanooga....	2.4	2.1
COLORADO									Knoxville.....	2.3	2.5
Denver.....	3.3	3.7	MARYLAND			NORTH CAROLINA			Memphis.....	4.7	5.5
			Baltimore.....	13.2	16.2	Asheville.....	.9	.8	Nashville.....	3.0	3.2
						Charlotte.....	1.6	1.4			
CONNECTICUT			MASSACHUSETTS			Durham.....	.5	.4	TEXAS		
Bridgeport.....	5.7	5.8	Boston.....	29.4	27.9	Greensboro-			Austin.....	.5	.4
Hartford.....	5.6	5.5	Brockton.....	2.1	2.3	Winston-Salem..	3.0	2.9	Beaumont.....	2.2	2.0
New Britain.....	2.3	1.9	Fall River.....	2.8	3.3				Corpus Christi..	.9	.9
New Haven.....	4.3	4.1	Lawrence.....	3.5	3.4	OHIO			Dallas.....	5.1	4.7
Stamford.....	1.3	1.1	Lowell.....	2.8	2.6	Akron.....	3.9	4.7	El Paso.....	1.5	1.7
Waterbury.....	4.4	4.0	New Bedford....	3.5	5.3	Canton.....	2.6	3.8	Ft. Worth.....	2.3	2.3
			Springfield....	7.0	7.4	Cincinnati....	5.5	5.6	Houston.....	3.3	3.1
DELAWARE			Worcester.....	3.3	3.3	Cleveland.....	13.6	17.0	San Antonio....	2.3	2.3
Wilmington.....	2.7	2.7				Columbus.....	3.7	3.8			
			MICHIGAN			Dayton.....	3.7	3.6	UTAH		
DIST. OF COL.			Battle Creek....	2.0	2.2	Hamilton.....	1.1	1.1	Salt Lake City..	3.5	3.9
Washington.....	8.2	8.0	Detroit.....	46.4	47.2	Lorain.....	1.5	1.9			
			Flint.....	3.5	3.2	Steubenville...	.8	.9			
FLORIDA			Grand Rapids...	6.6	7.5	Toledo.....	3.9	4.4	VIRGINIA		
Jacksonville....	.9	.9	Kalamazoo.....	1.8	2.2	Youngstown....	5.0	6.2	Hampton.....	1.2	1.2
Miami.....	8.1	8.0	Lansing.....	2.8	3.1	OKLAHOMA			Norfolk.....	1.1	1.1
Tampa.....	3.4	3.3	Muskegon.....	2.8	3.1	Oklahoma City..	2.2	2.3	Richmond.....	.8	1.0
			Saginaw.....	1.6	1.5	Tulsa.....	3.1	3.0	Roanoke.....	.2	.2
GEORGIA			MINNESOTA			OREGON			WASHINGTON		
Atlanta.....	5.3	4.9	Duluth.....	1.3	1.6	Portland.....	13.9	14.4	Seattle.....	41.0	39.7
Augusta.....	1.6	1.4	Minneapolis....	11.2	10.3				Spokane.....	4.1	3.4
Columbus.....	1.3	1.0							Tacoma.....	7.0	7.4
Macon.....	1.6	1.2	MISSISSIPPI			PENNSYLVANIA					
Savannah.....	.8	.7	Jackson.....	.9	1.0	Allentown.....	3.4	3.7	WEST VIRGINIA		
						Altoona.....	1.0	1.0	Charleston.....	1.1	2.4
HAWAII			MISSOURI			Erie.....	1.7	1.8	Huntington....	1.4	**2.2
Honolulu.....	3.5	3.1	Kansas City....	9.6	9.4	Harrisburg....	1.6	1.8	Wheeling.....	1.1	**1.3
			St. Louis.....	23.0	34.4	Johnstown.....	2.7	3.5			
						Lancaster.....	.9	1.1	WISCONSIN		
ILLINOIS			NEBRASKA			Philadelphia...	39.6	38.2	Kenosha.....	1.3	1.5
Chicago.....	54.1	64.8	Omaha.....	1.8	1.9	Pittsburgh....	16.1	20.0	Madison.....	1.1	1.4
Davenport.....	2.2	2.7				Reading.....	2.4	1.6	Milwaukee....	11.0	11.5
Peoria.....	1.5	1.6				Scranton.....	3.9	4.1	Racine.....	1.6	1.7
Rockford.....	2.8	2.9				Wilkes-Barre...	5.9	6.6			

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.

**Revised.

QUARTERLY AVERAGES

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**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

1: Employment status of the noninstitutional population by sex and age, seasonally adjusted
(In thousands)

Employment status, sex, and age	1970		1969				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
Total													
Total labor force	85,743	85,759	84,982	84,566	83,876	83,596	82,638	82,411	82,265	81,757	81,650	81,080	80,330
Civilian labor force	82,517	82,410	81,495	81,035	80,355	80,111	79,098	78,822	78,729	78,283	78,183	77,625	76,880
Employed	78,533	78,992	78,570	78,090	77,550	77,418	76,409	76,017	75,898	75,392	75,121	74,630	73,911
Agriculture	3,584	3,492	3,439	3,558	3,707	3,754	3,696	3,753	3,874	3,984	3,944	3,855	3,743
Nonagricultural industries	74,948	75,500	75,131	74,532	73,843	73,664	72,713	72,264	72,024	71,408	71,177	70,775	70,168
On part time for economic reasons	2,238	1,891	1,878	1,892	1,757	1,693	1,699	1,747	1,723	1,688	1,893	1,897	1,857
Usually work full time	1,260	1,058	1,023	991	920	885	890	948	907	835	1,028	1,020	1,062
Usually work part time	978	833	855	901	837	807	809	799	816	854	864	877	795
Unemployed	3,985	3,419	2,925	2,945	2,805	2,693	2,689	2,805	2,831	2,891	3,062	2,995	2,969
Men, 20 years and over													
Total labor force	49,986	49,788	49,574	49,511	49,306	49,250	49,003	48,991	48,791	48,540	48,438	48,278	48,097
Civilian labor force	47,193	46,907	46,570	46,455	46,211	46,185	45,928	45,890	45,830	45,748	45,667	45,475	45,205
Employed	45,594	45,639	45,533	45,428	45,279	45,297	45,006	44,900	44,831	44,702	44,603	44,422	44,106
Agriculture	2,610	2,496	2,519	2,636	2,689	2,702	2,727	2,784	2,848	2,910	2,868	2,816	2,777
Nonagricultural industries	42,984	43,143	43,014	42,792	42,590	42,595	42,279	42,116	41,983	41,792	41,735	41,606	41,329
Unemployed	1,599	1,268	1,037	1,027	932	888	922	990	999	1,046	1,064	1,053	1,099
Women, 20 years and over													
Civilian labor force	28,062	28,145	27,771	27,608	27,207	27,091	26,595	26,312	26,212	25,976	26,099	25,656	25,118
Employed	26,757	27,000	26,753	26,561	26,185	26,119	25,641	25,327	25,235	24,954	24,980	24,564	24,073
Agriculture	570	600	565	555	613	668	619	575	610	650	671	623	581
Nonagricultural industries	26,186	26,401	26,188	26,006	25,572	25,451	25,022	24,752	24,625	24,304	24,309	23,941	23,492
Unemployed	1,305	1,144	1,018	1,047	1,022	972	954	985	977	1,022	1,119	1,092	1,045
Both sexes, 16-19 years													
Civilian labor force	7,263	7,358	7,154	6,972	6,937	6,835	6,575	6,620	6,687	6,559	6,417	6,494	6,557
Employed	6,182	6,352	6,284	6,101	6,086	6,002	5,962	5,790	5,832	5,736	5,538	5,644	5,732
Agriculture	404	396	355	367	405	384	350	394	416	424	405	416	385
Nonagricultural industries	5,778	5,957	5,929	5,734	5,681	5,618	5,412	5,396	5,416	5,312	5,133	5,228	5,347
Unemployed	1,080	1,006	870	871	851	833	813	830	855	823	879	850	825

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

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

2: 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				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
Full time													
Total 16 years and over:													
Civilian labor force	70,860	70,529	70,214	70,032	69,401	69,120	68,508	68,342	68,354	68,059	68,064	67,659	67,172
Employed ¹	67,682	67,908	68,022	67,827	67,243	67,059	66,517	66,225	66,224	65,801	65,703	65,385	64,844
Unemployed	3,177	2,621	2,192	2,205	2,158	2,061	1,991	2,117	2,130	2,258	2,361	2,274	2,328
Unemployment rate	4.5	3.7	3.1	3.1	3.1	3.0	2.9	3.1	3.1	3.3	3.5	3.4	3.5
Men, 20 years and over:													
Civilian labor force	44,975	44,618	44,451	44,321	44,145	44,083	43,922	43,916	43,907	43,787	43,754	43,573	43,442
Employed ¹	43,506	43,456	43,520	43,429	43,296	43,282	43,101	43,033	43,009	42,827	42,789	42,629	42,432
Unemployed	1,469	1,162	931	891	849	801	821	883	898	960	965	944	1,010
Unemployment rate	3.3	2.6	2.1	2.0	1.9	1.8	1.9	2.0	2.0	2.2	2.2	2.2	2.3
Women, 20 years and over:													
Civilian labor force	22,014	22,031	21,842	21,867	21,576	21,390	20,991	20,773	20,742	20,594	20,627	20,459	20,087
Employed ¹	20,941	21,134	21,081	21,036	20,748	20,609	20,254	20,016	19,990	19,782	19,766	19,617	19,240
Unemployed	1,072	897	761	831	828	781	737	757	752	812	861	842	847
Unemployment rate	4.9	4.1	3.5	3.8	3.8	3.7	3.5	3.6	3.6	3.9	4.2	4.1	4.2
Both sexes, 16-19 years:													
Civilian labor force	3,871	3,880	3,921	3,844	3,679	3,648	3,595	3,653	3,705	3,678	3,683	3,627	3,643
Employed ¹	3,235	3,318	3,421	3,361	3,198	3,168	3,162	3,176	3,225	3,192	3,148	3,139	3,172
Unemployed	636	562	500	483	481	480	433	477	480	486	535	488	471
Unemployment rate	16.4	14.5	12.8	12.6	13.1	13.2	12.0	13.1	13.0	13.2	14.5	13.5	12.9
Part time													
Total 16 years and over:													
Civilian labor force	11,610	11,798	11,312	10,996	10,899	10,887	10,600	10,503	10,392	10,137	10,166	9,951	9,734
Employed ¹	10,813	10,961	10,599	10,262	10,254	10,220	9,938	9,834	9,680	9,457	9,475	9,268	9,088
Unemployed	797	837	713	734	645	667	662	669	712	680	691	683	646
Unemployment rate	6.9	7.1	6.3	6.7	5.9	6.1	6.2	6.4	6.9	6.7	6.8	6.9	6.6
Men, 20 years and over:													
Civilian labor force	2,229	2,274	2,118	2,135	2,087	2,076	2,006	1,960	1,958	1,915	1,919	1,884	1,804
Employed ¹	2,097	2,159	2,015	2,011	2,000	1,984	1,914	1,867	1,850	1,819	1,825	1,793	1,713
Unemployed	132	114	103	124	88	92	92	93	108	96	94	91	91
Unemployment rate	5.9	5.0	4.9	5.8	4.2	4.4	4.6	4.7	5.5	5.0	4.9	4.8	5.0
Women, 20 years and over:													
Civilian labor force	6,067	6,121	5,855	5,746	5,661	5,685	5,534	5,559	5,506	5,363	5,377	5,199	5,098
Employed ¹	5,825	5,854	5,619	5,533	5,463	5,478	5,331	5,340	5,271	5,133	5,137	4,968	4,889
Unemployed	242	268	236	213	198	207	203	219	235	230	240	231	209
Unemployment rate	4.0	4.4	4.0	3.7	3.5	3.6	3.7	3.9	4.3	4.3	4.5	4.4	4.1
Both sexes, 16-19 years:													
Civilian labor force	3,313	3,403	3,338	3,114	3,151	3,126	3,060	2,984	2,928	2,859	2,870	2,868	2,832
Employed ¹	2,890	2,948	2,964	2,717	2,792	2,758	2,693	2,627	2,559	2,505	2,513	2,507	2,486
Unemployed	423	455	374	397	359	367	367	357	369	354	357	361	346
Unemployment rate	12.8	13.4	11.2	12.7	11.4	11.7	12.0	12.0	12.6	12.4	12.4	12.6	12.2

¹Persons 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
QUARTERLY AVERAGES**

3: Employment status by color, sex, and age, seasonally adjusted
(In thousands)

Characteristics	1970		1969				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
White													
Total:													
Civilian labor force	73,263	73,316	72,475	71,942	71,466	71,285	70,392	70,045	69,851	69,587	69,440	68,944	68,210
Employed	70,059	70,527	70,096	69,575	69,260	69,135	68,267	67,804	67,617	67,311	67,032	66,576	65,888
Unemployed	3,204	2,789	2,379	2,367	2,206	2,150	2,125	2,241	2,234	2,276	2,408	2,368	2,322
Unemployment rate	4.4	3.8	3.3	3.3	3.1	3.0	3.0	3.2	3.2	3.3	3.5	3.4	3.4
Males, 20 years and over:													
Civilian labor force	42,463	42,245	41,956	41,842	41,639	41,656	41,423	41,373	41,235	41,230	41,175	40,972	40,673
Employed	41,131	41,180	41,091	40,995	40,871	40,926	40,677	40,553	40,405	40,376	40,300	40,101	39,772
Unemployed	1,332	1,065	865	847	768	730	746	820	830	854	875	871	901
Unemployment rate	3.1	2.5	2.1	2.0	1.8	1.8	1.8	2.0	2.0	2.1	2.1	2.1	2.2
Females, 20 years and over:													
Civilian labor force	24,378	24,513	24,156	23,949	23,684	23,566	23,122	22,843	22,741	22,565	22,632	22,276	21,775
Employed	23,347	23,587	23,327	23,120	22,891	22,794	22,372	22,066	21,987	21,777	21,766	21,416	20,963
Unemployed	1,032	926	829	829	793	772	750	777	754	788	866	860	812
Unemployment rate	4.2	3.8	3.4	3.5	3.3	3.3	3.2	3.4	3.3	3.5	3.8	3.9	3.7
Both sexes, 16 to 19 years:													
Civilian labor force	6,422	6,558	6,363	6,151	6,143	6,063	5,847	5,829	5,875	5,792	5,633	5,696	5,762
Employed	5,581	5,760	5,678	5,460	5,498	5,415	5,218	5,185	5,225	5,158	4,966	5,059	5,153
Unemployed	841	798	685	691	645	648	629	644	650	634	667	637	609
Unemployment rate	13.1	12.2	10.8	11.2	10.5	10.7	10.8	11.0	11.1	10.9	11.8	11.2	10.6
Negro and other races													
Total:													
Civilian labor force	9,226	9,224	9,056	8,979	8,867	8,914	8,737	8,700	8,828	8,762	8,733	8,632	8,632
Employed	8,447	8,598	8,500	8,394	8,271	8,371	8,164	8,132	8,233	8,147	8,073	8,006	7,986
Unemployed	779	626	556	585	596	543	573	568	595	615	660	626	646
Unemployment rate	8.4	6.8	6.1	6.5	6.7	6.1	6.6	6.5	6.7	7.0	7.6	7.3	7.5
Males, 20 years and over:													
Civilian labor force	4,706	4,700	4,622	4,593	4,549	4,554	4,513	4,517	4,562	4,543	4,496	4,507	4,505
Employed	4,434	4,498	4,445	4,416	4,382	4,397	4,335	4,349	4,388	4,351	4,305	4,328	4,303
Unemployed	272	201	177	177	167	157	178	168	174	192	191	179	202
Unemployment rate	5.8	4.3	3.8	3.9	3.7	3.4	3.9	3.7	3.8	4.2	4.2	4.0	4.5
Females, 20 years and over:													
Civilian labor force	3,688	3,682	3,616	3,595	3,535	3,550	3,468	3,414	3,467	3,433	3,444	3,348	3,347
Employed	3,416	3,468	3,429	3,372	3,307	3,352	3,264	3,205	3,246	3,200	3,191	3,112	3,115
Unemployed	272	215	187	223	228	198	204	209	221	233	253	236	232
Unemployment rate	7.4	5.8	5.2	6.2	6.4	5.6	5.9	6.1	6.4	6.8	7.3	7.0	6.9
Both sexes, 16 to 19 years:													
Civilian labor force	832	842	818	791	783	810	756	769	799	786	793	777	780
Employed	597	632	626	606	582	622	565	578	599	596	577	566	568
Unemployed	235	210	192	185	201	188	191	191	200	190	216	211	212
Unemployment rate	28.2	24.9	23.5	23.4	25.7	23.2	25.3	24.8	25.0	24.2	27.2	27.2	27.2

4: Unemployed persons by duration of unemployment, seasonally adjusted

(In thousands)

Duration of unemployment	1970		1969				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
Less than 5 weeks	2,158	1,908	1,652	1,686	1,670	1,531	1,523	1,618	1,618	1,603	1,641	1,651	1,654
5 to 14 weeks	1,197	1,028	896	891	733	792	808	807	799	821	963	913	888
15 weeks and over	622	473	381	392	389	345	353	409	408	466	466	442	434
15 to 26 weeks	391	315	251	241	255	227	219	254	253	289	290	264	270
27 weeks and over	231	158	130	151	134	118	133	154	155	178	175	178	164
Average (mean) duration	8.9	8.1	7.8	8.0	8.2	8.0	8.1	8.3	8.6	9.0	8.7	8.5	8.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

5: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1970		1969				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
Total (all civilian workers).....	4.8	4.1	3.6	3.6	3.5	3.4	3.4	3.6	3.6	3.7	3.9	3.9	3.9
Men, 20 years and over.....	3.4	2.7	2.2	2.2	2.0	1.9	2.0	2.2	2.2	2.3	2.3	2.3	2.4
Women, 20 years and over.....	4.7	4.1	3.7	3.8	3.8	3.6	3.6	3.7	3.7	3.9	4.3	4.3	4.2
Both sexes, 16-19 years.....	14.9	13.7	12.2	12.5	12.3	12.2	12.4	12.5	12.8	12.5	13.7	13.1	12.6
White.....	4.4	3.8	3.3	3.3	3.1	3.0	3.0	3.2	3.2	3.3	3.5	3.4	3.4
Negro and other races.....	8.4	6.8	6.1	6.5	6.7	6.1	6.6	6.5	6.7	7.0	7.6	7.3	7.5
Married men.....	2.5	2.0	1.6	1.6	1.5	1.4	1.5	1.6	1.6	1.7	1.8	1.8	1.9
Full-time workers.....	4.5	3.7	3.1	3.1	3.1	3.0	2.9	3.1	3.1	3.3	3.5	3.3	3.5
Part-time workers.....	6.9	7.1	6.3	6.7	5.9	6.1	6.4	6.4	6.8	6.5	7.0	7.0	6.6
Unemployed 15 weeks and over ¹	7.7	6.6	5.5	5.5	5.5	5.4	5.4	5.5	5.5	5.6	5.6	5.6	5.6
State insured ²	3.5	2.6	2.3	2.2	2.1	2.1	2.1	2.2	2.2	2.3	2.4	2.6	2.7
Labor force time lost ³	5.1	4.5	4.1	4.1	3.8	3.7	3.8	4.0	3.9	4.1	4.4	4.3	4.1
Occupation													
White-collar workers.....	2.8	2.4	2.2	2.2	2.0	2.0	1.9	2.0	2.0	2.0	2.2	2.2	2.0
Professional and technical.....	1.9	1.9	1.5	1.4	1.3	1.1	1.2	1.3	1.2	1.2	1.3	1.3	1.4
Managers, officials, and proprietors.....	1.3	1.0	.9	1.0	.9	.9	1.0	1.1	.9	.9	1.0	.9	.9
Clerical workers.....	4.0	3.3	3.2	3.2	2.8	2.9	2.8	2.9	3.0	3.1	3.4	3.3	2.8
Sales workers.....	4.0	3.2	2.8	3.0	2.9	2.9	2.8	2.6	2.7	3.0	3.2	3.6	2.9
Blue-collar workers.....	6.0	4.9	4.3	4.0	3.8	3.7	3.8	4.2	4.0	4.4	4.5	4.5	4.6
Craftsmen and foremen.....	3.9	2.6	2.2	2.2	2.1	2.1	2.2	2.4	2.4	2.5	2.5	2.3	2.8
Operatives.....	6.6	5.7	5.0	4.4	4.3	4.1	4.3	4.5	4.3	4.8	5.1	5.1	5.0
Nonfarm laborers.....	9.4	7.9	6.9	7.2	6.5	6.4	6.7	7.4	7.0	7.7	7.8	7.6	8.0
Service workers.....	5.0	4.7	3.9	4.5	4.4	4.0	4.3	4.5	4.6	4.3	4.9	4.5	4.2
Farm workers.....	2.5	2.1	1.8	2.2	1.9	1.6	1.6	2.4	2.3	1.9	2.3	2.4	2.4
Industry													
Private wage and salary workers ⁴	5.1	4.2	3.7	3.7	3.5	3.4	3.4	3.6	3.6	3.7	4.0	4.0	3.9
Construction.....	10.3	7.7	6.2	6.8	5.6	5.7	6.0	6.4	6.8	7.8	6.9	6.6	8.1
Manufacturing.....	5.1	4.4	3.7	3.3	3.2	3.1	3.1	3.3	3.2	3.4	3.7	3.9	3.8
Durable goods.....	5.0	4.4	3.5	2.9	3.0	2.7	2.9	3.0	2.8	3.1	3.4	3.6	3.6
Nondurable goods.....	5.3	4.3	4.0	3.8	3.4	3.6	3.4	3.7	3.8	3.9	4.2	4.2	4.1
Transportation and public utilities.....	3.5	2.8	2.5	2.0	2.2	2.0	2.0	2.3	1.6	2.0	2.4	2.3	2.4
Wholesale and retail trade.....	5.3	4.6	4.0	4.3	4.2	3.9	4.0	3.9	4.0	4.2	4.5	4.5	3.8
Finance and service industries.....	4.0	3.4	3.0	3.5	3.3	3.1	3.1	3.5	3.5	3.4	3.7	3.6	3.4
Government wage and salary workers.....	2.1	2.1	2.2	1.9	1.7	1.7	1.7	1.9	1.8	1.9	2.1	1.7	1.9
Agricultural wage and salary workers.....	6.9	6.2	6.0	7.3	5.6	5.4	5.4	7.5	6.7	5.6	6.8	7.5	7.0

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
QUARTERLY AVERAGES**

6: Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1970		1969				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
Total, 16 years and over	4.8	4.1	3.6	3.6	3.5	3.4	3.4	3.6	3.6	3.7	3.9	3.9	3.9
16 to 19 years	14.9	13.7	12.2	12.5	12.3	12.2	12.4	12.5	12.8	12.6	13.7	13.1	12.6
16 and 17 years	16.8	16.4	14.8	15.5	14.1	13.8	14.3	14.2	14.7	15.1	15.4	14.8	14.1
18 and 19 years	13.6	11.9	10.0	10.3	11.0	11.1	10.8	11.3	11.4	11.0	12.2	11.8	11.6
20 to 24 years	7.8	6.7	6.0	5.9	5.5	5.4	5.8	5.8	5.8	6.0	5.9	6.0	5.5
25 years and over	3.2	2.7	2.3	2.3	2.2	2.1	2.1	2.3	2.3	2.4	2.6	2.6	2.7
25 to 54 years	3.3	2.7	2.3	2.4	2.3	2.2	2.2	2.3	2.3	2.4	2.7	2.6	2.7
55 years and over	3.0	2.3	2.1	2.1	1.9	1.9	2.1	2.1	2.2	2.3	2.5	2.3	2.5
Males, 16 years and over	4.3	3.5	2.9	2.9	2.7	2.7	2.7	2.8	2.9	3.0	3.1	3.0	3.2
16 to 19 years	15.0	12.7	11.5	11.7	11.2	11.4	11.3	11.1	11.6	12.0	13.1	12.2	12.7
16 and 17 years	16.8	15.0	13.7	14.9	13.3	13.1	13.7	13.2	14.3	13.9	15.4	14.5	14.6
18 and 19 years	13.9	10.9	9.3	9.0	9.4	10.0	9.4	9.4	9.2	10.3	11.1	10.2	11.2
20 to 24 years	7.6	6.5	5.7	5.4	4.8	4.8	4.9	5.1	5.2	5.2	5.1	4.9	4.6
25 years and over	2.8	2.2	1.8	1.8	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1
25 to 54 years	2.8	2.1	1.6	1.7	1.6	1.5	1.6	1.7	1.7	1.8	1.8	1.9	2.0
55 years and over	2.9	2.4	2.1	2.0	1.7	1.8	1.9	2.0	2.1	2.3	2.6	2.2	2.6
Females, 16 years and over	5.7	5.2	4.6	4.8	4.8	4.5	4.6	4.8	4.8	4.9	5.3	5.3	5.0
16 to 19 years	14.7	14.9	13.0	13.5	13.8	13.2	13.6	14.3	14.3	13.3	14.2	14.2	12.6
16 and 17 years	16.9	18.3	16.3	16.2	15.2	14.8	15.2	15.8	15.2	16.8	15.5	15.3	13.4
18 and 19 years	13.3	13.1	10.7	11.7	12.9	12.5	12.5	13.4	13.7	11.8	13.4	13.6	12.1
20 to 24 years	8.0	7.0	6.4	6.4	6.4	6.1	6.8	6.5	6.5	6.9	6.9	7.3	6.5
25 years and over	3.9	3.5	3.1	3.3	3.2	3.1	3.0	3.2	3.1	3.4	3.8	3.7	3.7
25 to 54 years	4.2	3.8	3.4	3.6	3.5	3.4	3.2	3.5	3.4	3.6	4.3	4.0	4.1
55 years and over	3.2	2.2	2.1	2.3	2.2	2.1	2.3	2.2	2.2	2.5	2.3	2.6	2.3

7: Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reason for unemployment	1970		1969				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
Number of unemployed													
Lost last job	1,818	1,365	1,071	994	1,045	971	967	1,042	1,049	1,178	1,242	1,215	1,303
Left last job	564	466	431	456	432	421	407	431	437	453	467	441	441
Reentered labor force	1,137	1,140	998	1,029	919	933	888	920	924	880	912	893	919
Never worked before	494	488	393	444	408	410	402	402	412	407	418	424	432
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	45.3	39.5	37.0	34.0	37.3	35.5	36.3	37.3	37.2	40.4	40.9	40.9	42.1
Left last job	14.1	13.5	14.9	15.6	15.4	15.4	15.3	15.4	15.5	15.5	15.4	14.8	14.2
Reentered labor force	28.3	33.0	34.5	35.2	32.8	34.1	33.3	32.9	32.7	30.2	30.0	30.0	29.7
Never worked before	12.3	14.1	13.6	15.2	14.6	15.0	15.1	14.4	14.6	13.9	13.8	14.3	14.0
Unemployed as a percent of the civilian labor force													
Lost last job	2.2	1.7	1.3	1.2	1.3	1.2	1.2	1.3	1.3	1.5	1.6	1.6	1.7
Left last job .....	.7	.6	.5	.6	.5	.5	.5	.5	.6	.6	.6	.6	.6
Reentered labor force	1.4	1.4	1.2	1.3	1.1	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.2
Never worked before .....	.6	.6	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.6

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**
8: Employed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1970		1969				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
Total													
16 years and over	78,533	78,992	78,570	78,090	77,550	77,418	76,409	76,017	75,898	75,392	75,121	74,630	73,911
16 to 19 years	6,182	6,352	6,284	6,101	6,086	6,002	5,762	5,790	5,832	5,736	5,538	5,644	5,732
16 and 17 years	2,609	2,749	2,666	2,538	2,565	2,545	2,390	2,399	2,432	2,383	2,333	2,322	2,299
18 and 19 years	3,567	3,645	3,638	3,537	3,513	3,489	3,391	3,368	3,391	3,361	3,212	3,310	3,421
20 to 24 years	9,588	9,592	9,468	9,425	9,252	9,133	8,910	8,819	8,662	8,660	8,686	8,573	8,445
25 years and over	62,754	63,081	62,826	62,550	62,204	62,312	61,748	61,402	61,391	60,999	60,921	60,408	59,719
25 to 54 years	48,692	48,904	48,722	48,411	48,153	48,270	47,807	47,541	47,560	47,367	47,148	46,758	46,266
55 years and over	14,045	14,250	14,096	14,094	14,039	14,077	13,924	13,831	13,807	13,677	13,730	13,624	13,434
Male													
16 years and over	48,986	49,192	49,024	48,826	48,699	48,729	48,312	48,173	48,098	47,855	47,705	47,607	47,292
16 to 19 years	3,392	3,553	3,491	3,398	3,420	3,432	3,306	3,273	3,267	3,153	3,102	3,185	3,186
16 and 17 years	1,498	1,580	1,562	1,512	1,516	1,537	1,453	1,448	1,461	1,446	1,432	1,419	1,373
18 and 19 years	1,886	1,995	1,949	1,871	1,894	1,918	1,867	1,815	1,797	1,722	1,678	1,759	1,802
20 to 24 years	5,185	5,122	5,083	5,069	5,005	4,884	4,858	4,806	4,764	4,821	4,843	4,855	4,790
25 years and over	40,395	40,535	40,447	40,361	40,260	40,425	40,151	40,102	40,052	39,890	39,776	39,574	39,300
25 to 54 years	31,326	31,388	31,383	31,303	31,240	31,353	31,145	31,064	31,048	30,992	30,846	30,688	30,495
55 years and over	9,059	9,179	9,073	9,042	9,012	9,091	9,009	9,023	8,992	8,916	8,916	8,873	8,789
Female													
16 years and over	29,547	29,800	29,546	29,264	28,851	28,689	28,097	27,844	27,800	27,537	27,416	27,023	26,619
16 to 19 years	2,790	2,800	2,793	2,703	2,666	2,570	2,456	2,517	2,565	2,583	2,436	2,459	2,546
16 and 17 years	1,111	1,169	1,104	1,026	1,049	1,008	937	951	971	937	901	903	926
18 and 19 years	1,681	1,650	1,689	1,666	1,619	1,571	1,524	1,553	1,594	1,639	1,534	1,551	1,619
20 to 24 years	4,403	4,470	4,385	4,356	4,247	4,249	4,052	4,013	3,898	3,839	3,843	3,718	3,655
25 years and over	22,359	22,546	22,379	22,189	21,944	21,887	21,597	21,300	21,339	21,109	21,145	20,834	20,419
25 to 54 years	17,366	17,516	17,339	17,108	16,913	16,917	16,662	16,477	16,512	16,375	16,302	16,070	15,771
55 years and over	4,986	5,071	5,023	5,052	5,027	4,986	4,915	4,808	4,815	4,761	4,814	4,751	4,645

9: Employed persons by major occupation group, seasonally adjusted

(In thousands)

Occupation group	1970		1969				1968				1967		
	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd
White-collar workers	37,981	37,938	37,509	36,923	36,677	36,264	35,906	35,732	35,419	35,140	34,888	34,456	33,943
Professional and technical	11,129	11,026	10,936	10,764	10,740	10,638	10,473	10,392	10,295	10,142	10,067	9,952	9,761
Managers, officials, and proprietors	8,290	8,215	8,141	7,970	7,993	7,841	7,897	7,827	7,661	7,716	7,633	7,630	7,453
Clerical workers	13,748	13,906	13,655	13,478	13,281	13,171	12,876	12,823	12,816	12,694	12,624	12,343	12,250
Sales workers	4,815	4,791	4,777	4,711	4,663	4,614	4,660	4,690	4,647	4,588	4,564	4,531	4,479
Blue-collar workers	27,663	28,236	28,389	28,425	27,931	28,202	27,774	27,491	27,513	27,297	27,279	27,343	27,175
Craftsmen and foremen	10,109	10,264	10,265	10,174	10,044	10,298	10,147	9,972	10,003	9,936	9,827	9,790	9,853
Operatives	13,891	14,168	14,412	14,589	14,208	14,264	14,051	13,911	13,956	13,896	13,918	13,999	13,787
Nonfarm laborers	3,663	3,804	3,712	3,662	3,679	3,640	3,576	3,608	3,554	3,465	3,534	3,554	3,535
Service workers	9,589	9,673	9,589	9,493	9,467	9,558	9,411	9,385	9,395	9,337	9,330	9,277	9,276
Farmers and farm laborers	3,234	3,153	3,089	3,231	3,417	3,438	3,346	3,400	3,507	3,649	3,654	3,556	3,448

HOUSEHOLD DATA QUARTERLY AVERAGES

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Table 1. Labor force status of civilian noninstitutional population by age, sex, and reasons for nonparticipation
2nd Quarter 1970

Labor force status and reasons for nonparticipation	Total	Age in years							
		16-19	20-24	25-34	35-44	45-54	55-59	60-64	65 and over
Total									
Civilian noninstitutional population (in thousands)	136,646	14,453	15,165	24,328	22,519	23,037	9,900	8,303	18,943
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	60.4	50.3	68.6	69.6	73.1	73.3	68.6	54.6	17.3
Not in labor force	39.6	49.7	31.4	30.4	26.9	26.7	31.4	45.4	82.7
In school	5.3	37.7	9.7	1.0	.3	.1	(1)	(1)	.1
Ill health, disability	3.2	.5	1.0	1.2	1.9	3.1	4.9	7.3	8.3
Home responsibilities	24.4	5.5	17.6	26.6	23.4	21.4	23.0	29.6	44.9
Retirement, old age	4.3	--	--	--	(1)	.1	.5	6.4	27.6
Think cannot get job . . . . .	.4	.6	.4	.3	.3	.5	.4	.4	.5
All other reasons	2.0	5.4	2.6	1.3	1.0	1.5	2.6	1.6	1.3
Male									
Civilian noninstitutional population (in thousands)	64,078	7,110	6,757	11,698	10,824	11,044	4,709	3,866	8,072
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	80.1	57.7	83.3	96.4	97.2	94.3	89.8	76.1	27.6
Not in labor force	19.9	42.3	16.7	3.6	2.8	5.7	10.2	23.9	72.4
In school	5.7	36.2	12.7	1.5	.2	.1	(1)	--	--
Ill health, disability	3.5	.5	.7	.9	1.6	3.5	5.9	9.7	10.1
Home responsibilities . . . . .	.3	.1	(1)	(1)	.1	.1	.2	.2	1.6
Retirement, old age	8.0	--	--	--	(1)	.1	1.0	11.1	57.6
Think cannot get job . . . . .	.3	.7	.4	.2	.1	.3	.1	.2	.5
All other reasons	2.1	4.8	2.8	1.0	.8	1.5	2.9	2.7	2.6
Female									
Civilian noninstitutional population (in thousands)	72,568	7,343	8,408	12,630	11,694	11,993	5,191	4,437	10,871
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	43.1	43.2	56.8	44.9	50.9	54.0	49.4	35.9	9.7
Not in labor force	56.9	56.8	43.2	55.1	49.1	46.0	50.6	64.1	90.3
In school	5.0	39.1	7.3	.6	.3	.2	--	(1)	.1
Ill health, disability	2.9	.4	1.3	1.4	2.1	2.8	3.9	5.3	7.0
Home responsibilities	45.7	10.6	31.7	51.1	45.0	41.0	43.7	55.3	77.0
Retirement, old age . . . . .	.9	--	--	--	--	(1)	--	2.3	5.3
Think cannot get job . . . . .	.5	.6	.5	.3	.6	.6	.7	.5	.5
All other reasons	1.9	6.1	2.5	1.6	1.2	1.5	2.3	.6	.3

1/ Less than 0.05 percent.

HOUSEHOLD DATA QUARTERLY AVERAGES

Table 2. Reasons for nonparticipation in labor force by age and sex

Nonparticipants by reason for status	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969
Thousands of persons										
Total	54,062	53,506	7,182	7,117	4,758	4,589	22,693	22,769	19,430	19,032
In school	7,275	7,293	5,445	5,501	1,469	1,391	346	382	14	19
Ill health, disability	4,312	4,370	67	54	155	139	1,901	2,040	2,189	2,136
Home responsibilities	33,357	32,762	792	739	2,668	2,623	18,939	18,826	10,958	10,574
Retirement, old age	5,827	5,802	--	--	--	--	67	79	5,759	5,723
Think cannot get job	580	535	92	97	68	42	287	225	132	170
All other reasons	2,712	2,745	786	724	398	393	1,152	1,217	376	411
Male	12,748	12,504	3,011	2,982	1,127	1,054	1,843	1,774	6,767	6,695
In school	3,645	3,581	2,576	2,592	860	798	208	188	--	2
Ill health, disability	2,223	2,234	36	24	47	53	949	988	1,191	1,169
Home responsibilities	184	147	9	3	2	7	38	45	134	92
Retirement, old age	5,140	5,123	--	--	--	--	65	73	5,075	5,049
Think cannot get job	202	149	49	39	29	10	73	24	50	75
All other reasons	1,353	1,271	339	324	191	187	508	453	316	308
Female	41,314	41,002	4,170	4,135	3,631	3,536	20,850	20,995	12,663	12,337
In school	3,630	3,712	2,869	2,909	611	593	137	193	14	17
Ill health, disability	2,089	2,136	31	32	108	86	951	1,052	998	967
Home responsibilities	33,173	32,615	782	736	2,666	2,617	18,899	18,781	10,824	10,482
Retirement, old age	686	679	--	--	--	--	2	6	684	673
Think cannot get job	378	386	42	58	40	33	216	201	81	94
All other reasons	1,358	1,474	447	400	207	206	644	764	61	103
Percent distribution										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	13.5	13.6	75.8	77.3	30.9	30.3	1.5	1.7	--	.1
Ill health, disability	8.0	8.2	.9	.8	3.3	3.0	8.4	9.0	11.3	11.2
Home responsibilities	61.7	61.2	11.0	10.4	56.1	57.2	83.5	82.7	56.4	55.6
Retirement, old age	10.8	10.8	--	--	--	--	.3	.3	29.6	30.1
Think cannot get job	1.1	1.0	1.3	1.4	1.4	.9	1.3	1.0	.7	.9
All other reasons	5.0	5.1	10.9	10.2	8.4	8.6	5.1	5.3	1.9	2.2
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	28.6	28.6	85.6	86.9	76.2	75.6	11.3	10.6	--	(1)
Ill health, disability	17.4	17.9	1.2	.8	4.2	5.0	51.5	55.8	17.6	17.5
Home responsibilities	1.4	1.2	.3	.1	.2	.7	2.1	2.5	2.0	1.4
Retirement, old age	40.3	41.0	--	--	--	--	3.5	4.1	75.0	75.4
Think cannot get job	1.6	1.2	1.6	1.3	2.6	.9	4.0	1.4	.7	1.1
All other reasons	10.6	10.2	11.3	10.9	16.9	17.7	27.6	25.6	4.7	4.6
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	8.8	9.1	68.8	70.4	16.8	16.8	.7	.9	.1	.1
Ill health, disability	5.1	5.2	.7	.8	3.0	2.4	4.6	5.0	7.9	7.8
Home responsibilities	80.3	79.5	18.7	17.8	73.4	74.0	90.6	89.4	85.5	85.0
Retirement, old age	1.7	1.7	--	--	--	--	--	(1)	5.4	5.5
Think cannot get job .....	.9	.9	1.0	1.4	1.1	.9	1.0	1.0	.6	.8
All other reasons	3.3	3.6	10.7	9.7	5.7	5.8	3.1	3.6	.5	.8

1/ Less than 0.05 percent.

HOUSEHOLD DATA QUARTERLY AVERAGES

Table 3. Reasons for nonparticipation in labor force by age, color, and sex

Nonparticipants by reason for status	Total		Age in years					
			16-24		25-59		60 and over	
	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969
White								
Male (in thousands)	11,183	11,004	3,499	3,439	1,487	1,449	6,197	6,117
In school	3,098	3,060	2,928	2,897	171	160	--	2
Ill health, disability	1,852	1,825	63	60	760	786	1,028	978
Home responsibilities	148	127	7	10	30	36	111	82
Retirement, old age	4,790	4,793	--	--	59	67	4,731	4,726
Think cannot get job	144	116	61	43	43	19	40	55
All other reasons	1,152	1,083	441	429	423	380	287	273
Female (in thousands)	37,284	37,035	6,666	6,568	18,935	19,091	11,683	11,376
In school	3,065	3,165	2,939	3,001	112	154	14	11
Ill health, disability	1,639	1,688	103	87	734	785	802	817
Home responsibilities	30,446	30,010	3,002	2,921	17,353	17,329	10,091	9,759
Retirement, old age	650	619	--	--	2	6	649	613
Think cannot get job	306	304	67	64	172	155	68	86
All other reasons	1,179	1,249	556	497	563	663	61	88
Male (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	27.7	27.8	83.7	84.2	11.5	11.0	--	(1)
Ill health, disability	16.6	16.6	1.8	1.7	51.1	54.3	16.6	16.0
Home responsibilities	1.3	1.2	.2	.3	2.1	2.5	1.8	1.3
Retirement, old age	42.8	43.6	--	--	4.0	4.6	76.3	77.3
Think cannot get job	1.3	1.1	1.7	1.3	2.9	1.3	.6	.9
All other reasons	10.3	9.8	12.6	12.5	28.5	26.2	4.6	4.5
Female (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	8.2	8.5	44.1	45.7	.6	.8	.1	.1
Ill health, disability	4.4	4.6	1.5	1.3	3.9	4.1	6.9	7.2
Home responsibilities	81.7	81.0	45.0	44.5	91.6	90.8	86.4	85.8
Retirement, old age	1.7	1.7	--	--	(1)	(1)	5.6	5.4
Think cannot get job . . . . .	.8	.8	1.0	1.0	.9	.8	.6	.8
All other reasons	3.2	3.4	8.3	7.6	3.0	3.5	.5	.8
Negro and other races								
Male (in thousands)	1,564	1,500	639	596	356	324	569	579
In school	547	520	508	493	39	28	--	--
Ill health, disability	371	409	20	15	189	203	163	190
Home responsibilities	36	20	3	--	9	9	23	10
Retirement, old age	350	330	--	--	6	6	344	324
Think cannot get job	57	33	17	7	29	5	11	20
All other reasons	203	189	89	82	86	72	28	34
Female (in thousands)	4,030	3,967	1,134	1,102	1,915	1,903	980	961
In school	565	547	540	502	25	40	--	6
Ill health, disability	450	448	36	32	217	268	197	150
Home responsibilities	2,727	2,605	447	432	1,546	1,452	733	722
Retirement, old age	36	60	--	--	--	--	36	60
Think cannot get job	72	82	13	26	45	46	14	7
All other reasons	180	225	98	108	81	99	--	15
Male (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	35.0	34.6	79.7	82.6	10.9	8.7	--	--
Ill health, disability	23.7	27.2	3.1	2.5	52.8	62.8	28.6	32.9
Home responsibilities	2.3	1.3	.5	--	2.5	2.8	4.0	1.7
Retirement, old age	22.4	22.0	--	--	1.7	1.9	60.5	56.1
Think cannot get job	3.6	2.2	2.7	1.2	8.1	1.5	1.9	3.5
All other reasons	13.0	12.6	14.0	13.7	24.0	22.3	4.9	5.9
Female (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	14.0	13.8	47.6	45.6	1.3	2.1	--	.6
Ill health, disability	11.2	11.3	3.2	2.9	11.3	14.1	20.1	15.6
Home responsibilities	67.7	65.7	39.4	39.3	80.8	76.2	74.8	75.2
Retirement, old age . . . . .	.9	1.5	--	--	--	--	3.7	6.2
Think cannot get job	1.8	2.1	1.1	2.4	2.4	2.4	1.4	.7
All other reasons	4.5	5.7	8.6	9.8	4.2	5.2	--	1.6

HOUSEHOLD DATA QUARTERLY AVERAGES

Table 4. Job desire of persons not in labor force and reasons for not seeking work by age and sex

Reasons for not seeking work	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969
Thousands of persons										
Total not in labor force	54,062	53,506	7,182	7,117	4,758	4,589	22,693	22,769	19,430	19,032
Do not want job now	50,185	48,792	5,702	5,491	4,113	3,889	21,256	20,873	19,117	18,543
Want job now - total	3,877	4,714	1,480	1,626	645	700	1,437	1,896	313	489
In school	1,490	1,590	1,178	1,292	255	227	55	68	2	2
Ill health, disability	365	519	11	22	40	38	215	318	99	141
Home responsibilities	795	1,262	55	95	146	234	561	877	32	55
Think cannot get job	580	535	92	97	68	42	287	225	132	170
All other reasons	647	808	144	120	136	159	319	408	48	121
Male	1,404	1,361	751	710	271	209	254	224	129	218
In school	830	791	632	628	172	137	27	26	--	--
Ill health, disability	165	219	5	10	13	6	93	122	55	81
Think cannot get job	202	149	49	39	29	10	73	24	50	75
All other reasons ¹	207	202	65	33	57	56	61	52	24	62
Female	2,471	3,353	727	916	375	491	1,185	1,675	185	272
In school	659	799	545	664	83	90	29	44	2	2
Ill health, disability	200	300	6	12	27	31	122	197	45	61
Home responsibilities	788	1,248	54	95	146	234	559	871	29	48
Think cannot get job	378	386	42	58	40	33	216	201	81	94
All other reasons	446	620	80	87	79	103	259	362	28	67
Percent distribution										
Want job now - total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	38.4	33.7	79.6	79.5	39.5	32.4	3.8	3.6	.6	.4
Ill health, disability	9.4	11.0	.7	1.4	6.2	5.4	15.0	16.8	31.6	28.8
Home responsibilities	20.5	26.8	3.7	5.8	22.6	33.4	39.0	46.3	10.2	11.2
Think cannot get job	15.0	11.3	6.2	6.0	10.5	6.0	20.0	11.9	42.2	34.8
All other reasons	16.7	17.1	9.7	7.4	21.1	22.7	22.2	21.5	15.3	24.7
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	59.2	58.1	84.2	88.5	63.5	65.6	10.6	11.6	--	--
Ill health, disability	11.8	16.1	.7	1.4	4.8	2.9	36.6	54.5	42.6	37.2
Think cannot get job	14.4	10.9	6.5	5.5	10.7	4.8	28.7	10.7	38.8	34.4
All other reasons ¹	14.7	14.8	8.7	4.6	21.0	26.8	24.0	23.2	18.6	28.4
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	26.7	23.8	75.0	72.5	22.1	18.3	2.4	2.6	1.1	.7
Ill health, disability	8.1	8.9	.8	1.3	7.2	6.3	10.3	11.8	24.3	22.4
Home responsibilities	31.9	37.2	7.4	10.4	38.9	47.7	47.2	52.0	15.7	17.6
Think cannot get job	15.3	11.5	5.8	6.3	10.7	6.7	18.2	12.0	43.8	34.6
All other reasons	18.0	18.5	11.0	9.5	21.1	21.0	21.9	21.6	15.1	24.6

¹Includes small number of men not seeking work because of home responsibilities.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

Table 5. Job desire of persons not in labor force and reasons for not seeking work by color and sex

Reasons for not seeking work	White				Negro and other races			
	Male		Female		Male		Female	
	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969
Thousands of persons								
Total not in labor force	11,183	11,004	37,284	37,035	1,564	1,500	4,030	3,967
Do not want job now	10,051	9,885	35,286	34,456	1,292	1,258	3,554	3,194
Want job now	1,132	1,119	1,998	2,579	272	242	476	773
In school	680	636	581	631	150	155	79	167
Ill health, disability	125	185	152	207	40	34	49	93
Home responsibilities ¹	--	--	578	932	--	--	210	316
Think cannot get job	144	116	306	304	57	33	72	82
All other reasons	183	182	381	505	25	20	66	115
Percent distribution								
Want job now	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	60.1	56.8	29.1	24.5	55.1	64.0	16.6	21.6
Ill health, disability	11.0	16.5	7.6	8.0	14.7	14.0	10.3	12.0
Home responsibilities ¹	--	--	28.9	36.1	--	--	44.1	40.9
Think cannot get job	12.7	10.4	15.3	11.8	21.0	13.6	15.1	10.6
All other reasons	16.2	16.3	19.1	19.6	9.2	8.3	13.9	14.9

¹Small number of men not seeking work because of "home responsibilities" are included in "all other reasons."

Table 6. Persons not in labor force who desire to work but think they cannot get jobs by age, color, sex, and detailed reason

2nd Quarter 1970
(In thousands)

Detailed reason for not seeking work	Total	Age in years				Color	
		16-19	20-24	25-59	60 and over	White	Negro and other races
Total	580	92	68	287	132	450	129
Employers think too young or old	102	20	--	17	67	88	15
Lacks education or training	72	9	17	40	6	61	11
Other personal handicap	42	10	7	18	7	28	14
Could not find job	200	42	31	109	17	150	50
Thinks no job available	164	11	13	104	36	125	40
Male	202	49	29	73	50	144	57
Employers think too young or old	47	9	--	4	34	39	8
Lacks education or training	8	3	2	2	--	8	--
Other personal handicap	17	6	2	5	4	9	8
Could not find job	86	25	18	38	7	63	23
Thinks no job available	45	6	8	24	7	26	19
Female	378	42	40	216	81	306	72
Employers think too young or old	55	10	--	13	33	49	7
Lacks education or training	64	6	15	38	6	53	11
Other personal handicap	25	4	5	13	3	19	6
Could not find job	114	18	14	71	10	87	27
Thinks no job available	120	5	5	81	29	99	21

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Table 7. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age and sex

Most recent work experience and reason leaving job	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969
Total										
Not in labor force (in thousands)	54,062	53,506	7,182	7,117	4,758	4,589	22,693	22,769	19,430	19,032
Never worked	10,447	9,878	4,038	3,829	939	835	2,577	2,438	2,894	2,776
Last worked over 5 years ago	25,485	24,677	21	19	361	281	12,259	12,099	12,845	12,279
Last worked 1 to 5 years ago	8,368	9,136	448	490	1,373	1,396	4,216	4,570	2,331	2,679
Left job previous 12 months	9,761	9,815	2,674	2,778	2,086	2,078	3,642	3,663	1,359	1,298
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	47.0	46.8	57.2	55.1	65.5	67.8	44.2	42.3	6.1	8.0
Ill health, disability	8.9	9.6	.9	1.3	4.2	2.9	13.9	14.8	18.7	23.2
Retirement, old age	6.5	6.4	--	--	--	--	1.5	1.6	42.5	44.2
Economic reasons	17.5	15.1	15.4	13.0	10.0	9.2	22.0	20.8	21.5	12.9
End of seasonal job	7.8	7.4	8.2	7.7	3.5	5.3	9.2	9.1	9.8	5.2
Slack work	4.2	3.0	2.9	2.0	3.0	1.3	5.7	4.8	4.3	3.1
End of temporary job	5.6	4.7	4.3	3.3	3.5	2.6	7.1	6.9	7.4	4.6
All other reasons	20.1	22.1	26.6	30.6	20.4	20.1	18.4	20.5	11.2	11.7
Male										
Not in labor force (in thousands)	12,748	12,504	3,011	2,982	1,127	1,054	1,843	1,774	6,767	6,695
Never worked	1,750	1,733	1,404	1,396	199	165	118	141	29	33
Last worked over 5 years ago	5,387	4,955	7	5	21	11	641	592	4,720	4,347
Last worked 1 to 5 years ago	2,190	2,474	154	156	138	158	526	552	1,370	1,609
Left job previous 12 months	3,420	3,342	1,445	1,425	769	722	558	489	647	706
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	40.7	40.1	54.1	54.2	59.6	64.7	23.3	16.3	3.4	3.0
Ill health, disability	10.0	12.6	.9	1.7	3.1	2.6	33.3	41.5	18.3	24.8
Retirement, old age	11.1	13.2	--	--	--	--	5.0	8.1	54.0	56.6
Economic reasons	14.5	10.2	14.8	11.3	10.0	6.6	18.4	12.0	16.0	10.3
End of seasonal job	6.7	5.1	8.2	6.5	3.6	3.3	5.5	3.9	7.7	5.1
Slack work	3.8	2.4	2.5	2.1	3.4	.8	8.4	5.7	3.7	2.1
End of temporary job	4.0	2.7	4.1	2.7	3.0	2.5	4.5	2.4	4.6	3.1
All other reasons	23.7	24.0	30.2	32.8	27.2	26.0	20.0	22.0	8.3	5.4
Female										
Not in labor force (in thousands)	41,314	41,002	4,170	4,135	3,631	3,536	20,850	20,995	12,663	12,337
Never worked	8,697	8,144	2,633	2,433	741	670	2,458	2,297	2,865	2,743
Last worked over 5 years ago	20,098	19,723	14	14	340	270	11,620	11,506	8,126	7,932
Last worked 1 to 5 years ago	6,178	6,661	294	335	1,234	1,238	3,690	4,018	960	1,069
Left job previous 12 months	6,341	6,474	1,229	1,353	1,317	1,356	3,084	3,172	712	592
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	50.4	50.2	60.8	55.9	68.8	69.5	48.0	46.4	8.6	14.0
Ill health, disability	8.3	8.0	.8	1.0	4.9	3.0	10.4	10.7	18.8	21.3
Retirement, old age	4.0	3.0	--	--	--	--	.9	.6	31.9	29.4
Economic reasons	19.2	17.6	16.0	14.8	9.9	10.6	22.7	22.1	26.8	15.9
End of seasonal job	8.4	8.5	8.1	8.8	3.3	6.4	9.9	9.9	11.7	5.2
Slack work	4.3	3.4	3.3	2.0	2.8	1.6	5.3	4.5	5.2	4.4
End of temporary job	6.5	5.7	4.5	4.1	3.8	2.6	7.6	7.6	10.0	6.2
All other reasons	18.1	21.2	22.4	28.3	16.4	16.9	18.0	20.2	13.9	19.4

HOUSEHOLD DATA QUARTERLY AVERAGES

Table 8. Most recent work experience of persons not in labor force and reasons for leaving last job for those who worked during previous 12 months by color and sex
2nd Quarter 1970

Most recent work experience and reason leaving job	White				Negro and other races			
	Male		Female		Male		Female	
	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969
Total not in labor force (in thousands)	11,183	11,004	37,284	37,035	1,564	1,500	4,030	3,967
Never worked	1,469	1,432	7,761	7,280	281	301	936	864
Last worked over 5 years ago	4,850	4,435	18,403	18,200	537	520	1,695	1,523
Last worked 1 to 5 years ago	1,957	2,235	5,535	5,934	233	239	642	727
Left job previous 12 months	2,907	2,902	5,584	5,621	512	440	757	853
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	40.6	39.9	51.1	51.0	41.5	41.5	44.8	45.4
Ill health, disability	9.7	12.3	6.9	7.1	11.5	14.6	18.5	14.0
Retirement, old age	12.4	14.3	4.4	3.2	3.5	5.5	1.6	1.4
Economic reasons	12.8	9.2	18.7	17.1	24.2	16.4	22.5	20.9
End of seasonal job	5.7	4.5	7.7	7.9	12.5	9.6	13.5	12.7
Slack work	3.7	2.2	4.4	3.3	4.3	3.4	4.1	3.6
End of temporary job	3.4	2.6	6.7	5.9	7.4	3.4	4.9	4.6
All other reasons	24.5	24.3	18.8	21.6	19.3	22.1	12.7	18.3

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

2nd Quarter 1970

Industry and class of worker and major occupation	Total (thousands of persons)	Reason left job (percent distribution)					All other
		Total	School, home responsibilities	Ill health, disability	Retirement, old age	Economic reasons	
Total who left jobs in previous 12 months	9,761	100.0	47.0	8.9	6.5	17.5	20.1
Industry							
Agriculture ¹	684	100.0	21.1	7.2	4.7	25.7	41.4
Unpaid family workers	237	100.0	6.3	--	2.5	3.0	88.2
Wage and salary workers	383	100.0	32.9	7.3	.5	42.3	17.0
Nonagricultural industries	9,051	100.0	49.4	8.5	6.7	16.7	18.7
Self-employed workers	341	100.0	26.7	17.0	19.4	21.1	15.8
Unpaid family workers	194	100.0	18.6	5.2	1.0	2.6	72.7
Wage and salary workers	8,515	100.0	51.0	8.3	6.3	16.8	17.6
Private household workers	461	100.0	43.6	10.2	2.2	25.4	18.7
Government workers	1,391	100.0	46.0	4.5	9.9	23.4	16.2
All other ²	6,663	100.0	52.6	8.9	5.9	14.9	17.8
Construction	388	100.0	40.8	16.0	7.5	18.1	17.6
Manufacturing	1,636	100.0	49.5	9.5	8.5	14.5	18.0
Transportation and public utilities	253	100.0	56.0	5.2	13.9	9.5	15.5
Trade	2,449	100.0	53.0	8.7	2.9	15.3	20.1
Finance and services	1,897	100.0	56.8	7.8	5.7	14.6	15.1
Occupation							
White-collar workers	4,315	100.0	52.6	5.5	7.8	17.1	17.0
Professional and technical	960	100.0	48.2	4.7	11.2	18.5	17.3
Managers, officials, and proprietors	300	100.0	22.7	15.1	34.4	12.4	15.4
Clerical and sales	3,055	100.0	56.9	4.8	4.1	17.1	17.1
Blue-collar workers	2,720	100.0	43.5	11.7	7.3	16.5	21.1
Craftsmen and foremen	437	100.0	29.1	22.2	17.6	12.8	18.3
Operatives	1,505	100.0	46.0	11.8	6.2	16.6	19.3
Nonfarm laborers	778	100.0	46.8	5.5	3.5	18.1	26.0
Service workers	2,085	100.0	49.7	10.8	3.7	16.5	19.2
Farm workers	614	100.0	20.1	6.4	4.2	25.8	43.6

¹Includes small number of self-employed workers, not shown separately.

²Includes forestries, fisheries, and mining, not shown separately.

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

Work-seeking intentions, most recent work experience, and major occupation	Total		Male		Female	
	2nd 1970	2nd 1969	2nd 1970	2nd 1969	2nd 1970	2nd 1969
Total						
Total not in labor force (in thousands)	54,062	53,506	12,748	12,504	41,314	41,002
Do not intend to seek work	46,834	45,397	10,122	9,876	36,712	35,521
Intend to seek work in next 12 months	7,228	8,109	2,626	2,628	4,602	5,481
Never worked	1,589	1,794	593	623	996	1,171
Last worked over 5 years ago	744	1,032	77	94	667	938
Last worked 1 to 5 years ago	1,149	1,342	318	322	831	1,020
Worked during previous 12 months	3,746	3,940	1,637	1,589	2,109	2,351
Percent distribution by occupation	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	39.9	39.5	25.6	24.9	51.3	49.3
Professional and technical	9.4	8.6	9.2	7.7	9.6	9.1
Managerial	1.8	2.1	2.3	3.1	1.3	1.4
Clerical and sales	28.7	28.8	14.1	14.1	40.3	38.8
Blue-collar workers	32.8	31.1	50.8	51.2	18.4	17.4
Craftsman and foremen	5.0	4.9	10.4	11.3	.7	.5
Operatives	16.6	17.0	16.6	18.0	16.6	16.3
Nonfarm laborers	11.2	9.2	23.9	21.9	1.1	.5
Service workers	21.8	23.5	14.7	14.6	27.5	29.5
Farm workers	5.5	6.0	8.9	9.3	2.8	3.8
White						
Total not in labor force (in thousands)	48,467	48,039	11,183	11,004	37,284	37,035
Do not intend to seek work	42,553	41,502	9,011	8,827	33,542	32,675
Intend to seek work in next 12 months	5,914	6,537	2,172	2,177	3,742	4,360
Never worked	1,330	1,369	498	478	832	891
Last worked over 5 years ago	607	865	65	66	542	799
Last worked 1 to 5 years ago	929	1,076	266	291	663	785
Worked during previous 12 months ¹	3,048	3,229	1,343	1,343	1,705	1,886
Negro and other races						
Total not in labor force (in thousands)	5,594	5,467	1,564	1,500	4,030	3,967
Do not intend to seek work	4,280	3,896	1,110	1,049	3,170	2,847
Intend to seek work in next 12 months	1,314	1,571	454	451	860	1,120
Never worked	259	425	95	145	164	280
Last worked over 5 years ago	137	168	12	29	125	139
Last worked 1 to 5 years ago	220	267	52	32	168	235
Worked during previous 12 months ¹	698	711	294	246	404	465

¹Occupational data not available by color.

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

Employment status and sex	(In thousands)	
	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

Size of estimate	(In thousands)					
	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.

Spensible Average Weekly Earnings

Spensible 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, spensible earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or non-supervisory workers in the industry division excluding other income and income earned by other family members.

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

Average Hourly Earnings Excluding Overtime

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

Indexes of Aggregate Weekly Payrolls and Man-Hours

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

Labor Turnover

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

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

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

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

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

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

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

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

Relationship to Employment Series

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

ESTIMATING METHODS

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

The "Link Relative" Technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives. In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described later in the table, Summary of Methods for Computing Industry Statistics on Employment, Hours, Earnings, and Labor Turnover. Further details are given in the technical notes--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 non-certainty 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 ($RMSE = \sqrt{(Standard\ Deviation)^2 + (Bias)^2}$). If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root mean square error. The chances are about 19 out of 20 that the difference would be less than twice the root mean square error.

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

Root-mean-square errors of differences
between benchmarks and estimates

Size of employment estimate	Root-mean-square error ¹
50,000	2,000
100,000	2,800
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.

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Bureau of Labor Statistics

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IX	ARIZONA - Unemployment Compensation Division, Employment Security Commission, Phoenix 85005
VI	ARKANSAS - Employment Security Division, Department of Labor, Little Rock 72203
IX	CALIFORNIA - Division of Labor Statistics and Research, Department of Industrial Relations, Human Relations Agency, San Francisco 94101 (Employment).
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II	NEW JERSEY - Division of Planning and Research, Department of Labor and Industry, Trenton 08625
VI	NEW MEXICO - Employment Security Commission, Albuquerque 87103
II	NEW YORK - Research and Statistics Office, Division of Employment, N.Y. State Department of Labor, State Campus Building 12, Albany 12201
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VIII	NORTH DAKOTA - Employment Security Bureau, Bismarck 58501
V	OHIO - Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
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