



Employment and Earnings

DECEMBER 1955

Vol. 2 No. 6

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EMPLOYMENT AND EARNINGS IN THE WEST

SOUTH CENTRAL STATES, 1950-54.....

The West South Central story on employment and earnings from 1950 to 1954 is discussed on pages xiii to xvi. This is the third of a series of articles reviewing such developments in each of a group of generally homogeneous States. Reprints will be available upon request.

THE TRANSPORTATION EQUIPMENT,

INSTRUMENTS, AND MISCELLANEOUS

MANUFACTURING INDUSTRIES SINCE 1950.

The series of charts showing changes in employment, hours, earnings, and labor turnover in manufacturing industries since 1950 appear on pages x through xii.

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REGIONAL OFFICES AND COOPERATING STATE AGENCIES.....Inside back cover

The national employment figures shown in this report have been adjusted to first quarter, 1954 benchmark levels.



Employment Trends

NONFARM EMPLOYMENT CLIMBS TO 50.6 MILLION - NEW NOVEMBER PEAK SET

The number of workers on nonfarm payrolls reached a record November level of 50.6 million in 1955. An over-the-month rise from October of almost 150,000 was due to a sharp increase in automobile plants, better-than-usual gains elsewhere in manufacturing, and seasonal pickups in trade and local governments. These gains more than offset seasonal declines in construction and in other nonmanufacturing activities.

The factory workweek rose contraseasonally, boosting average hours of work in manufacturing to 41.2--a level equal to the previous postwar peak for the month.

Longer hours and a 2-cent rise in hourly pay brought average weekly pay of factory production workers to an alltime high of \$79.52.

FACTORY EMPLOYMENT AT NEW NOVEMBER HIGH

The total number of workers on factory payrolls rose by 100,000 to 17.1 million in November 1955, a new postwar peak for the month. Manufacturing employment usually declines between October and November.

Overshadowing all other changes in manufacturing was a jump of 136,000 jobs in transportation equipment--the second largest gain in a single month ever reported by this industry. Almost all of the pickup was in auto plants as model changeovers were completed.

Substantially larger-than-usual increases were reported in primary metals, fabricated metals (largely in automotive hardware and stamping), and machinery. Part of the rise in machinery was due to the return of striking workers in farm machinery plants, but significant increases were reported in metal-working machinery and miscellaneous machinery and parts--industries important in the current capital goods expansion. Electrical machinery showed a decline of about 14,000 workers, mainly because of a strike in one major firm.

Significant gains were also reported in rubber, printing, apparel, and leather, the latter two reflecting strong demand for consumer goods. Seasonal losses were reported for food processing, tobacco, and lumber.

The November 1955 manufacturing level of 17.1 million was more than a million higher than a year earlier, with new employment peaks for the month

reported in 9 out of 21 industry groups. Employment in most of the remaining industries was well above last year's level.

NONMANUFACTURING EMPLOYMENT CHANGES LARGELY SEASONAL

Most nonmanufacturing activities showed about the usual seasonal employment changes between October and November. Mining, transportation, and finance remained virtually unchanged, while service declined--the usual patterns for these industries at this season. Wholesale and retail trade establishments expanded as the Christmas season neared, the increase of 176,000 pushing employment in trade over the 11 million mark. More than half of the rise occurred in general merchandise stores--including department stores, mail order houses, and variety stores.

Contract construction employment declined to 2.6 million, as the result of a strike affecting delivery of construction supplies, as well as colder weather.

FACTORY WORKWEEK EQUALS NOVEMBER 1952 PEAK

At 41.2 hours, the November workweek of factory production workers was up one-tenth of an hour from the October figure. This was only the second time since World War II that hours of work have increased between these months. The rise was concentrated in the durable-goods sector, where the workweek rose by three-tenths of an hour.

The sharpest increase in weekly hours was in transportation equipment, where the workweek jumped by 1.4 hours to 42.5. Hours also rose sharply in primary metals, machinery, textiles, and paper.

The November 1955 workweek for manufacturing was an hour longer than a year earlier and equal to the postwar peak for the month, reached in 1952. All industries except food processing had longer workweeks than in November 1954.

MAN-HOURS UNCHANGED OVER THE MONTH

Aggregate weekly man-hours in manufacturing, mining, and construction combined were virtually unchanged over the month, as declines in mining and construction offset a rise in manufacturing. Over the year, total man-hours worked were up substantially, from 103.5 percent to 111 percent of the 1947-49 average.

FACTORY WORKERS EARN RECORD
WEEKLY PAY

The average earnings of factory production workers were a record \$79.52 a week in November 1955, almost \$6 more than in November 1954. In petroleum, the average weekly pay was \$99.29. Other industries reporting weekly earnings of more than \$90 were transportation equipment, primary metals, printing and publishing, machinery, and rubber. On the other hand, the average apparel worker earned \$50.05. Other industries where

average weekly earnings were under \$60 were tobacco, leather, and textiles.

The largest over-the-month increase in average weekly pay was in transportation equipment, where the sharp rise in hours, together with a 2-cent average increase in hourly pay, boosted weekly checks by \$4.04. Average weekly pay fell in lumber, fabricated metals, instruments, miscellaneous manufacturing, tobacco, and printing where hours of work declined over the month.

**Table 1. Employees in nonagricultural establishments,
by industry division and selected groups**

(In thousands)

Industry division and group	Current			Year ago	net change from:	
	Nov. 1955 1/	Oct. 1955 1/	Sept. 1955	Nov. 1954	Previous month	Year ago
TOTAL	50,608	50,461	50,322	48,808	+147	+1,800
MINING	753	750	758	749	+ 3	+ 4
Metal mining.....	101.4	98.8	100.1	93.7	+ 2.6	+ 7.7
Bituminous-coal.....	212.3	209.5	208.8	212.0	+ 2.8	+ .3
Nonmetallic mining and quarrying.....	107.4	108.5	109.9	105.6	- 1.1	+ 1.8
CONTRACT CONSTRUCTION	2,568	2,682	2,748	2,598	-114	- 30
MANUFACTURING	17,084	16,985	16,915	16,057	+ 99	+1,027
DURABLE GOODS	9,916	9,752	9,645	9,121	+164	+ 795
Ordnance and accessories.....	125.1	127.0	130.5	142.1	- 1.9	- 17.0
Lumber and wood products (except furniture).....	773.8	786.3	795.5	751.3	- 12.5	+ 22.5
Furniture and fixtures.....	379.3	379.3	376.1	356.3	0	+ 23.0
Stone, clay, and glass products.....	566.6	567.3	566.8	521.9	- .7	+ 44.7
Primary metal industries.....	1,353.7	1,342.4	1,341.1	1,177.8	+ 11.3	+ 175.9
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,134.0	1,119.4	1,110.0	1,050.8	+ 14.6	+ 83.2
Machinery (except electrical).....	1,642.7	1,612.5	1,563.8	1,487.9	+ 30.2	+ 154.8
Electrical machinery.....	1,178.5	1,192.3	1,163.3	1,104.7	- 13.8	+ 73.8
Transportation equipment.....	1,942.2	1,806.2	1,791.2	1,744.9	+136.0	+ 197.3
Instruments and related products.....	323.3	322.8	318.3	309.0	+ .5	+ 14.3
Miscellaneous manufacturing industries.....	497.0	496.2	488.4	474.5	+ .8	+ 22.5
NONDURABLE GOODS	7,168	7,233	7,270	6,936	- 65	+ 232
Food and kindred products.....	1,546.0	1,634.5	1,693.9	1,538.4	- 88.5	+ 7.6
Tobacco manufactures.....	105.1	121.3	122.2	111.5	- 16.2	- 6.4
Textile-mill products.....	1,092.1	1,083.7	1,081.2	1,076.4	+ 8.4	+ 15.7
Apparel and other finished textile products.....	1,265.6	1,255.2	1,246.3	1,188.7	+ 10.4	+ 76.9
Paper and allied products.....	565.9	563.2	560.2	537.7	+ 2.7	+ 28.2
Printing, publishing, and allied industries.....	833.0	827.3	820.7	807.8	+ 5.7	+ 25.2
Chemicals and allied products.....	828.9	826.0	821.7	793.6	+ 2.9	+ 35.3
Products of petroleum and coal.....	250.7	251.9	254.3	251.3	- 1.2	- .6
Rubber products.....	290.2	284.6	281.7	259.0	+ 5.6	+ 31.2
Leather and leather products.....	390.5	385.0	387.4	371.7	+ 5.5	+ 18.8
TRANSPORTATION AND PUBLIC UTILITIES	4,142	4,143	4,152	3,986	- 1	+ 156
TRANSPORTATION.....	2,786	2,787	2,793	2,672	- 1	+ 114
COMMUNICATION.....	771	773	770	736	- 2	+ 35
OTHER PUBLIC UTILITIES.....	585	583	589	578	+ 2	+ 7
WHOLESALE AND RETAIL TRADE	11,082	10,906	10,824	10,745	+176	+ 337
WHOLESALE TRADE	2,923	2,903	2,879	2,849	+ 20	+ 74
RETAIL TRADE	8,159	8,003	7,945	7,896	+156	+ 263
General merchandise stores.....	1,537.1	1,439.3	1,394.7	1,518.1	+ 97.8	+ 19.0
Food and liquor stores.....	1,550.0	1,536.7	1,515.7	1,471.8	+ 13.3	+ 78.2
Automotive and accessories dealers.....	787.5	783.6	785.3	754.3	+ 3.9	+ 33.2
Apparel and accessories stores.....	623.8	605.5	592.0	614.4	+ 18.3	+ 9.4
Other retail trade.....	3,660.8	3,637.6	3,657.4	3,537.4	+ 23.2	+ 123.4
FINANCE, INSURANCE, AND REAL ESTATE	2,209	2,212	2,223	2,134	- 3	+ 75
SERVICE AND MISCELLANEOUS	5,693	5,729	5,791	5,622	- 36	+ 71
GOVERNMENT	7,077	7,054	6,911	6,917	+ 23	+ 160
FEDERAL	2,171	2,172	2,173	2,165	- 1	+ 6
STATE AND LOCAL	4,906	4,882	4,738	4,752	+ 24	+ 154

1/ Preliminary.

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Table 2. Production workers in manufacturing, by major industry group

(In thousands)

Major industry group	Current			Year ago	net change from:	
	Nov. 1955 <u>1/</u>	Oct. 1955 <u>1/</u>	Sept. 1955	Nov. 1954	Previous month	Year ago
MANUFACTURING.....	13,535	13,442	13,373	12,657	+ 93	+878
DURABLE GOODS.....	7,885	7,726	7,623	7,198	+159	+687
Ordnance and accessories.....	82.4	83.8	86.5	98.0	- 1.4	- 15.6
Lumber and wood products (except furniture).....	702.8	715.7	726.0	684.6	- 12.9	+ 18.2
Furniture and fixtures.....	323.0	322.7	319.8	301.4	+ .3	+ 21.6
Stone, clay, and glass products.....	478.4	478.9	478.5	438.3	- .5	+ 40.1
Primary metal industries.....	1,145.9	1,137.5	1,134.3	988.0	+ 8.4	+157.9
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	915.2	903.1	894.4	844.1	+ 12.1	+ 71.1
Machinery (except electrical).....	1,221.3	1,196.3	1,149.3	1,092.0	+ 25.0	+129.3
Electrical machinery.....	875.9	884.4	854.7	810.7	- 8.5	+ 65.2
Transportation equipment.....	1,506.7	1,370.2	1,356.5	1,333.8	+136.5	+172.9
Instruments and related products.....	226.5	226.6	222.7	217.6	- .1	+ 8.9
Miscellaneous manufacturing industries...	407.2	406.4	400.4	389.8	+ .8	+ 17.4
NONDURABLE GOODS.....	5,650	5,716	5,750	5,459	- 66	+191
Food and kindred products.....	1,106.9	1,188.4	1,245.3	1,110.8	- 81.5	- 3.9
Tobacco manufactures.....	97.0	113.0	113.5	102.7	- 16.0	- 5.7
Textile-mill products.....	998.2	991.0	988.5	982.6	+ 7.2	+ 15.6
Apparel and other finished textile products.....	1,132.0	1,123.3	1,114.6	1,060.4	+ 8.7	+ 71.6
Paper and allied products.....	467.3	465.1	461.7	444.0	+ 2.2	+ 23.3
Printing, publishing, and allied industries.....	538.5	535.5	530.4	518.1	+ 3.0	+ 20.4
Chemicals and allied products.....	557.9	557.1	552.8	533.3	+ .8	+ 24.6
Products of petroleum and coal.....	170.5	171.6	174.1	173.3	- 1.1	- 2.8
Rubber products.....	231.4	226.3	223.1	202.1	+ 5.1	+ 29.3
Leather and leather products.....	349.9	344.6	346.0	332.1	+ 5.3	+ 17.8

1/ Preliminary.

**Table 3. Hours and gross earnings of production workers in manufacturing,
by major industry group**

Major industry group	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1955		1954	1955		1954	1955		1954
	Nov. 1/	Oct. 1/	Nov.	Nov. 1/	Oct. 1/	Nov.	Nov. 1/	Oct. 1/	Nov.
MANUFACTURING.....	\$70.52	\$78.50	\$73.57	41.2	41.1	40.2	\$1.93	\$1.91	\$1.83
DURABLE GOODS.....	86.10	85.07	79.15	42.0	41.7	40.8	2.05	2.04	1.94
Ordnance and accessories.....	86.94	85.28	81.81	41.6	41.0	40.7	2.09	2.08	2.01
Lumber and wood products (except furniture).....	69.80	71.21	68.64	41.3	41.4	41.1	1.69	1.72	1.67
Furniture and fixtures.....	70.29	70.13	64.62	42.6	42.5	40.9	1.65	1.65	1.58
Stone, clay, and glass products.....	78.81	78.77	74.57	41.7	41.9	41.2	1.89	1.88	1.81
Primary metal industries.....	97.21	96.10	84.53	41.9	41.6	39.5	2.32	2.31	2.14
Fabricated metal products (except ordnance, machinery, and transportation equip- ment).....	84.85	85.24	79.52	41.8	42.2	41.2	2.03	2.02	1.93
Machinery (except electrical).	91.59	90.10	82.01	42.6	42.3	40.4	2.15	2.13	2.03
Electrical machinery.....	78.66	78.47	74.89	41.4	41.3	40.7	1.90	1.90	1.84
Transportation equipment.....	97.75	93.71	91.12	42.5	41.1	41.8	2.30	2.28	2.18
Instruments and related products.....	78.94	80.51	74.56	40.9	41.5	40.3	1.93	1.94	1.85
Miscellaneous manufacturing industries.....	68.88	69.38	65.21	41.0	41.3	40.5	1.68	1.68	1.61
NONDURABLE GOODS.....	69.77	69.32	65.97	40.1	40.3	39.5	1.74	1.72	1.67
Food and kindred products.....	74.80	73.63	70.04	41.1	41.6	41.2	1.82	1.77	1.70
Tobacco manufactures.....	51.17	51.25	47.60	37.9	41.0	36.9	1.35	1.25	1.29
Textile-mill products.....	58.65	57.39	54.53	41.3	40.7	39.8	1.42	1.41	1.37
Apparel and other finished textile products.....	50.05	50.29	48.37	36.8	37.2	36.1	1.36	1.36	1.34
Paper and allied products.....	82.34	81.35	76.18	43.8	43.5	42.8	1.88	1.87	1.78
Printing, publishing, and allied industries.....	92.04	92.90	88.55	39.0	39.2	38.5	2.36	2.37	2.30
Chemicals and allied products.	84.66	83.21	79.71	41.5	41.4	41.3	2.04	2.01	1.93
Products of petroleum and coal.....	99.29	98.88	93.66	41.2	41.2	40.9	2.41	2.40	2.29
Rubber products.....	91.37	89.25	83.02	42.3	42.1	41.1	2.16	2.12	2.02
Leather and leather products..	54.29	53.39	51.43	37.7	37.6	37.0	1.44	1.42	1.39

1/ Preliminary.

**Table 4. index of employees in nonagricultural establishments,
by industry division**

(1947-49=100)

Industry division	Current			Year ago
	November 1955 1/	October 1955 1/	September 1955	November 1954
TOTAL	115.7	115.4	115.0	111.6
Mining.....	79.4	79.1	80.0	79.0
Contract construction.....	122.0	127.4	130.5	123.4
Manufacturing.....	114.4	113.8	113.3	107.5
Transportation and public utilities.....	101.7	101.8	102.0	97.9
Wholesale and retail trade.....	117.8	115.9	115.0	114.2
Finance, insurance, and real estate...	128.0	128.2	128.8	123.6
Service and miscellaneous.....	116.4	117.1	118.4	114.9
Government.....	125.0	124.6	122.1	122.2

1/ Preliminary.

**Table 5. index of production workers in manufacturing,
by major industry group**

(1947-49=100)

Major industry group	Current			Year ago
	November 1955 1/	October 1955 1/	September 1955	November 1954
MANUFACTURING	109.4	108.7	108.1	102.3
DURABLE GOODS	118.1	115.8	114.2	107.9
Ordnance and accessories.....	361.8	370.6	383.8	432.3
Lumber and wood products (except furniture).....	95.3	97.0	98.4	92.8
Furniture and fixtures.....	109.4	109.4	108.4	101.9
Stone, clay, and glass products.....	109.9	110.1	110.1	100.7
Primary metal industries.....	111.3	110.6	110.2	96.0
Fabricated metal products (except ordnance, machinery, and trans- portation equipment).....	117.5	115.9	114.8	108.3
Machinery (except electrical).....	107.4	105.2	101.1	96.0
Electrical machinery.....	136.8	138.1	133.5	126.7
Transportation equipment.....	147.4	134.0	132.7	130.4
Instruments and related products.....	117.0	117.0	114.9	112.4
Miscellaneous manufacturing industries	107.1	106.8	105.3	102.6
NONDURABLE GOODS	99.2	100.4	101.0	95.9
Food and kindred products.....	93.5	100.4	105.2	93.9
Tobacco manufactures.....	91.8	106.9	107.9	97.5
Textile-mill products.....	81.7	81.1	80.9	80.4
Apparel and other finished textile products.....	108.7	107.8	107.1	101.8
Paper and allied products.....	116.6	116.1	115.3	110.8
Printing, publishing, and allied industries.....	112.1	111.5	110.3	107.8
Chemicals and allied products.....	109.3	109.1	108.4	104.4
Products of petroleum and coal.....	91.9	92.5	93.5	93.0
Rubber products.....	113.4	111.0	109.5	99.2
Leather and leather products.....	96.8	95.4	95.7	91.8

1/ Preliminary.

Seasonally Adjusted Data

**Table 6. Employees in nonagricultural establishments,
by industry division, seasonally adjusted**

Industry division	Index (1947-49=100)				Number (In thousands)			
	November 1955 <u>1/</u>	October 1955 <u>1/</u>	September 1955	November 1954	November 1955 <u>1/</u>	October 1955 <u>1/</u>	September 1955	November 1954
TOTAL ^{2/}	114.6	114.2	114.0	110.6	50,149	49,969	49,857	48,366
Mining.....	79.0	79.1	79.5	78.6	749	750	754	745
Contract construction.....	118.4	120.2	122.0	119.8	2,493	2,530	2,568	2,522
Manufacturing ^{2/}	113.8	112.6	111.8	107.0	16,995	16,805	16,691	15,972
Transportation and public utilities..	101.5	101.5	101.6	97.7	4,131	4,132	4,135	3,976
Wholesale and retail trade.....	115.1	114.8	115.0	111.6	10,826	10,798	10,824	10,496
Finance, insurance, and real estate..	128.6	128.8	128.8	124.3	2,220	2,223	2,223	2,145
Service and miscellaneous.....	118.9	117.1	116.6	115.5	5,722	5,729	5,705	5,650
Government.....	123.9	123.7	122.9	121.6	7,013	7,002	6,957	6,880

^{1/} Preliminary. ^{2/} August 1955 revised: Total-49,735; Manufacturing-16,661.

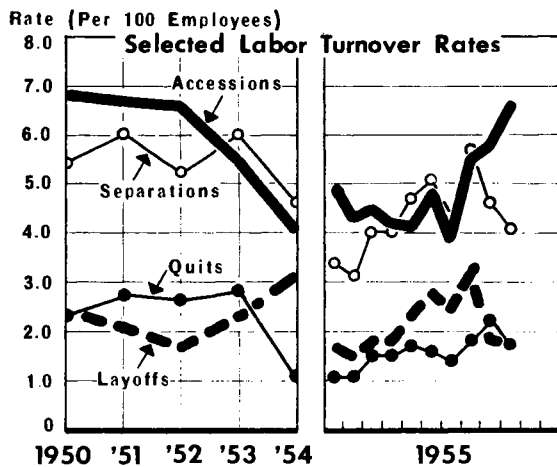
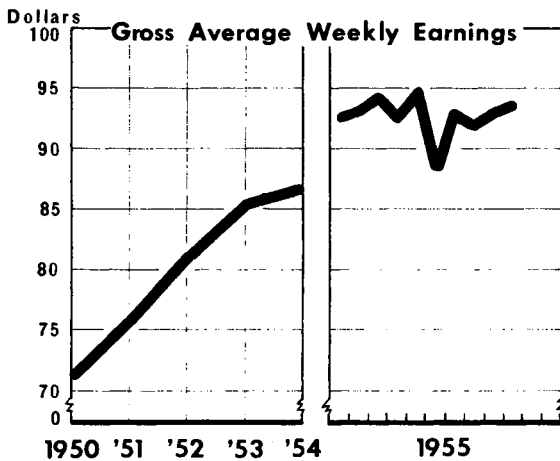
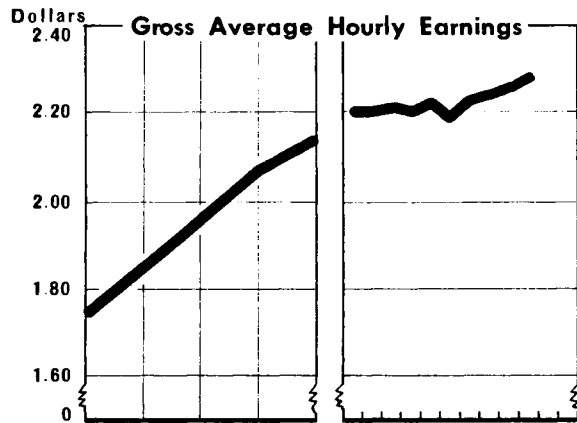
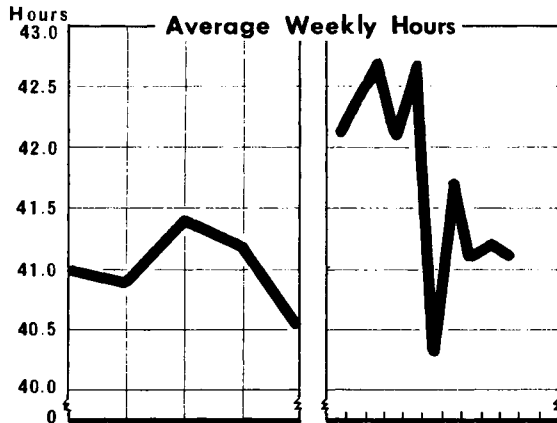
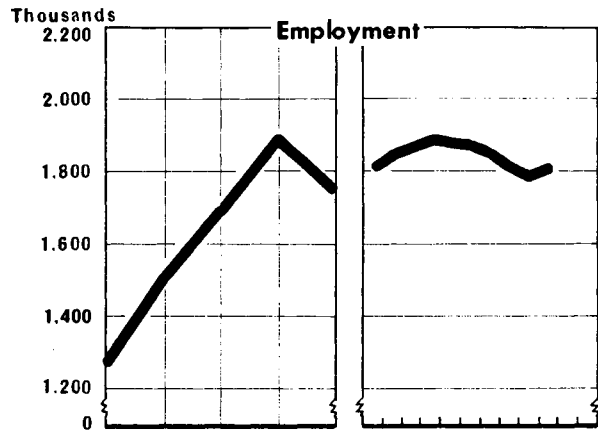
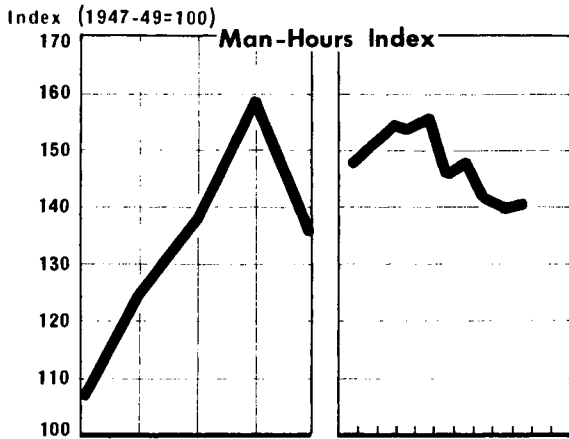
**Table 7. Production workers in manufacturing,
by major industry group, seasonally adjusted**

Major industry group	Index (1947-49=100)				Number (In thousands)			
	November 1955 <u>1/</u>	October 1955 <u>1/</u>	September 1955	November 1954	November 1955 <u>1/</u>	October 1955 <u>1/</u>	September 1955	November 1954
MANUFACTURING ^{2/}	108.8	107.3	106.4	101.6	13,456	13,267	13,160	12,572
DURABLE GOODS	117.5	115.3	114.1	107.3	7,842	7,698	7,614	7,159
Ordnance and accessories.....	361.8	370.6	383.8	432.3	82	84	87	98
Lumber and wood products (except furniture).....	93.9	95.1	95.0	91.5	693	702	701	675
Furniture and fixtures.....	106.7	107.3	107.7	99.5	315	317	318	294
Stone, clay, and glass products.....	109.4	109.7	109.7	100.2	476	477	477	436
Primary metal industries.....	111.3	110.6	110.2	96.0	1,146	1,138	1,134	988
Fabricated metal products (except ordnance, machinery, and transpor- tation equipment).....	116.8	115.4	114.8	107.8	910	899	894	840
Machinery (except electrical).....	108.4	107.3	103.6	97.0	1,233	1,220	1,178	1,103
Electrical machinery.....	134.8	136.6	133.5	124.8	863	875	855	799
Transportation equipment.....	147.4	134.0	132.7	130.4	1,507	1,370	1,357	1,334
Instruments and related products.....	116.5	116.5	114.9	111.9	226	226	223	217
Miscellaneous manufacturing industries.....	102.9	102.6	102.6	98.7	391	390	390	375
NONDURABLE GOODS ^{2/}	98.6	97.8	97.4	95.0	5,614	5,569	5,546	5,413
Food and kindred products ^{2/}	92.4	91.8	91.4	92.7	1,094	1,087	1,082	1,097
Tobacco manufactures.....	86.1	89.9	89.9	90.9	91	95	95	96
Textile-mill products.....	80.9	81.1	81.8	79.6	998	991	999	973
Apparel and other finished textile products.....	108.7	106.2	104.5	101.8	1,132	1,106	1,088	1,060
Paper and allied products.....	115.3	116.1	115.8	109.8	462	465	464	440
Printing, publishing, and allied industries.....	111.1	110.5	110.3	106.7	534	531	530	513
Chemicals and allied products.....	108.2	108.0	107.8	103.5	552	551	550	528
Products of petroleum and coal.....	91.9	92.5	91.9	93.0	171	172	171	173
Rubber products.....	111.9	110.0	109.5	97.7	228	224	223	199
Leather and leather products.....	97.3	95.9	95.1	92.3	352	347	344	334

^{1/} Preliminary. ^{2/} August 1955 revised: Manufacturing 106.1 and 13,127; Nondurable goods-97.2 and 5,535; Food and kindred products-92.0 and 1,089.

THE TRANSPORTATION EQUIPMENT INDUSTRY SINCE 1950

Annual Average 1950-54; Monthly 1955



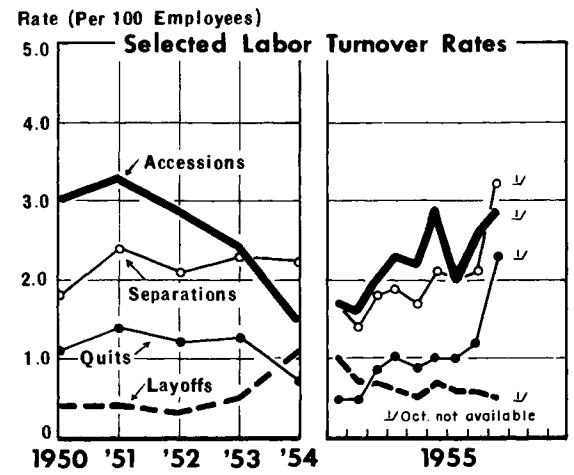
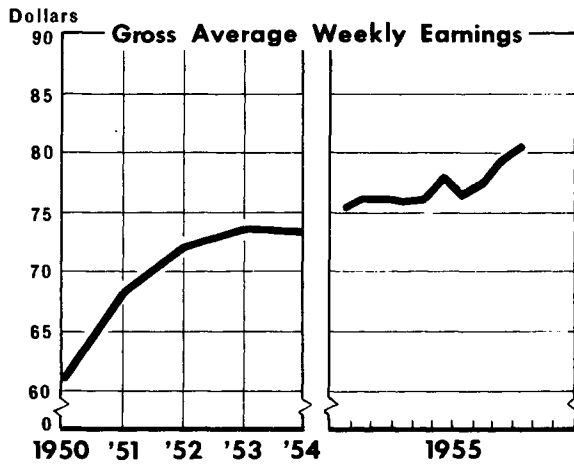
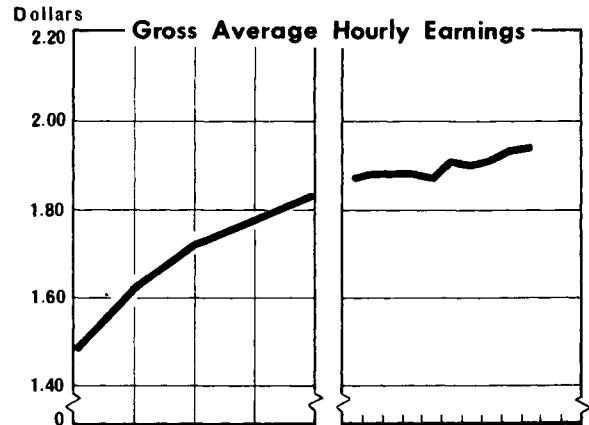
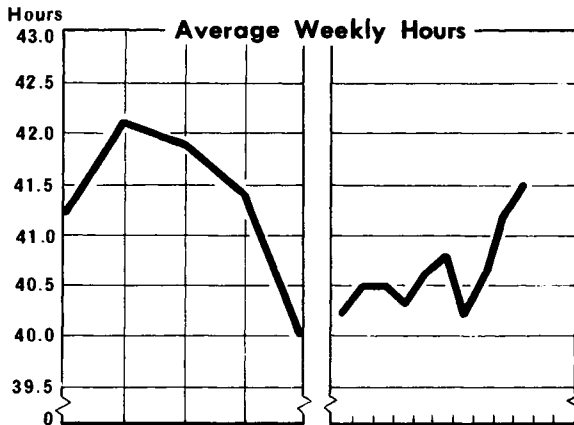
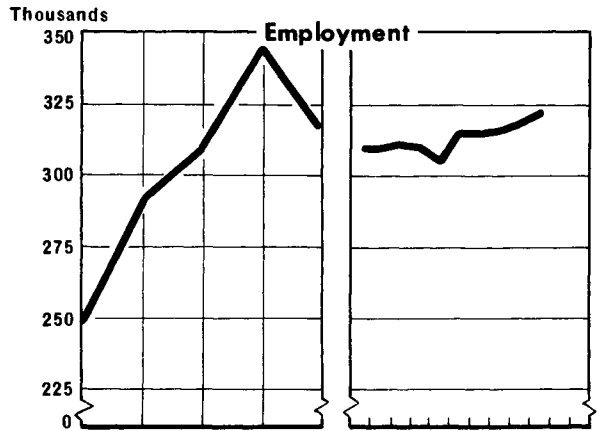
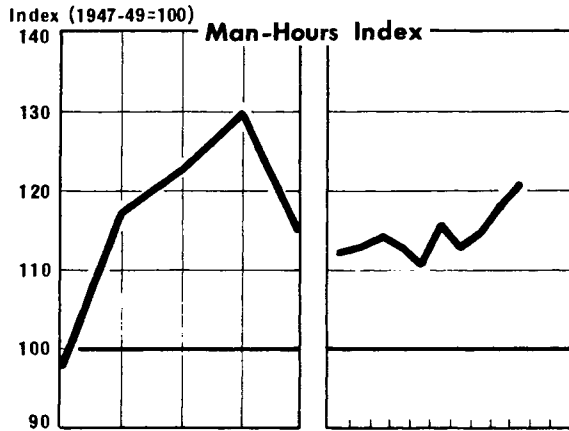
October 1955 data are preliminary

Chart 18. -Copies of this page available upon request.

UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

THE INSTRUMENT INDUSTRY* SINCE 1950

Annual Average 1950-54; Monthly 1955



*Includes instruments and related products

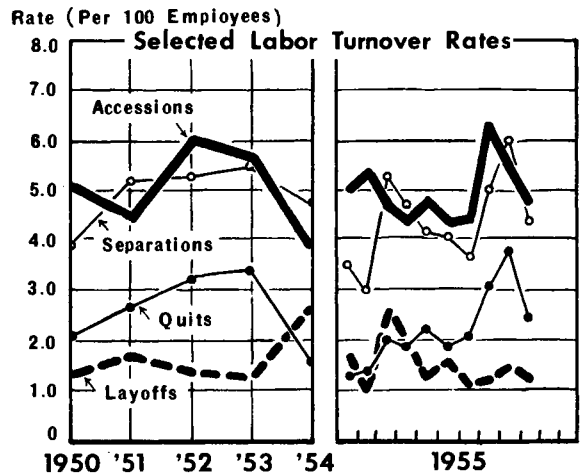
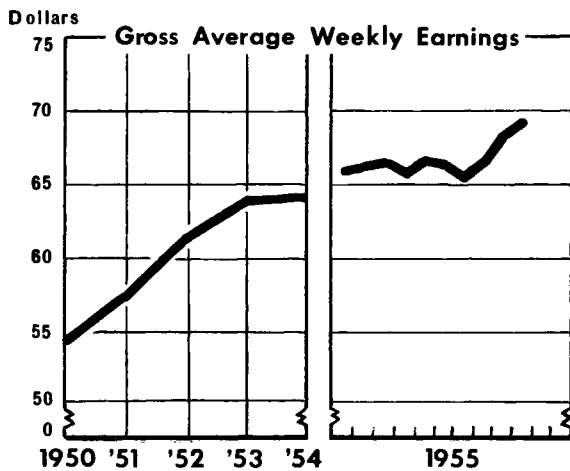
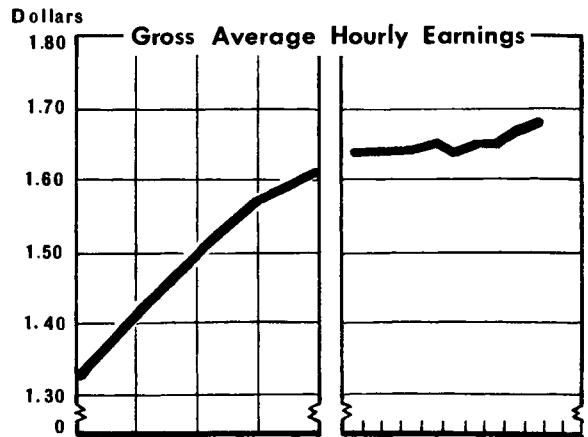
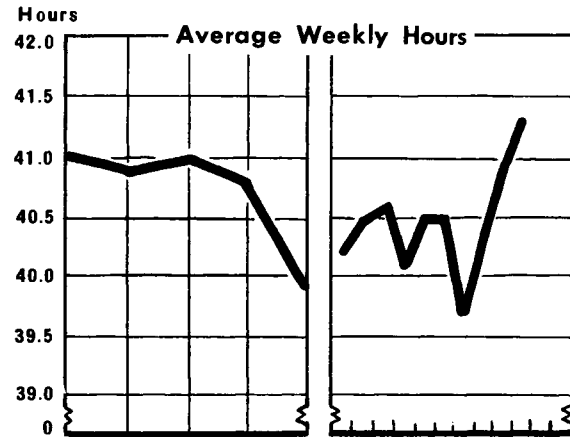
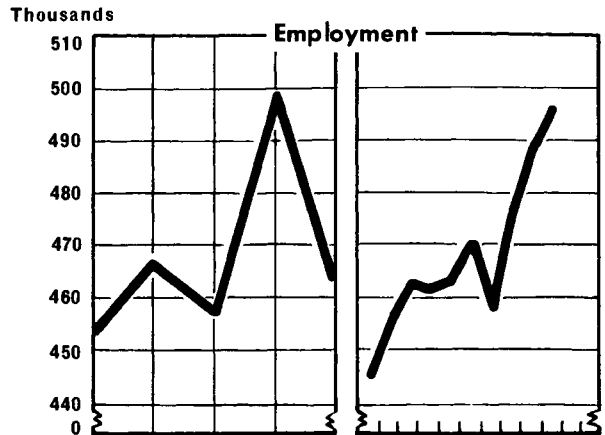
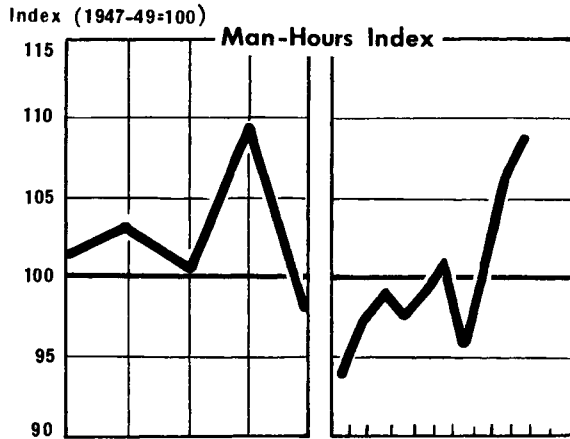
October 1955 data are preliminary

UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

Chart 19. Copies of this page
available upon request.

THE MISCELLANEOUS MANUFACTURING INDUSTRIES* SINCE 1950

Annual Average 1950-54; Monthly 1955

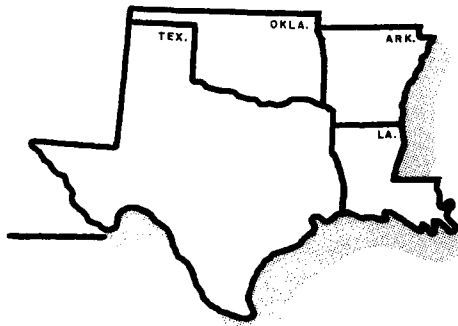


*Includes jewelry, silverware, musical instruments, toys, office supplies, costume jewelry, fabricated plastics, and other manufacturing.

October 1955 data are preliminary

Chart 20. Copies of this page available upon request.

UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS



Regional Patterns in Employment and Earnings

Part III. WEST SOUTH CENTRAL STATES

This is the third of a series which will review developments in employment and earnings since 1950 in each of a group of generally homogeneous States.

Introduction

The four States comprising the West South Central region vary considerably in climate, resources and industrial composition. Their economic development during recent years has also been dissimilar. The area has long been based on the extractive industries and agriculture, with cattle, cotton, and oil the chief products.

Although demand for oil has grown rapidly since World War II, large oil fields have been developed abroad and in other areas of this country, so that much of the increased demand has been met by producers outside of the West South Central Region. The area's oil producing capacity has become increasingly larger than the actual production of oil. Cotton production has been held down by drought and acreage allotments. Cattle marketings were up in 1954, and this may have reflected, in part, forced sales as a result of drought.

In comparison to the Northern and Eastern sections of the country, the area is still relatively unindustrialized, but a fairly rapid industrial growth has been of increasing significance in recent years. Expansion has been particularly noticeable in transportation equipment, primary metals, and nonelectric machinery in durable goods. Growth in chemicals, petroleum, and apparel among the nondurables has also been apparent.

Well over half of all manufacturing employment in the area is concentrated in Texas, with 20 percent in Louisiana. The remaining 2 States each have fewer than 100,000 factory workers. Roughly two-thirds of the metalworking employment is in Texas and over half of the workers in the expanding apparel, chemicals, and petroleum products industries are also located there. Of the small number of factory workers in Oklahoma, 40 percent are engaged in metalworking.

Table 1. Nonagricultural employment, by industry, West South Central States, 1950-54

(In thousands)

Industry	All employees				
	1954	1953	1952	1951	1950
Nonagricultural.....	3,724.1	3,779.4	3,717.6	3,573.0	3,304.1
Mining.....	214.0	207.6	204.1	192.8	178.7
Contract construction.....	247.7	272.1	281.2	278.6	234.2
Manufacturing.....	739.8	767.0	737.1	703.6	634.7
Food.....	120.3	122.0	121.4	119.9	117.5
Printing.....	38.8	38.5	37.2	35.8	35.0
Paper ^{1/}	28.3	28.3	26.4	27.1	24.6
Chemicals ^{1/}	62.3	62.9	58.1	56.0	50.1
Lumber and furniture ^{1/}	89.9	97.3	103.2	112.9	110.2
Textiles and apparel ^{1/}	54.3	56.6	53.6	52.1	49.7
Petroleum.....	75.4	76.3	74.8	73.3	68.5
Transportation and public utilities.....	383.5	400.2	399.9	393.3	376.1
Trade.....	957.8	960.9	947.8	909.3	856.1
Finance, insurance, and real estate.....	150.5	146.8	137.4	127.4	119.5
Service and miscellaneous.....	429.8	428.4	426.9	409.8	385.0
Government.....	601.0	596.4	583.1	558.1	519.7

^{1/} Excludes a small number of workers (less than 5%) for whom data are not available.

Chart 1. Percent Change in Employment BY INDUSTRY DIVISION

West South Central States, 1950 and 1954

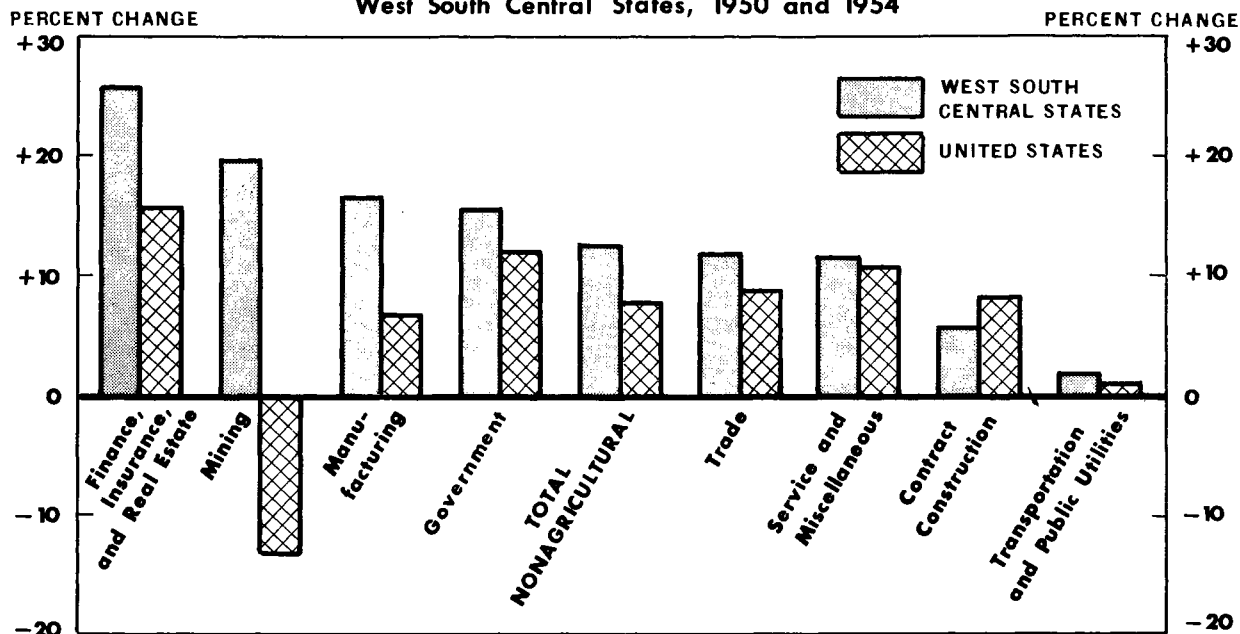
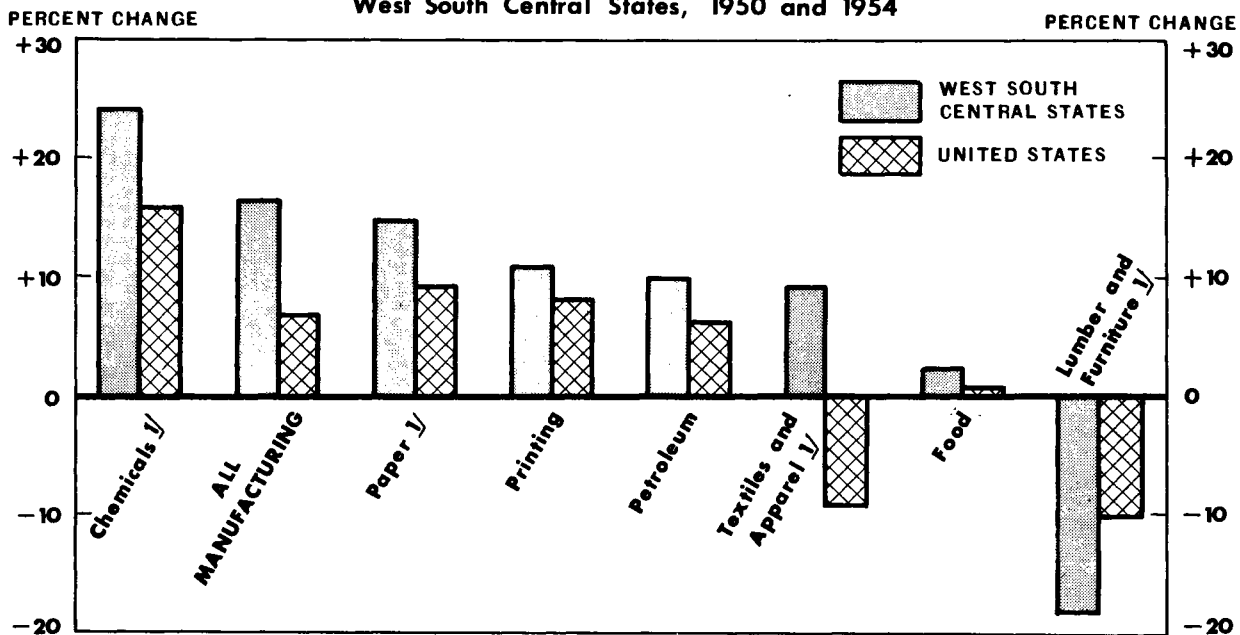


Chart 2. Percent Change in Employment SELECTED MANUFACTURING INDUSTRIES

West South Central States, 1950 and 1954



UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

^{1/} Excludes a small number of workers (less than 5%) for whom data are not available

The area has been subject to recurring droughts in recent years. The western half of the region in particular is faced with the problem of providing an adequate water supply for potential industrial development.

Out-migration of population from Arkansas and Oklahoma is also a matter of concern. Since a large proportion of migrants are generally in the working-age groups, an out-migration represents a continuous drain on the labor force of these States.

Employment

Total nonagricultural employment increased 12-1/2 percent between 1950 and 1954, or considerably more than the increase in population. It is also larger than the increase in national nonagricultural employment and was accomplished despite an out-migration of almost 200,000 persons.

The greatest relative increase since 1950 in nonagricultural payrolls occurred in Texas and Oklahoma, 14 percent and 13 percent, respectively. Arkansas, with by far the smallest number of nonagricultural workers at the beginning of the period, registered very little growth by 1954.

Employment in mining increased 20 percent, in sharp contrast to the national decline of 13 percent in this industry, as a result of the heavy concentration of this region's mining employment in the crude-petroleum and natural-gas segment, which has been on the upswing. Anthracite and bituminous-coal mining, chief factor in the national decline, is almost nonexistent in this area.

A remarkable 26-percent increase took place in the finance, insurance, and real estate industry division in Texas. The number of legal reserve life insurance companies in Texas has more than doubled in 4 years and the State now has over 30 home offices. To a much smaller degree, Louisiana has also expanded in this field.

Table 2. Source of change in civilian population, United States and West South Central States, April 1950 - July 1953
(In thousands)

Source of change	Number of persons	
	United States	West South Central
Net increase.....	6,405	647
Additions:		
Births.....	12,353	1,332
Net migration.....	992	-
Subtractions:		
Net migration.....	-	87
Deaths.....	4,825	409
Net movement to Armed Forces.	2,115	188

Source: U. S. Department of Commerce
Bureau of the Census

In line with increased industrialization, manufacturing employment rose one-sixth, with the major portion of the increase in durable-goods industries. Substantial increases have occurred in primary metals, nonelectric machinery, and transportation equipment. These three industries combined accounted for 15 percent of the total value added by manufacture in the area in 1950 and 20 percent in 1953 (the latest year for which data are available). After an extraordinary increase of over 130 percent, transportation equipment ranked fourth among the area's manufacturing industries. The major part of the increase was in aircraft, located primarily in Texas and to some extent in Oklahoma. A small portion of the automobile industry is also in Texas.

A continued decline in lumber and furniture employment has totalled 18 percent, as lumber production was steadily curtailed.

Among nondurable-goods industries, the relatively small chemicals industry showed a 25-percent increase in 4 years, and now ranks fifth among industries in the region. Petroleum products also increased by 10 percent. The major food industry registered little change over the period.

Table 3. Hours and gross earnings of production workers in manufacturing industries, West South Central States, 1950-54

Year	Average weekly earnings	Average weekly hours	Average hourly earnings
1950.....	\$53.92	41.8	\$1.29
1951.....	59.08	41.9	1.41
1952.....	62.88	42.2	1.49
1953.....	66.56	41.6	1.60
1954.....	68.15	41.3	1.65

Earnings

Average earnings of factory workers in the 4 States have been among the lowest in the Nation. In 1950, for example, hourly earnings in manufacturing averaged \$1.29 compared to a national average of \$1.47. To some extent this resulted from the predominance of such industries as food, apparel, and lumber, which employ a relatively high percentage of low-skilled, lower wage workers. Another factor in a still comparatively unindustrialized economy such as this is the large number of unskilled workers, mostly from farms, who are available for the comparatively small number of factory jobs. Consequently there is less pressure on factories to engage in wage competition to attract job applicants and factory wages represent a considerable improvement in income as compared with farm wages.

Between 1950 and 1954, average hourly earnings of factory production workers rose 28 percent--more than double the national increase. At

\$1.65 in 1954, earnings in this area are still considerably below the national average of \$1.81, but there is apparently a trend toward a higher level. The growing importance of high-wage industries such as chemicals, petroleum, machinery, and transportation equipment tend to exert an upward pressure upon earnings averages. It is significant that regional earnings in the chemicals industry actually are above the national averages. In Arkansas, where the two major industries are still food and lumber, hourly earnings in all manufacturing are 30 percent below those in Texas, where metalworking and machinery are concentrated.

Between 1950 and 1954 the average workweek remained consistently above 41 hours, indicating that plants in this region usually schedule a considerable amount of overtime. The average workweek is generally less than the scheduled workweek because of time off for illness, vacations, and other reasons.

Because of the longer workweek, weekly earnings of production workers compared more favorably with national figures than did hourly earnings. Weekly earnings in manufacturing were \$68.15 for the region and \$71.86 for the Nation in 1954.

Table 4. Value added by manufacture, by industry, West South Central States, 1950 and 1953

Industry	1953	1950	Percent change
	(Millions)	(Millions)	
All industries.....	\$5,647	\$3,849	+ 46.7
Food.....	857	628	+ 36.5
Textiles.....	57	46	+ 23.9
Apparel.....	140	(1/)	-
Lumber.....	266	255	+ 4.3
Furniture.....	83	71	+ 16.9
Paper.....	267	211	+ 26.5
Printing.....	244	215	+ 13.5
Chemicals.....	1,113	763	+ 45.9
Petroleum.....	849	584	+ 45.4
Stone, clay, and glass	202	184	+ 9.8
Primary metals.....	249	128	+ 94.5
Machinery (exc. elec.)	362	230	+ 57.4
Electrical machinery..	42	21	+100.0
Transportation equip..	486	209	+132.5
Instruments.....	30	9	+233.3
Leather.....	27	18	+ 50.0
Fabricated metals.....	186	107	+ 73.8

1/ Not available.

Source: U. S. Department of Commerce
Bureau of the Census

Prepared by Shirley J. Bosshard, Division of Manpower and Employment Statistics.

Reprints will be available upon request.

**Table A-1: Employees in nonagricultural establishments,
by industry division**

(In thousands)

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscellaneous	Government
<u>Annual average:</u>									
1919.....	26,829	1,124	1,021	10,534	3,711	4,664	1,050	2,054	2,671
1920.....	27,088	1,230	848	10,534	3,998	4,623	1,110	2,142	2,603
1921.....	24,125	953	1,012	8,132	3,459	4,754	1,097	2,187	2,531
1922.....	25,569	920	1,185	8,986	3,505	5,084	1,079	2,268	2,542
1923.....	28,128	1,203	1,229	10,155	3,882	5,494	1,123	2,431	2,611
1924.....	27,770	1,092	1,321	9,523	3,806	5,626	1,163	2,516	2,723
1925.....	28,505	1,080	1,446	9,786	3,824	5,810	1,166	2,591	2,802
1926.....	29,539	1,176	1,555	9,997	3,940	6,033	1,235	2,755	2,848
1927.....	29,691	1,105	1,608	9,839	3,891	6,165	1,295	2,871	2,917
1928.....	29,710	1,041	1,606	9,786	3,822	6,137	1,360	2,962	2,996
1929.....	31,041	1,078	1,497	10,534	3,907	6,401	1,431	3,127	3,066
1930.....	29,143	1,000	1,372	9,401	3,675	6,064	1,398	3,084	3,149
1931.....	26,383	864	1,214	8,021	3,243	5,531	1,333	2,913	3,264
1932.....	23,377	722	970	6,797	2,804	4,907	1,270	2,682	3,225
1933.....	23,466	735	809	7,258	2,659	4,999	1,225	2,614	3,167
1934.....	25,699	974	862	8,346	2,736	5,552	1,247	2,784	3,298
1935.....	26,792	888	912	8,907	2,771	5,692	1,262	2,883	3,477
1936.....	28,802	937	1,145	9,653	2,956	6,076	1,313	3,060	3,662
1937.....	30,718	1,006	1,112	10,606	3,114	6,543	1,355	3,233	3,749
1938.....	28,902	882	1,055	9,253	2,840	6,453	1,347	3,196	3,876
1939.....	30,311	845	1,150	10,078	2,912	6,612	1,399	3,321	3,995
1940.....	32,058	916	1,294	10,780	3,013	6,940	1,436	3,477	4,202
1941.....	36,220	947	1,790	12,974	3,248	7,416	1,480	3,705	4,660
1942.....	39,779	983	2,170	15,051	3,433	7,333	1,469	3,857	5,483
1943.....	42,106	917	1,567	17,381	3,619	7,189	1,435	3,919	6,080
1944.....	41,534	883	1,094	17,111	3,798	7,260	1,409	3,934	6,043
1945.....	40,037	826	1,132	15,302	3,872	7,522	1,428	4,011	5,944
1946.....	41,287	852	1,661	14,461	4,023	8,602	1,619	4,474	5,595
1947.....	43,462	943	1,982	15,290	4,122	9,196	1,672	4,783	5,474
1948.....	44,448	982	2,169	15,321	4,141	9,519	1,741	4,925	5,650
1949.....	43,315	918	2,165	14,178	3,949	9,513	1,765	4,972	5,856
1950.....	44,738	889	2,333	14,967	3,977	9,645	1,824	5,077	6,026
1951.....	47,347	916	2,603	16,104	4,166	10,012	1,892	5,264	6,389
1952.....	48,303	885	2,634	16,334	4,185	10,281	1,967	5,411	6,609
1953.....	49,681	852	2,622	17,238	4,221	10,527	2,038	5,538	6,645
1954.....	48,285	770	2,527	15,989	4,008	10,498	2,114	5,629	6,751
1954: September..	48,490	744	2,698	15,972	4,023	10,447	2,141	5,719	6,746
October...	48,580	743	2,652	16,007	4,005	10,548	2,136	5,660	6,829
November..	48,808	749	2,598	16,057	3,986	10,745	2,134	5,622	6,917
December..	49,463	747	2,426	16,050	3,996	11,354	2,136	5,588	7,165
1955: January...	47,741	741	2,237	15,925	3,927	10,419	2,124	5,533	6,835
February..	47,753	737	2,169	16,060	3,937	10,309	2,132	5,536	6,873
March.....	48,212	739	2,255	16,201	3,966	10,408	2,150	5,571	6,922
April.....	48,643	739	2,399	16,255	3,939	10,549	2,161	5,674	6,927
May.....	48,918	742	2,526	16,334	3,997	10,534	2,171	5,733	6,881
June.....	49,508	760	2,615	16,577	4,081	10,643	2,206	5,775	6,851
July.....	49,420	749	2,701	16,475	4,113	10,633	2,237	5,816	6,696
August....	49,858	754	2,746	16,807	4,137	10,638	2,241	5,818	6,717
September..	50,322	758	2,748	16,915	4,152	10,824	2,223	5,791	6,911
October...	50,461	750	2,682	16,985	4,143	10,906	2,212	5,729	7,054

Industry Employment

Table A-2: All employees and production workers in nonagricultural establishments, by industry

(In thousands)

Industry	All employees			Production workers		
	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
TOTAL	50,461	50,322	48,580	-	-	-
MINING	750	758	743	-	-	-
METAL MINING	98.8	100.1	90.5	84.9	85.8	76.7
Iron mining.....	35.0	36.3	32.9	30.6	31.6	28.4
Copper mining.....	29.2	29.2	24.8	25.0	24.9	20.7
Lead and zinc mining.....	14.9	15.1	14.6	12.7	12.9	12.2
ANTHRACITE	34.6	33.9	43.4	31.1	30.6	39.7
BITUMINOUS-COAL	209.5	208.8	211.0	191.9	191.7	192.4
CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION	298.3	305.1	292.3	-	-	-
Petroleum and natural-gas production (except contract services).....	-	-	-	122.3	126.0	127.4
NONMETALLIC MINING AND QUARRYING	108.5	109.9	106.2	93.4	94.3	91.2
CONTRACT CONSTRUCTION	2,682	2,748	2,652	-	-	-
NONBUILDING CONSTRUCTION	565	584	553	-	-	-
Highway and street.....	266.6	279.5	252.6	-	-	-
Other nonbuilding construction.....	298.7	304.0	300.7	-	-	-
BUILDING CONSTRUCTION	2,117	2,164	2,099	-	-	-
GENERAL CONTRACTORS	826.3	851.4	877.2	-	-	-
SPECIAL-TRADE CONTRACTORS	1,291.0	1,312.3	1,221.9	-	-	-
Plumbing and heating.....	296.3	300.0	291.1	-	-	-
Painting and decorating.....	157.2	161.1	148.4	-	-	-
Electrical work.....	152.6	152.3	155.5	-	-	-
Other special-trade contractors.....	684.9	698.9	626.9	-	-	-
MANUFACTURING	16,985	16,915	16,007	13,442	13,373	1,2612
DURABLE GOODS	9,752	9,645	9,002	7,726	7,623	7,081
NONDURABLE GOODS	7,233	7,270	7,005	5,716	5,750	5,531
ORDNANCE AND ACCESSORIES	127.0	130.5	143.9	83.8	86.5	99.9
FOOD AND KINDRED PRODUCTS	1,634.5	1,693.9	1,612.1	1,188.4	1,245.3	1,180.4
Meat products.....	335.7	334.6	331.4	264.7	262.9	262.2
Dairy products.....	119.2	125.5	116.3	78.0	83.0	76.3
Canning and preserving.....	291.4	358.5	274.1	258.1	325.1	244.2
Grain-mill products.....	119.9	119.1	122.6	86.8	85.7	89.5
Bakery products.....	290.3	289.0	286.7	173.9	173.2	175.1
Sugar.....	43.8	31.0	47.3	37.3	25.6	41.0
Confectionery and related products....	88.7	84.8	89.7	74.2	70.5	75.3
Beverages.....	209.5	213.6	207.7	120.3	122.2	118.6
Miscellaneous food products.....	136.0	137.8	136.3	95.1	97.1	98.2
TOBACCO MANUFACTURES	121.3	122.2	121.2	113.0	113.5	111.6
Cigarettes.....	33.7	33.9	32.9	30.6	30.7	29.7
Cigars.....	39.3	38.9	40.7	37.7	37.1	38.7
Tobacco and snuff.....	7.3	7.5	7.7	6.3	6.4	6.6
Tobacco stemming and redrying.....	41.0	41.9	39.9	38.4	39.3	36.6

Table A-2: All employees and production workers in nonagricultural establishments, by industry - Continued

Industry	(In thousands)					
	All employees			Production workers		
	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
TEXTILE-MILL PRODUCTS	1,083.7	1,081.2	1,072.6	991.0	988.5	979.4
Scouring and combing plants.....	6.3	6.5	6.3	5.7	5.9	5.7
Yarn and thread mills.....	129.7	130.6	127.9	120.2	120.9	118.4
Broad-woven fabric mills.....	465.9	466.2	467.8	438.4	438.4	439.8
Narrow fabrics and smallwares.....	31.9	31.6	30.4	28.1	27.8	26.5
Knitting mills.....	231.0	228.1	225.5	210.5	207.5	204.2
Dyeing and finishing textiles.....	88.7	88.7	88.3	77.4	77.5	77.5
Carpets, rugs, other floor coverings.....	50.8	50.6	51.2	42.9	42.7	42.9
Hats (except cloth and millinery.....	12.4	12.7	12.9	10.9	11.2	11.4
Miscellaneous textile goods.....	67.0	66.2	62.3	56.9	56.6	53.0
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	1,255.2	1,246.3	1,184.4	1,123.3	1,114.6	1,056.6
Men's and boys' suits and coats.....	123.4	123.9	118.6	111.6	111.7	106.4
Men's and boys' furnishings and work clothing.....	328.6	327.5	304.2	303.6	302.3	281.4
Women's outerwear.....	367.1	366.5	345.4	324.6	324.7	305.1
Women's, children's under garments.....	123.9	120.7	116.7	111.6	108.1	103.5
Millinery.....	22.1	22.4	21.6	19.5	19.9	19.2
Children's outerwear.....	71.5	72.1	71.1	64.6	65.2	64.6
Fur goods.....	11.5	11.3	11.6	8.8	8.7	8.7
Miscellaneous apparel and accessories.....	66.7	66.2	65.1	60.2	59.6	58.3
Other fabricated textile products.....	140.4	135.7	130.1	118.8	114.4	109.4
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)	786.3	795.5	759.0	715.7	726.0	691.6
Logging camps and contractors.....	117.5	122.5	110.0	110.2	115.5	103.6
Sawmills and planing mills.....	412.1	416.7	403.1	382.7	387.2	374.2
Millwork, plywood, and prefabricated structural wood products.....	143.6	144.3	135.6	120.3	121.8	114.5
Wooden containers.....	53.4	52.9	55.0	49.3	48.9	50.8
Miscellaneous wood products.....	59.7	59.1	55.3	53.2	52.6	48.5
FURNITURE AND FIXTURES	379.3	376.1	355.7	322.7	319.8	301.3
Household furniture.....	268.1	265.2	254.2	234.6	231.9	221.8
Office, public-building, and professional furniture.....	44.2	44.1	41.0	36.0	35.8	32.9
Partitions, shelving, lockers, and fixtures.....	37.9	38.0	34.3	29.3	29.5	26.2
Screens, blinds, and miscellaneous furniture and fixtures.....	29.1	28.8	26.2	22.8	22.6	20.4
PAPER AND ALLIED PRODUCTS	563.2	560.2	536.4	465.1	461.7	443.9
Pulp, paper, and paperboards mills.....	273.9	273.4	263.0	229.3	228.8	221.5
Paperboard containers and boxes.....	158.5	156.9	149.7	131.2	129.2	124.0
Other paper and allied products.....	130.8	129.9	123.7	104.6	103.7	98.4
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	827.3	820.7	806.6	535.5	530.4	519.5
Newspapers.....	301.4	300.5	294.0	150.7	150.0	147.3
Periodicals.....	63.6	62.8	62.9	27.2	26.6	26.1
Books.....	49.1	49.1	49.3	30.1	30.0	30.1
Commercial printing.....	217.5	215.3	209.7	176.8	175.0	169.6
Lithographing.....	62.5	61.5	61.0	47.5	46.8	46.7
Greeting cards.....	20.6	19.7	19.8	15.3	14.6	14.7
Bookbinding and related industries.....	45.7	45.0	43.1	36.9	36.3	34.1
Miscellaneous publishing and printing services.....	66.9	66.8	66.8	51.0	51.1	50.9

Industry Employment

Table A-2: All employees and production workers in nonagricultural establishments, by industry - Continued

(In thousands)

Industry	All employees			Production workers		
	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
CHEMICALS AND ALLIED PRODUCTS.....	826.0	821.7	793.1	557.1	552.8	533.9
Industrial inorganic chemicals.....	110.2	109.5	103.3	78.1	77.4	73.2
Industrial organic chemicals.....	312.3	314.2	295.5	217.2	218.4	202.0
Drugs and medicines.....	91.7	91.9	92.7	54.8	54.8	57.8
Soap, cleaning and polishing preparations.....	51.4	51.2	50.4	31.2	31.1	30.8
Paints, pigments, and fillers.....	71.9	72.2	69.5	45.8	46.0	43.9
Gum and wood chemicals.....	8.1	8.0	7.7	6.9	6.8	6.5
Fertilizers.....	35.3	34.5	35.1	26.3	25.6	26.3
Vegetable and animal oils and fats.....	46.7	42.7	47.0	33.1	30.0	34.0
Miscellaneous chemicals.....	98.4	97.5	91.9	63.7	62.7	59.4
PRODUCTS OF PETROLEUM AND COAL.....	251.9	254.3	251.9	171.6	174.1	174.5
Petroleum refining.....	200.5	202.1	202.9	129.9	131.6	135.1
Coke, other petroleum and coal products..	51.4	52.2	49.0	41.7	42.5	39.4
RUBBER PRODUCTS.....	284.6	281.7	257.5	226.3	223.1	201.6
Tires and inner tubes.....	119.4	119.3	111.1	92.3	91.9	83.9
Rubber footwear.....	29.8	28.9	27.0	24.5	23.5	21.9
Other rubber products.....	135.4	133.5	119.4	109.5	107.7	95.8
LEATHER AND LEATHER PRODUCTS.....	385.0	387.4	369.2	344.6	346.0	329.6
Leather: tanned, curried, and finished...	43.6	43.5	42.7	39.2	39.0	38.4
Industrial leather belting and packing...	5.1	5.0	4.6	4.0	3.9	3.5
Boot and shoe cut stock and findings....	16.3	16.0	15.1	14.5	14.2	13.3
Footwear (except rubber).....	246.5	249.6	237.6	222.4	224.4	213.1
Luggage.....	19.6	19.5	17.9	16.9	16.8	15.5
Handbags and small leather goods.....	33.9	33.5	33.0	30.2	30.0	29.9
Gloves and miscellaneous leather goods...	20.0	20.3	18.3	17.4	17.7	15.9
STONE, CLAY, AND GLASS PRODUCTS.....	567.3	566.8	521.4	478.9	478.5	437.6
Flat glass.....	33.5	33.0	30.2	30.1	29.7	27.1
Glass and glassware, pressed or blown....	95.7	96.8	89.1	81.6	82.7	75.9
Glass products made of purchased glass...	18.0	17.7	16.5	15.3	15.2	14.2
Cement, hydraulic.....	44.2	44.5	42.9	37.1	37.4	36.0
Structural clay products.....	84.4	84.8	77.1	75.7	76.1	68.6
Pottery and related products.....	55.8	54.6	52.9	49.4	48.3	46.9
Concrete, gypsum, and plaster products...	117.4	117.7	106.2	97.2	97.5	86.8
Cut-stone and stone products.....	20.7	20.8	20.3	18.2	18.2	17.8
Miscellaneous nonmetallic mineral products.....	97.6	96.9	86.2	74.3	73.4	64.3
PRIMARY METAL INDUSTRIES.....	1,342.4	1,341.1	1,161.1	1,137.5	1,134.3	969.4
Blast furnaces, steel works, and rolling mills.....	653.1	661.9	567.4	560.5	567.5	481.2
Iron and steel foundries.....	252.9	248.8	207.2	223.0	218.9	179.2
Primary smelting and refining of nonferrous metals.....	68.4	68.2	61.5	55.1	54.7	49.4
Secondary smelting and refining of nonferrous metals.....	13.1	13.1	12.2	10.1	9.9	9.0
Rolling, drawing, and alloying of nonferrous metals.....	112.4	110.8	103.4	89.5	88.4	82.5
Nonferrous foundries.....	88.3	86.5	77.0	74.2	72.1	62.7
Miscellaneous primary metal industries...	154.2	151.8	132.4	125.1	122.8	105.4

Table A-2: All employees and production workers in nonagricultural establishments, by industry - Continued

(In thousands)

Industry	All employees			Production workers		
	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
FABRICATED METAL PRODUCTS (EXCEPT ORD-NANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)	1,119.4	1,110.0	1,035.7	903.1	894.4	829.4
Tin cans and other tinware.....	61.3	63.1	57.2	53.6	55.6	50.0
Cutlery, hand tools, and hardware.....	151.3	147.6	140.4	123.9	121.0	113.5
Heating apparatus (except electric) and plumbers' supplies.....	139.3	139.1	130.3	111.0	110.5	102.8
Fabricated structural metal products.....	286.9	290.0	277.0	216.3	219.3	210.1
Metal stamping, coating, and engraving...	222.2	217.4	201.7	185.7	181.3	167.2
Lighting fixtures.....	48.8	47.6	43.6	39.9	38.4	34.5
Fabricated wire products.....	66.5	63.9	57.6	55.2	53.0	47.6
Miscellaneous fabricated metal products..	143.1	141.3	127.9	117.5	115.3	103.7
MACHINERY (EXCEPT ELECTRICAL)	1,612.5	1,563.8	1,489.2	1,196.3	1,149.3	1,092.5
Engines and turbines.....	85.3	80.1	74.1	62.3	57.2	52.3
Agricultural machinery and tractors.....	163.8	130.4	138.6	122.0	90.3	99.6
Construction and mining machinery.....	136.5	134.9	121.1	99.9	98.5	86.7
Metalworking machinery.....	260.0	262.5	253.3	198.7	200.8	193.3
Special-industry machinery (except metalworking machinery).....	183.1	182.8	173.8	130.5	130.0	123.5
General industrial machinery.....	240.4	240.4	227.1	163.0	162.3	152.7
Office and store machines and devices....	107.4	106.9	104.9	82.5	82.6	83.0
Service-industry and household machines..	173.7	167.4	165.5	130.8	124.7	123.5
Miscellaneous machinery parts.....	262.3	258.4	230.8	206.6	202.9	177.9
ELECTRICAL MACHINERY	1,192.3	1,163.3	1,091.6	884.4	854.7	799.9
Electrical generating, transmission, distribution, and industrial apparatus..	379.6	375.9	360.1	267.6	264.0	250.6
Electrical appliances.....	74.3	70.6	65.2	61.5	57.4	52.7
Insulated wire and cable.....	27.7	26.8	25.2	22.1	21.2	20.4
Electrical equipment for vehicles.....	79.7	78.3	64.9	65.1	63.6	50.6
Electric lamps.....	26.6	26.2	24.6	23.3	22.8	21.3
Communication equipment.....	553.5	536.6	505.3	406.1	389.1	370.1
Miscellaneous electrical products.....	50.9	48.9	46.3	38.7	36.6	34.2
TRANSPORTATION EQUIPMENT	1,806.2	1,791.2	1,657.9	1,370.2	1,356.5	1,249.0
Automobiles.....	860.8	851.1	730.1	700.6	689.4	579.6
Aircraft and parts.....	755.8	749.3	748.0	514.9	510.1	522.1
Aircraft.....	489.3	485.5	466.2	334.7	332.1	323.5
Aircraft engines and parts.....	144.9	143.2	151.6	92.3	91.4	102.0
Aircraft propellers and parts.....	13.6	13.5	16.1	9.1	9.0	11.3
Other aircraft parts and equipment.....	108.0	107.1	114.1	78.8	77.6	85.3
Ship and boat building and repairing.....	118.7	120.1	120.3	100.4	102.6	103.8
Shipbuilding and repairing.....	97.2	98.9	102.1	81.9	84.4	88.4
Boatbuilding and repairing.....	21.5	21.2	18.2	18.5	18.2	15.4
Railroad equipment.....	60.0	60.0	48.9	45.1	45.5	34.7
Other transportation equipment.....	10.9	10.7	10.6	9.2	8.9	8.8
INSTRUMENTS AND RELATED PRODUCTS	322.8	318.3	308.9	226.6	222.7	217.5
Laboratory, scientific, and engineering instruments.....	52.0	51.2	48.7	31.1	30.6	29.0
Mechanical measuring and controlling instruments.....	87.7	86.9	83.0	62.7	61.8	58.7
Optical instruments and lenses.....	12.7	12.7	13.3	9.9	9.9	10.4
Surgical, medical, and dental instruments.....	41.4	41.0	39.5	28.8	28.6	27.2
Ophthalmic goods.....	25.2	24.6	23.1	20.0	19.5	18.3
Photographic apparatus.....	68.6	67.1	66.7	45.3	43.8	45.4
Watches and clocks.....	35.2	34.8	34.6	28.8	28.5	28.5

Table A-3: All employees and production workers in nonagricultural establishments, by industry - Continued

(In thousands)

Industry	All employees			Production workers		
	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
MISCELLANEOUS MANUFACTURING INDUSTRIES...	496.2	488.4	478.0	406.4	400.4	393.0
Jewelry, silverware, and plated ware....	54.9	54.0	56.3	44.1	43.7	45.7
Musical instruments and parts.....	18.5	18.3	17.5	15.7	15.6	15.1
Toys and sporting goods.....	95.6	94.7	90.4	81.1	80.5	76.3
Pens, pencils, other office supplies....	29.9	29.9	29.8	22.2	22.2	22.4
Costume jewelry, buttons, notions.....	69.4	67.6	67.7	57.6	56.2	56.9
Fabricated plastics products.....	81.6	79.2	71.1	66.9	64.4	58.0
Other manufacturing industries.....	146.3	144.7	145.2	118.8	117.8	118.6
TRANSPORTATION AND PUBLIC UTILITIES.....	4,143	4,152	4,005	-	-	-
TRANSPORTATION.....	2,787	2,793	2,690	-	-	-
Interstate railroads.....	1,236.0	1,242.0	1,202.9	-	-	-
Class I railroads.....	1,087.2	1,092.1	1,055.1	-	-	-
Local railways and bus lines.....	115.2	116.2	124.0	-	-	-
Trucking and warehousing.....	800.9	791.4	737.0	-	-	-
Other transportation and services.....	634.8	643.2	625.8	-	-	-
Bus lines, except local.....	44.4	45.1	44.5	-	-	-
Air transportation (common carrier)....	118.0	117.2	104.4	-	-	-
COMMUNICATION.....	773	770	736	-	-	-
Telephone.....	729.4	727.5	693.9	-	-	-
Telegraph.....	42.6	41.9	41.0	-	-	-
OTHER PUBLIC UTILITIES.....	583	589	579	-	-	-
Gas and electric utilities.....	560.4	566.2	556.4	-	-	-
Electric light and power utilities.....	249.9	253.0	248.0	-	-	-
Gas utilities.....	142.2	143.2	140.1	-	-	-
Electric light and gas utilities combined.....	168.3	170.0	168.3	-	-	-
Local utilities, not elsewhere classified.....	22.7	22.9	22.5	-	-	-
WHOLESALE AND RETAIL TRADE.....	10,906	10,824	10,548	-	-	-
WHOLESALE TRADE.....	2,903	2,879	2,819	-	-	-
RETAIL TRADE.....	8,003	7,945	7,729	-	-	-
General merchandise stores.....	1,439.3	1,394.7	1,398.4	-	-	-
Food and liquor stores.....	1,536.7	1,515.7	1,460.2	-	-	-
Automotive and accessories dealers.....	783.6	785.3	749.4	-	-	-
Apparel and accessories stores.....	605.5	592.0	597.5	-	-	-
Other retail trade.....	3,637.6	3,657.4	3,523.2	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE.....	2,212	2,223	2,136	-	-	-
Banks and trust companies.....	555.8	555.6	529.5	-	-	-
Security dealers and exchanges.....	79.0	78.9	69.2	-	-	-
Insurance carriers and agents.....	795.3	798.0	775.8	-	-	-
Other finance agencies and real estate...	782.0	790.0	761.2	-	-	-
SERVICE AND MISCELLANEOUS.....	5,729	5,791	5,660	-	-	-
Hotels and lodging places.....	470.5	509.1	474.4	-	-	-
Personal services:						
Laundries.....	334.2	335.6	329.5	-	-	-
Cleaning and dyeing plants.....	157.6	154.9	159.8	-	-	-
Motion pictures.....	236.2	240.6	236.7	-	-	-
GOVERNMENT.....	7,054	6,911	6,829	-	-	-
FEDERAL.....	2,172	2,173	2,147	-	-	-
STATE AND LOCAL.....	4,882	4,738	4,682	-	-	-

Table A-3: Indexes of production-worker employment and weekly payroll in manufacturing

Year and month	Production-worker employment		Production-worker payroll index (1947-49 = 100)
	Number (in thousands)	Index (1947-49 = 100)	
Annual average:			
1919.....	8,495	68.7	31.1
1920.....	8,529	69.0	37.1
1921.....	6,528	52.8	24.0
1922.....	7,223	58.4	25.7
1923.....	8,269	66.9	32.6
1924.....	7,678	62.1	30.4
1925.....	7,947	64.2	32.1
1926.....	8,097	65.5	33.0
1927.....	7,923	64.1	32.4
1928.....	7,937	64.2	32.8
1929.....	8,445	68.3	35.0
1930.....	7,358	59.5	28.3
1931.....	6,212	50.2	21.5
1932.....	5,275	42.6	14.8
1933.....	5,840	47.2	15.9
1934.....	6,811	55.1	20.4
1935.....	7,269	58.8	23.5
1936.....	7,900	63.9	27.2
1937.....	8,666	70.1	32.6
1938.....	7,372	59.6	25.3
1939.....	8,192	66.2	29.9
1940.....	8,811	71.2	34.0
1941.....	10,877	87.9	49.3
1942.....	12,854	103.9	72.2
1943.....	15,014	121.4	99.0
1944.....	14,607	118.1	102.8
1945.....	12,864	104.0	87.8
1946.....	12,105	97.9	81.2
1947.....	12,795	103.4	97.7
1948.....	12,715	102.8	105.1
1949.....	11,597	93.8	97.2
1950.....	12,317	99.6	111.7
1951.....	13,155	106.4	129.8
1952.....	13,144	106.3	136.6
1953.....	13,833	111.8	151.4
1954.....	12,588	101.8	137.7
1954: September.....	12,577	101.7	138.0
October.....	12,612	102.0	139.1
November.....	12,657	102.3	142.2
December.....	12,645	102.2	143.1
1955: January.....	12,523	101.2	141.5
February.....	12,649	102.3	144.4
March.....	12,778	103.3	146.6
April.....	12,816	103.6	146.7
May.....	12,882	104.1	150.1
June.....	13,086	105.8	152.1
July.....	12,951	104.7	151.0
August.....	13,262	107.2	154.6
September.....	13,373	108.1	158.7
October.....	13,442	108.7	161.1

Shipyards

Table A-4: Employees in Government and private shipyards, by region

(In thousands)

Region ^{1/}	1955		1954
	October	September	October
ALL REGIONS	204.2	206.5	209.5
PRIVATE YARDS	97.2	98.9	102.1
NAVY YARDS	107.0	107.6	107.4
NORTH ATLANTIC	87.4	88.3	87.0
Private yards.....	40.7	41.2	39.9
Navy yards ^{2/}	46.7	47.1	47.1
SOUTH ATLANTIC	35.3	36.5	37.4
Private yards.....	14.2	15.4	17.2
Navy yards.....	21.1	21.1	20.2
GULF:			
Private yards.....	21.5	22.6	23.5
PACIFIC	51.2	50.3	53.7
Private yards.....	12.0	10.9	13.6
Navy yards.....	39.2	39.4	40.1
GREAT LAKES:			
Private yards.....	3.4	3.3	4.2
INLAND:			
Private yards.....	5.4	5.5	3.7

^{1/} The North Atlantic region includes all yards bordering on the Atlantic in the following States: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

The South Atlantic region includes all yards bordering on the Atlantic in the following States: Florida, Georgia, North Carolina, South Carolina, and Virginia.

The Gulf region includes all yards bordering on the Gulf of Mexico in the following States: Alabama, Florida, Louisiana, Mississippi, and Texas.

The Pacific region includes all yards in California, Oregon, and Washington.

The Great Lakes region includes all yards bordering on the Great Lakes in the following States: Illinois, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin.

The Inland region includes all other yards.

^{2/} Data include Curtis Bay Coast Guard Yard.

Table A-5: Federal personnel, civilian and military

(In thousands)

Branch and agency	1955		1954
	October	September	October
TOTAL FEDERAL CIVILIAN EMPLOYMENT ^{1/}	2,172	2,173	2,147
Executive ^{2/}	2,146.1	2,146.9	2,121.3
Department of Defense.....	1,036.2	1,035.1	1,011.1
Post Office Department.....	506.3	506.1	501.8
Other agencies.....	603.6	605.7	608.3
Legislative.....	21.5	21.5	22.1
Judicial.....	4.3	4.2	4.0
District of Columbia ^{3/}	230.0	229.6	226.4
Executive ^{2/}	209.6	209.2	205.5
Department of Defense.....	90.3	90.0	86.8
Post Office Department.....	3.5	8.5	6.7
Other agencies.....	110.7	110.7	110.0
Legislative.....	19.7	19.7	20.2
Judicial.....	.7	.7	.7
TOTAL MILITARY PERSONNEL ^{4/}	2,951	2,960	3,286
Army.....	1,105.1	1,109.5	1,368.3
Air Force.....	954.4	959.5	965.1
Navy.....	660.8	660.3	702.0
Marine Corps.....	201.8	201.6	221.5
Coast Guard.....	29.3	29.2	28.8

^{1/} Data refer to Continental United States only.

^{2/} Includes all executive agencies (except the Central Intelligence Agency), and Government corporations. Civilian employment in navy yards, arsenals, hospitals, and on force-account construction is also included.

^{3/} Includes all Federal civilian employment in Washington Standard Metropolitan Area (District of Columbia and adjacent Maryland and Virginia counties).

^{4/} Data refer to Continental United States and elsewhere.

**Table A-6: Employees in nonagricultural establishments,
by industry division and State**

(In thousands)

State	TOTAL			Mining			Contract construction		
	1955		1954	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
Alabama. 1/	697.4	695.9	671.4	15.6	15.7	14.3	34.4	34.4	32.9
Arizona.....	222.5	219.8	208.1	14.3	14.3	13.7	20.2	19.8	18.3
Arkansas.....	320.0	318.1	309.9	6.2	6.3	6.3	16.5	16.7	15.0
California.....	4,118.9	4,145.4	3,930.0	33.9	37.8	35.7	280.7	290.2	264.0
Colorado. 1/	437.1	438.5	418.8	14.2	14.7	13.4	29.8	30.4	28.4
Connecticut.....	(2/)	867.0	851.5	(3/)	(3/)	(3/)	(2/)	49.8	41.9
Delaware.....	-	-	-	-	-	-	-	-	-
District of Columbia.....	494.6	495.8	492.6	(4/)	(4/)	(4/)	19.7	19.3	19.3
Florida.....	876.9	857.6	843.3	7.3	6.6	7.2	84.8	85.6	81.9
Georgia.....	947.3	938.5	905.8	4.8	4.7	4.6	54.7	55.6	52.1
Idaho.....	139.3	143.3	139.9	3.8	3.9	4.5	9.0	10.1	9.9
Illinois.....	3,391.8	3,348.8	3,295.7	30.9	31.0	31.5	173.7	174.6	175.1
Indiana. 1/	1,418.4	1,413.1	1,329.3	10.6	10.6	10.4	76.3	77.0	62.0
Iowa. 1/	643.5	642.9	635.0	3.5	3.4	3.6	33.9	36.2	37.5
Kansas.....	548.8	547.9	548.4	18.5	18.7	18.2	39.6	39.9	37.5
Kentucky. 1/	-	-	-	37.2	37.6	36.8	-	-	-
Louisiana.....	701.6	699.6	699.3	39.1	39.8	35.8	47.8	47.3	51.9
Maine.....	274.3	275.2	268.6	.6	.5	.5	14.6	14.6	14.5
Maryland.....	832.9	830.5	798.3	2.2	2.2	2.2	70.9	69.6	61.5
Massachusetts.....	1,819.1	1,815.3	1,774.7	(4/)	(4/)	(4/)	89.0	91.4	78.4
Michigan.....	2,397.4	2,362.4	2,257.3	15.7	16.3	16.5	114.8	116.3	123.2
Minnesota.....	886.8	889.2	862.8	17.7	18.2	17.2	69.1	70.7	60.4
Mississippi.....	(2/)	349.5	343.6	(2/)	3.1	3.0	(2/)	18.9	16.6
Missouri.....	1,272.5	1,277.9	1,246.6	9.1	9.2	9.1	69.8	72.8	68.8
Montana.....	159.3	162.7	150.2	10.9	10.9	7.3	11.5	12.5	12.0
Nebraska.....	(2/)	362.9	355.7	(2/)	3.0	2.2	(2/)	28.5	23.7
Nevada.....	87.5	90.9	77.6	5.2	5.1	5.0	9.6	10.3	9.0
New Hampshire.....	181.9	183.3	175.6	.2	.3	.2	10.1	10.1	10.6
New Jersey.....	1,882.1	1,875.3	1,819.4	4.1	4.0	4.0	109.5	107.7	97.5
New Mexico.....	183.6	183.5	176.5	14.9	14.6	13.5	15.0	15.8	15.1
New York.....	5,967.1	5,951.6	5,909.7	10.8	10.9	11.2	250.6	252.7	246.0
North Carolina. 1/	1,062.9	1,057.5	1,031.7	3.9	4.0	3.9	52.0	52.9	50.0
North Dakota.....	(2/)	119.9	119.2	(2/)	2.1	2.1	(2/)	12.5	13.1
Ohio.....	3,095.7	3,087.7	2,953.4	22.1	22.3	21.0	162.4	165.3	161.1
Oklahoma. 1/	563.9	563.5	542.6	52.7	52.7	49.8	31.7	33.5	31.1
Oregon.....	485.6	497.1	471.5	1.4	1.6	1.3	27.4	28.8	25.2
Pennsylvania.....	3,744.1	3,729.5	3,635.5	95.4	94.8	105.4	205.1	209.2	190.3
Rhode Island.....	302.5	301.6	297.2	(4/)	(4/)	(4/)	17.7	19.0	17.7
South Carolina.....	527.6	526.7	513.3	1.1	1.1	1.0	36.9	37.9	38.1
South Dakota.....	124.6	124.7	125.3	2.4	2.4	2.5	9.2	9.1	11.1
Tennessee.....	846.2	840.8	826.2	9.4	9.4	9.3	53.7	54.6	61.0
Texas.....	2,274.5	2,274.1	2,206.0	121.7	124.9	119.9	161.1	164.1	152.0
Utah.....	231.6	234.2	218.6	15.4	15.4	13.4	16.5	17.0	14.0
Vermont.....	104.4	104.3	101.4	1.4	1.4	1.4	5.1	5.3	4.8
Virginia.....	923.3	917.1	896.2	16.5	16.3	14.1	62.1	62.3	62.4
Washington. 1/	776.8	782.1	758.1	2.3	2.4	2.4	49.2	52.3	51.7
West Virginia.....	486.4	484.2	461.1	75.1	74.8	71.1	21.8	22.8	19.4
Wisconsin.....	1,108.7	1,107.2	1,064.0	4.2	4.3	4.2	65.8	66.4	57.8
Wyoming.....	86.6	88.0	87.7	8.2	8.2	9.3	6.7	7.3	7.1

See footnotes at end of table.

**Table A-6: Employees in nonagricultural establishments,
by industry division and State - Continued**

(In thousands)

State	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1955		1954	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
Alabama	240.6	240.6	228.2	48.8	49.4	48.2	142.3	141.4	138.0
Arizona	32.6	31.8	27.7	20.4	20.4	20.2	55.2	54.7	52.4
Arkansas	86.6	86.0	81.3	29.8	29.8	30.3	76.2	76.1	75.0
California	1,145.5	1,159.5	1,072.9	330.1	343.7	332.8	930.6	922.9	888.2
Colorado	71.8	70.4	69.8	45.6	45.6	43.1	115.9	116.4	109.3
Connecticut	(2/)	413.6	410.5	(2/)	42.9	42.7	(2/)	146.2	151.0
Delaware	58.9	62.0	55.6	-	-	-	-	-	-
District of Columbia	16.0	16.0	16.2	29.0	29.4	29.2	92.2	91.5	91.0
Florida	128.1	125.0	125.2	77.9	77.4	74.8	259.0	249.8	251.5
Georgia	332.2	330.4	313.4	70.8	70.6	67.8	207.8	205.4	203.1
Idaho	26.8	28.5	26.8	16.1	16.3	15.9	35.9	36.4	35.9
Illinois	1,291.9	1,261.9	1,204.8	299.7	299.6	295.4	702.3	696.8	705.4
Indiana	630.4	627.5	576.5	102.9	102.8	99.1	288.5	287.8	278.0
Iowa	166.1	165.5	163.1	58.3	58.7	58.2	177.3	176.7	173.4
Kansas	121.7	121.5	135.7	65.4	65.7	63.9	134.2	134.9	130.1
Kentucky	169.5	164.6	153.0	57.1	57.5	56.1	129.0	128.1	126.9
Louisiana	147.6	149.2	154.6	81.3	81.4	80.6	165.7	165.5	165.3
Maine	109.8	110.1	105.6	19.9	20.2	19.7	53.0	53.0	52.8
Maryland	263.8	264.2	252.9	76.9	76.7	74.6	173.2	171.4	168.2
Massachusetts	698.0	693.1	672.3	117.0	116.8	117.3	375.7	375.8	373.3
Michigan	1,121.0	1,090.2	1,009.6	152.1	152.5	141.2	458.8	456.0	445.5
Minnesota	212.0	219.1	204.9	90.9	91.2	89.1	224.8	221.8	222.2
Mississippi	(2/)	99.9	97.4	(2/)	26.6	27.3	(2/)	84.8	83.3
Missouri	386.4	390.3	368.3	127.6	127.6	124.4	311.9	312.5	316.3
Montana	21.3	20.7	17.1	22.6	22.7	21.8	39.6	40.8	39.3
Nebraska	(2/)	59.8	59.7	(2/)	42.6	42.7	(2/)	96.6	95.8
Nevada	6.1	6.0	5.2	9.9	9.9	9.0	17.9	19.1	16.1
New Hampshire	82.0	82.1	77.5	10.9	10.8	10.5	32.3	32.5	31.9
New Jersey	820.2	817.4	792.2	148.7	148.1	145.2	336.3	335.9	327.8
New Mexico	18.1	18.0	17.0	18.6	18.9	18.2	41.9	41.9	39.4
New York	1,934.9	1,927.1	1,925.7	489.6	488.1	481.3	1,292.9	1,287.6	1,288.2
North Carolina	476.9	475.0	457.9	61.1	60.9	59.9	209.9	207.5	205.6
North Dakota	(2/)	6.9	7.0	(2/)	14.4	13.9	(2/)	37.7	37.9
Ohio	1,366.6	1,362.4	1,269.6	228.6	229.5	215.6	597.8	590.6	580.5
Oklahoma	91.6	90.6	83.2	50.9	51.1	48.9	138.4	136.9	135.1
Oregon	150.8	159.2	146.4	47.8	48.0	46.5	111.1	112.8	109.5
Pennsylvania	1,494.3	1,490.2	1,429.0	320.5	322.1	308.3	698.7	691.3	694.6
Rhode Island	137.3	136.0	134.3	15.6	15.8	15.4	55.1	54.1	54.8
South Carolina	228.4	228.9	220.5	25.3	25.0	25.3	102.0	101.5	98.3
South Dakota	12.3	12.0	11.9	10.3	10.4	10.2	39.3	39.8	39.7
Tennessee	288.9	286.7	272.3	59.2	59.3	58.0	188.7	185.9	184.5
Texas	441.2	441.7	426.9	225.4	226.6	223.4	612.2	609.9	589.9
Utah	35.8	37.2	33.8	22.8	23.3	22.4	53.4	53.6	50.6
Vermont	37.9	37.3	35.9	8.4	8.4	8.4	19.5	19.6	19.2
Virginia	253.7	252.9	247.8	85.3	85.2	79.9	204.4	201.5	199.1
Washington	214.6	216.9	204.8	64.6	66.1	63.0	179.0	175.6	173.6
West Virginia	136.6	135.9	125.7	52.4	52.6	48.8	83.8	82.4	80.7
Wisconsin	452.5	454.2	425.7	77.8	78.2	76.7	230.7	228.1	228.0
Wyoming	7.0	6.6	7.4	15.5	15.4	15.6	18.8	19.6	18.5

See footnotes at end of table.

State Employment

**Table A-6: Employees in nonagricultural establishments,
by industry division and State - Continued**

(In thousands)

State	Finance, insurance, and real estate			Service and miscellaneous			Government		
	1955		1954	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
Alabama. ^{1/}	24.7	24.6	23.1	61.7	62.0	60.2	129.3	127.8	126.5
Arizona.....	8.3	8.5	7.7	26.8	26.9	25.7	44.7	43.4	42.4
Arkansas.....	9.6	9.7	9.0	35.1	34.9	35.5	60.0	58.6	57.5
California.....	188.5	187.7	178.1	524.5	526.2	503.7	685.1	677.4	654.6
Colorado. ^{1/}	19.0	19.0	18.1	55.6	58.1	53.7	85.2	83.9	83.0
Connecticut.....	(2/)	46.0	44.8	(2/)	89.5	85.2	(2/)	79.0	75.4
Delaware.....	-	-	-	-	-	-	14.9	14.3	13.9
District of Columbia. ^{2/}	22.9	23.2	23.3	64.8	65.2	65.9	250.0	251.2	247.7
Florida.....	45.2	45.2	43.3	125.7	122.7	117.4	148.9	145.3	142.0
Georgia.....	33.9	33.9	32.5	88.7	87.5	85.8	154.4	150.4	146.5
Idaho.....	4.5	4.5	4.3	16.6	16.8	16.4	26.6	26.8	26.2
Illinois.....	169.8	170.1	167.8	376.9	376.3	374.1	346.6	338.9	341.6
Indiana. ^{1/}	47.6	47.7	45.8	106.8	107.3	104.6	155.4	152.2	152.9
Iowa. ^{1/}	28.3	28.5	27.5	72.9	73.6	71.6	103.4	100.5	100.2
Kansas.....	19.2	19.5	18.8	58.5	58.4	56.7	91.7	89.3	87.5
Kentucky. ^{1/}	19.0	19.2	18.7	65.6	65.6	64.0	99.1	97.2	93.5
Louisiana.....	25.9	25.5	23.9	78.5	78.7	75.8	115.7	112.2	111.4
Maine.....	7.6	7.6	7.4	26.4	27.5	26.5	42.4	41.7	41.6
Maryland. ^{2/}	37.7	37.3	36.5	86.8	87.3	84.6	121.4	121.8	117.8
Massachusetts.....	88.8	88.3	86.3	219.2	220.7	219.4	231.4	229.2	227.7
Michigan.....	69.8	70.2	67.5	211.6	213.6	207.3	253.6	247.4	246.6
Minnesota.....	41.3	41.7	40.1	105.2	104.2	105.1	125.8	122.2	123.8
Mississippi.....	(2/)	9.5	9.3	(2/)	36.3	36.7	(2/)	70.4	70.0
Missouri.....	61.8	62.0	60.6	151.6	151.7	148.9	154.3	151.8	150.2
Montana.....	5.7	5.7	5.1	19.7	20.4	19.6	28.0	29.0	28.0
Nebraska.....	(2/)	19.7	18.8	(2/)	45.4	44.9	(2/)	67.3	67.9
Nevada.....	2.2	2.2	1.9	23.0	24.7	18.2	13.6	13.6	13.2
New Hampshire.....	5.6	5.6	5.5	19.9	21.4	20.0	20.9	20.5	19.5
New Jersey.....	77.0	77.3	75.3	185.1	187.2	181.8	201.2	197.7	195.6
New Mexico.....	6.1	6.2	5.9	22.8	22.6	22.5	46.2	45.5	44.9
New York.....	426.6	425.3	419.3	805.0	812.5	797.5	756.8	747.5	740.4
North Carolina. ^{1/}	31.7	31.4	29.8	92.5	92.0	91.6	134.9	133.8	133.0
North Dakota.....	(2/)	5.1	4.7	(2/)	14.8	14.4	(2/)	26.4	26.1
Ohio.....	98.7	99.4	94.5	274.3	279.2	275.6	345.2	338.9	335.5
Oklahoma. ^{1/}	21.6	21.7	19.9	61.1	60.9	60.0	115.9	116.1	114.6
Oregon.....	17.1	17.2	17.3	55.4	56.6	52.6	74.6	72.9	72.7
Pennsylvania.....	131.6	132.5	130.5	401.5	398.4	388.7	397.1	391.1	388.7
Rhode Island.....	12.3	12.4	12.2	29.1	29.2	28.3	35.4	35.1	34.5
South Carolina.....	13.4	13.4	12.7	39.5	39.8	39.8	81.0	79.1	77.6
South Dakota.....	4.9	4.9	5.0	16.4	16.7	15.8	30.0	29.5	29.3
Tennessee.....	29.2	29.4	28.6	88.2	88.6	86.9	128.9	126.9	125.6
Texas.....	101.7	101.6	98.4	269.0	269.5	263.8	342.2	335.8	331.7
Utah.....	9.3	9.4	8.3	24.6	25.3	23.4	53.8	53.0	52.7
Vermont.....	3.2	3.2	3.1	12.7	12.9	12.3	16.3	16.3	16.3
Virginia. ^{3/}	38.5	38.3	35.4	92.7	92.7	90.9	170.1	167.9	166.6
Washington. ^{1/}	34.2	34.6	31.3	84.8	87.2	83.4	148.1	147.0	147.9
West Virginia.....	11.4	11.4	11.5	42.8	43.6	43.2	62.5	60.7	60.7
Wisconsin.....	38.9	38.9	37.5	109.6	110.7	107.9	129.2	126.3	126.2
Wyoming.....	2.5	2.4	2.2	10.2	11.1	10.5	17.7	17.4	17.1

^{1/} Revised series; not strictly comparable with previously published data. ^{2/} Not available. ^{3/} Mining combined with construction. ^{4/} Mining combined with service. ^{5/} Federal employment in Maryland and Virginia portions of the Washington, D. C., Metropolitan area included in data for District of Columbia.

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
ALABAMA				Los Angeles-Long Beach*			
<u>Birmingham 1/</u>				Total.....	1,975.4	1,977.3	1,872.6
Total.....	198.6	198.0	186.8	Mining.....	13.4	14.9	14.2
Mining.....	11.0	11.0	10.0	Contract construction...	124.3	133.4	120.8
Contract construction...	11.8	11.9	10.2	Manufacturing.....	693.6	687.7	643.3
Manufacturing.....	65.1	65.1	59.9	Trans. and pub. util....	128.0	128.1	122.4
Trans. and pub. util....	16.5	16.5	15.9	Trade.....	435.8	434.1	419.0
Trade.....	45.4	45.0	43.5	Finance.....	92.2	91.9	88.4
Finance.....	11.1	11.1	10.7	Service.....	266.8	267.9	254.0
Service.....	20.4	20.4	20.0	Government.....	221.3	219.3	210.5
Government.....	17.4	17.1	16.7	Sacramento			
Mobile 1/				Manufacturing.....	15.0	14.7	11.8
Total.....	82.6	82.8	78.4	San Bernardino-			
Contract construction...	4.6	4.5	4.2	Riverside-Ontario			
Manufacturing.....	17.4	17.6	16.5	Manufacturing.....	25.8	28.3	25.4
Trans. and pub. util....	9.7	10.1	9.6	San Diego			
Trade.....	17.6	17.5	16.9	Total.....	185.7	186.0	179.1
Finance.....	3.3	3.2	2.9	Mining.....	.2	.2	.2
Service 2/.....	8.5	8.7	8.1	Contract construction...	12.6	12.9	12.0
Government.....	21.6	21.3	20.3	Manufacturing.....	45.9	45.7	44.9
ARIZONA				Trans. and pub. util....	10.7	10.9	10.8
Phoenix				Trade.....	41.6	41.7	40.4
Total.....	109.2	107.2	101.4	Finance.....	7.5	7.5	6.9
Mining.....	.2	.2	.2	Service.....	23.6	23.9	23.1
Contract construction...	10.7	10.4	9.6	Government.....	43.6	43.2	40.8
Manufacturing.....	17.9	17.5	15.8	San Francisco-Oakland			
Trans. and pub. util....	9.7	9.5	9.2	Total.....	899.6	910.8	883.7
Trade.....	31.9	31.5	29.5	Mining.....	1.3	1.3	1.3
Finance.....	5.6	5.8	5.2	Contract construction...	64.8	64.4	60.5
Service.....	13.3	13.2	12.8	Manufacturing.....	194.1	199.5	186.8
Government.....	19.9	19.1	19.1	Trans. and pub. util....	94.7	101.6	100.1
Tucson				Trade.....	203.3	203.6	198.7
Total.....	46.8	46.1	42.4	Finance.....	56.9	56.9	55.6
Mining.....	1.9	2.0	1.9	Service.....	112.9	112.5	110.0
Contract construction...	4.5	4.3	3.9	Government.....	171.6	171.0	170.7
Manufacturing.....	7.9	7.7	5.4	San Jose			
Trans. and pub. util....	4.7	4.8	4.7	Manufacturing.....	38.1	44.9	29.8
Trade.....	10.6	10.3	10.3	Stockton			
Finance.....	1.6	1.5	1.4	Manufacturing.....	15.7	16.4	13.8
Service.....	6.9	7.0	6.4	ARKANSAS			
Government.....	8.7	8.5	8.4	Little Rock-			
Little Rock				N. Little Rock			
Total.....	70.2	70.3	67.5	Total.....	70.2	70.3	67.5
Contract construction...	6.4	6.6	5.2	Contract construction...	6.4	6.6	5.2
Manufacturing.....	12.2	12.0	11.6	Manufacturing.....	12.2	12.0	11.6
Trans. and pub. util....	7.9	7.8	7.8	Trans. and pub. util....	7.9	7.8	7.8
Trade.....	17.2	17.3	17.4	Trade.....	17.2	17.3	17.4
Finance.....	4.5	4.6	4.2	Finance.....	4.5	4.6	4.2
Service 2/.....	9.6	9.6	9.4	Service 2/.....	9.6	9.6	9.4
Government.....	12.6	12.5	11.9	Government.....	12.6	12.5	11.9
CALIFORNIA				COLORADO			
Fresno				Denver			
Manufacturing.....	15.8	14.6	16.4	Total.....	(3)	240.5	233.7
				Mining.....	(3)	1.5	1.5
				Contract construction...	(3)	15.8	16.7
				Manufacturing.....	(3)	42.9	41.6
				Trans. and pub. util....	(3)	28.1	26.4
				Trade.....	(3)	67.5	65.7
				Finance.....	(3)	13.1	12.5
				Service.....	(3)	31.8	31.1
				Government.....	(3)	39.8	38.2

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
CONNECTICUT				DELAWARE			
<u>Bridgeport</u>				<u>Wilmington</u>			
Total.....	(3/)	121.1	116.0	Manufacturing.....	54.8	58.5	51.4
Contract construction 2/	(3/)	6.1	5.4				
Manufacturing.....	(3/)	70.8	66.0	DISTRICT OF COLUMBIA			
Trans. and pub. util...	(3/)	5.7	5.6	<u>Washington</u>			
Trade.....	(3/)	18.9	19.4	Total.....	620.5	622.3	614.9
Finance.....	(3/)	2.6	2.6	Contract construction.	42.1	42.1	40.4
Service.....	(3/)	9.7	9.7	Manufacturing.....	26.0	26.4	26.2
Government.....	(3/)	7.4	7.3	Trans. and pub. util..	42.1	42.4	41.5
				Trade.....	128.2	127.5	126.3
<u>Hartford</u>				Finance.....	30.9	31.2	31.2
Total.....	(3/)	195.6	196.1	Service 2/.....	85.9	86.2	86.3
Contract construction 2/	(3/)	9.8	9.4	Government.....	265.3	266.5	263.0
Manufacturing.....	(3/)	73.6	74.5				
Trans. and pub. util...	(3/)	7.5	7.6	FLORIDA			
Trade.....	(3/)	39.0	39.8	<u>Jacksonville 1/</u>			
Finance.....	(3/)	27.5	27.0	Total.....	121.3	120.8	117.1
Service.....	(3/)	20.5	20.6	Contract construction.	9.1	9.1	10.0
Government.....	(3/)	17.7	17.3	Manufacturing.....	19.9	19.6	19.1
				Trans. and pub. util..	14.0	13.9	14.2
<u>New Britain</u>				Trade.....	35.5	35.2	33.9
Total.....	(3/)	42.9	41.0	Finance.....	10.2	10.4	9.3
Contract construction 2/	(3/)	1.3	1.3	Service 2/.....	14.2	14.4	13.7
Manufacturing.....	(3/)	28.1	26.3	Government.....	18.6	18.3	17.0
Trans. and pub. util...	(3/)	2.0	2.0				
Trade.....	(3/)	5.5	5.6	<u>Miami 1/</u>			
Finance.....	(3/)	.7	.7	Total.....	232.4	227.8	204.5
Service.....	(3/)	2.8	2.8	Contract construction.	26.3	26.6	22.5
Government.....	(3/)	2.4	2.2	Manufacturing.....	28.2	26.9	24.4
				Trans. and pub. util..	29.3	29.1	28.1
<u>New Haven</u>				Trade.....	69.2	67.7	59.9
Total.....	(3/)	119.6	119.7	Finance.....	13.5	13.5	12.3
Contract construction 2/	(3/)	6.5	6.0	Service 2/.....	42.3	40.5	35.9
Manufacturing.....	(3/)	45.7	47.0	Government.....	23.7	23.6	21.5
Trans. and pub. util...	(3/)	12.1	11.7				
Trade.....	(3/)	23.1	23.1	<u>Tampa-St. Petersburg</u>			
Finance.....	(3/)	6.2	5.9	Total.....	134.3	132.4	127.7
Service.....	(3/)	17.2	17.4	Contract construction.	13.5	13.3	13.3
Government.....	(3/)	8.9	8.6	Manufacturing.....	25.0	24.9	23.9
				Trans. and pub. util..	10.7	10.7	10.3
<u>Stamford</u>				Trade.....	43.7	42.4	41.2
Total.....	(3/)	47.3	48.1	Finance.....	6.7	6.6	5.9
Contract construction 2/	(3/)	3.5	3.4	Service 2/.....	17.3	17.1	16.5
Manufacturing.....	(3/)	18.9	21.0	Government.....	17.5	17.5	16.8
Trans. and pub. util...	(3/)	2.6	2.5				
Trade.....	(3/)	9.7	9.2	GEORGIA			
Finance.....	(3/)	1.8	1.6	<u>Atlanta</u>			
Service.....	(3/)	7.3	7.1	Total.....	323.0	319.9	301.7
Government.....	(3/)	3.5	3.4	Contract construction.	20.6	21.1	18.0
				Manufacturing.....	90.9	90.2	79.3
<u>Waterbury</u>				Trans. and pub. util..	33.0	32.7	31.3
Total.....	(3/)	64.5	66.6	Trade.....	83.6	82.5	81.2
Contract construction 2/	(3/)	3.1	2.1	Finance.....	20.9	21.0	20.1
Manufacturing.....	(3/)	38.4	42.3	Service 2/.....	38.7	38.0	38.1
Trans. and pub. util...	(3/)	2.7	2.6	Government.....	35.3	34.4	33.7
Trade.....	(3/)	9.7	9.6				
Finance.....	(3/)	1.4	1.3				
Service.....	(3/)	4.4	4.1				
Government.....	(3/)	4.8	4.7				

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
GEORGIA - Continued				Indianapolis - Continued			
<u>Savannah</u>				Other nonmanufacturing..			
Total.....	52.0	51.6	50.4	58.4	58.8	58.7	
Contract construction..	2.6	2.7	2.8	South Bend			
Manufacturing.....	15.4	15.0	14.4	Total.....	81.7	84.9	82.5
Trans. and pub. util...	6.7	6.8	6.6	Manufacturing.....	40.3	43.8	43.1
Trade.....	13.1	12.9	12.8	Trade.....	15.3	15.5	15.1
Finance.....	1.6	1.6	1.6	Other nonmanufacturing..	26.1	25.6	24.3
Service 2/.....	6.2	6.2	6.0	IOWA			
Government.....	6.4	6.4	6.2	<u>Des Moines</u>			
IDAHO				Total.....	97.0	96.7	94.5
<u>Boise</u>				Contract construction..	6.4	6.6	6.5
Total.....	20.9	20.9	20.5	Manufacturing.....	22.9	22.4	22.2
Contract construction..	1.7	1.7	1.7	Trans. and pub. util....	7.7	7.8	7.5
Manufacturing.....	1.8	1.8	1.8	Trade.....	26.1	26.0	25.5
Trans. and pub. util....	2.2	2.3	2.2	Finance.....	10.1	10.1	9.9
Trade.....	6.5	6.5	6.5	Service 2/.....	12.4	12.5	11.9
Finance.....	1.3	1.3	1.2	Government.....	11.5	11.4	11.0
Service.....	3.1	3.0	3.0	KANSAS			
Government.....	4.3	4.3	4.1	<u>Topeka</u>			
ILLINOIS				Total.....	47.3	46.9	45.6
<u>Chicago</u>				Mining.....	.2	.2	.1
Total.....	2,543.9	2,522.9	2,472.2	Contract construction..	4.0	3.8	3.0
Mining.....	3.6	3.6	3.6	Manufacturing.....	5.8	5.8	5.9
Contract construction..	116.3	117.0	111.2	Trans. and pub. util....	7.7	7.6	7.5
Manufacturing.....	1,027.8	1,009.9	970.1	Trade.....	9.6	9.6	9.4
Trans. and pub. util....	220.9	220.7	215.5	Finance.....	2.4	2.4	2.2
Trade.....	517.6	514.9	520.8	Service.....	5.9	5.9	5.6
Finance.....	140.0	140.4	140.1	Government.....	11.9	11.9	12.0
Service.....	291.2	290.9	287.7	Wichita			
Government.....	226.5	225.3	223.2	Total.....	119.6	119.1	124.2
INDIANA				Mining.....	1.7	1.7	1.5
<u>Evansville</u>				Contract construction..	8.2	8.6	8.5
Total 1/.....	67.5	59.8	63.5	Manufacturing.....	49.2	48.5	55.0
Contract construction..	3.7	3.7	3.8	Trans. and pub. util....	7.5	7.5	7.3
Manufacturing.....	31.8	24.2	28.5	Trade.....	26.4	26.4	25.8
Trans. and pub. util....	4.6	4.6	4.5	Finance.....	4.6	4.7	4.8
Trade.....	13.8	13.7	13.5	Service.....	11.9	11.9	11.7
Finance.....	2.0	2.0	1.9	Government.....	10.2	10.0	9.6
Service 4/.....	11.6	11.6	11.3	KENTUCKY			
<u>Fort Wayne</u>				<u>Louisville</u>			
Total.....	79.6	75.3	77.1	Total.....	(3/)	243.3	234.5
Contract construction..	2.9	3.1	3.4	Contract construction..	(3/)	15.2	15.9
Manufacturing.....	37.1	32.5	34.2	Manufacturing.....	(3/)	96.5	89.2
Trans. and pub. util....	7.3	7.3	7.0	Trans. and pub. util....	(3/)	22.6	22.1
Trade.....	17.6	17.5	17.5	Trade.....	(3/)	52.6	52.2
Finance.....	3.5	3.5	3.4	Finance.....	(3/)	9.8	9.7
Service 4/.....	11.2	11.4	11.6	Service 2/.....	(3/)	23.8	23.0
<u>Indianapolis</u>				Government.....	(3/)	22.8	22.4
Total.....	283.5	281.7	267.7	LOUISIANA			
Contract construction..	11.0	11.2	9.1	<u>Baton Rouge</u>			
Manufacturing.....	111.9	109.7	100.9	Contract construction..	5.7	5.8	6.3
Trans. and pub. util....	22.2	22.2	19.8	Manufacturing.....	19.1	19.2	18.9
Trade.....	64.2	64.0	63.9	Trade.....	12.4	12.2	12.0
Finance.....	15.8	15.8	15.3	Finance.....	2.1	2.1	2.0

See footnotes at end of table.

Area Employment

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
LOUISIANA - Continued				Fall River - Continued			
<u>New Orleans</u>				<u>Trade</u>			
Total.....	270.4	270.5	269.6	7.7	7.8	8.1	
Mining.....	5.3	5.3	5.1	Government.....	5.0	4.9	
Contract construction...	20.6	21.0	20.9	Other nonmanufacturing..	4.5	4.7	
Manufacturing.....	50.3	51.4	52.9	<u>New Bedford</u>			
Trans. and pub. util....	43.3	43.1	42.3	Total.....	50.8	50.5	48.8
Trade.....	68.4	67.8	67.6	Contract construction...	1.4	1.4	1.3
Finance.....	13.3	13.3	12.8	Manufacturing.....	27.8	27.6	26.1
Service.....	36.4	35.9	35.9	Trans. and pub. util....	2.2	2.1	2.2
Government.....	33.1	33.0	32.2	Trade.....	8.7	8.6	8.5
MAINE				Government.....	5.1	5.1	5.0
<u>Lewiston</u>				Other nonmanufacturing..	5.6	5.7	5.7
Total.....	28.1	28.0	27.4	<u>Springfield-Holyoke</u>			
Contract construction...	1.3	1.3	1.3	Total.....	157.4	157.3	154.1
Manufacturing.....	15.0	15.0	14.4	Contract construction...	6.3	6.5	5.6
Trans. and pub. util....	1.1	1.1	1.1	Manufacturing.....	70.7	70.3	67.5
Trade.....	5.2	5.2	5.2	Trans. and pub. util....	8.7	8.6	8.7
Finance.....	.7	.7	.6	Trade.....	30.6	30.5	30.5
Service 2/.....	3.8	3.7	3.8	Finance.....	6.5	6.6	6.3
Government.....	1.0	1.0	1.0	Service 2/.....	15.3	15.3	15.3
<u>Portland</u>				Government.....	19.3	19.5	20.2
Total.....	53.0	53.1	53.0	<u>Worcester</u>			
Contract construction...	3.7	3.6	4.0	Total.....	104.0	103.0	101.2
Manufacturing.....	13.8	13.8	14.0	Contract construction...	3.4	3.4	3.6
Trans. and pub. util....	6.3	6.4	6.1	Manufacturing.....	50.0	49.5	46.9
Trade.....	14.6	14.7	14.5	Trans. and pub. util....	5.2	5.2	5.2
Finance.....	3.3	3.3	3.2	Trade.....	20.2	19.9	20.5
Service 2/.....	7.8	7.9	7.8	Finance.....	4.1	4.1	4.0
Government.....	3.5	3.4	3.4	Service 2/.....	9.6	9.5	9.7
MARYLAND				Government.....	11.5	11.4	11.3
<u>Baltimore</u>				MICHIGAN			
Total.....	576.3	572.3	551.5	<u>Detroit</u>			
Mining.....	.8	.8	.8	Total.....	1,341.6	1,277.1	1,224.3
Contract construction...	43.8	42.8	38.3	Mining.....	1.0	1.0	.9
Manufacturing.....	197.3	196.4	187.0	Contract construction...	67.9	68.9	73.9
Trans. and pub. util....	58.8	58.6	57.2	Manufacturing.....	653.3	592.2	555.4
Trade.....	115.8	114.4	114.0	Trans. and pub. util....	83.1	82.1	74.7
Finance.....	28.9	28.6	28.1	Trade.....	245.0	243.9	237.5
Service.....	61.2	60.8	60.1	Finance.....	44.8	45.2	43.9
Government.....	69.7	69.9	66.0	Service.....	130.8	130.9	125.4
MASSACHUSETTS				Government.....	115.7	112.8	112.5
<u>Boston</u>				<u>Flint</u>			
Total.....	965.8	962.7	948.1	Manufacturing.....	75.9	86.9	74.9
Contract construction...	51.5	53.5	41.7	<u>Grand Rapids</u>			
Manufacturing.....	283.6	282.6	277.0	Manufacturing.....	54.4	54.6	51.9
Trans. and pub. util....	78.4	78.5	77.5	<u>Iansing</u>			
Trade.....	221.7	218.7	223.8	Manufacturing.....	24.3	32.3	28.0
Finance.....	64.7	64.7	64.0	<u>Muskegon</u>			
Service 2/.....	130.8	130.5	129.9	Manufacturing.....	26.5	26.4	24.4
Government.....	135.1	134.2	134.2	<u>Saginaw</u>			
<u>Fall River</u>				Manufacturing.....	28.3	28.0	26.8
Total.....	48.3	47.7	46.4				
Manufacturing.....	28.5	27.7	26.3				
Trans. and pub. util....	2.6	2.6	2.4				

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
MINNESOTA				NEBRASKA			
<u>Duluth</u>				<u>Omaha</u>			
Total.....	44.1	44.1	42.2	Total.....	(3/)	146.6	145.4
Contract construction..	3.0	3.0	2.6	Contract construction...	(3/)	9.0	9.0
Manufacturing.....	10.4	10.3	9.5	Manufacturing.....	(3/)	32.0	31.4
Trans. and pub. util...	7.6	7.7	7.1	Trans. and pub. util....	(3/)	23.4	23.2
Trade.....	10.7	10.7	11.1	Trade.....	(3/)	36.6	36.8
Finance.....	1.9	1.9	1.9	Finance.....	(3/)	11.2	11.0
Service 2/.....	6.3	6.4	6.2	Service 2/.....	(3/)	19.8	19.2
Government.....	4.1	4.1	4.0	Government.....	(3/)	14.8	14.9
<u>Minneapolis-St. Paul</u>				NEVADA			
Total.....	496.3	492.0	482.3	<u>Reno</u>			
Contract construction..	38.9	40.6	34.3	Total.....	25.2	26.0	23.6
Manufacturing.....	140.0	139.2	135.3	Contract construction...	2.3	2.4	2.3
Trans. and pub. util...	51.7	51.8	52.4	Manufacturing 2/.....	2.0	2.0	2.0
Trade.....	121.1	119.5	119.3	Trans. and pub. util....	3.7	3.7	3.3
Finance.....	32.6	32.8	31.5	Trade.....	6.0	6.2	5.8
Service 2/.....	56.4	55.6	54.8	Finance.....	.9	.9	.8
Government.....	55.7	52.5	54.8	Service.....	6.7	7.1	6.0
MISSISSIPPI				NEW HAMPSHIRE			
<u>Jackson</u>				<u>Manchester</u>			
Manufacturing.....	(3/)	9.7	9.1	Total.....	41.1	41.3	40.1
MISSOURI				<u>Contract construction...</u>			
<u>Kansas City</u>				2.2			
Total.....	(3/)	349.9	357.6	Manufacturing.....	19.7	19.8	18.8
Mining.....	(3/)	.8	.7	Trans. and pub. util....	2.6	2.6	2.5
Contract construction..	(3/)	19.1	16.8	Trade.....	7.7	7.7	7.7
Manufacturing.....	(3/)	98.8	109.6	Finance.....	1.9	1.9	1.9
Trans. and pub. util...	(3/)	45.3	45.2	Service.....	4.3	4.3	4.3
Trade.....	(3/)	94.5	94.8	Government.....	2.7	2.8	2.8
Finance.....	(3/)	20.9	20.4	NEW JERSEY			
Service.....	(3/)	39.9	39.8	<u>Newark-Jersey City 6/</u>			
Government.....	(3/)	30.6	30.3	Total.....	812.7	805.3	799.9
<u>St. Louis</u>				Mining.....			
Total.....	707.8	708.8	687.3	.2			
Mining.....	3.0	3.0	2.4	Contract construction..	35.5	33.6	29.6
Contract construction..	38.1	39.1	43.7	Manufacturing.....	359.4	356.7	350.8
Manufacturing.....	269.5	272.0	250.5	Trans. and pub. util....	79.0	78.1	78.3
Trans. and pub. util...	68.3	68.4	66.4	Trade.....	141.1	140.3	142.7
Trade.....	150.8	149.9	151.1	Finance.....	44.6	45.1	45.3
Finance.....	34.1	34.3	33.7	Service.....	78.2	77.9	76.5
Service.....	82.3	81.0	78.9	Government.....	74.7	73.4	76.5
Government.....	61.7	61.1	60.6	<u>Paterson 6/</u>			
MONTANA				<u>Manufacturing.....</u>			
<u>Great Falls</u>				(3/)			
Total.....	18.8	18.9	17.1	171.0			
Contract construction..	1.8	1.9	1.7	NEW MEXICO			
Manufacturing.....	2.7	2.7	1.5	<u>Albuquerque</u>			
Trans. and pub. util...	2.6	2.6	2.5	Total.....	59.3	58.8	54.6
Trade.....	6.0	5.9	5.9	Contract construction..	5.8	6.2	5.0
Service 5/.....	3.5	3.5	3.3	Manufacturing.....	9.8	9.8	9.2
Government.....	2.2	2.3	2.2	Trans. and pub. util....	5.2	5.2	4.8

See footnotes at end of table.

Area Employment

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
NEW MEXICO - Continued				New York City - Con.			
Albuquerque - Continued				Trans. and pub. util...			
Trade.....	15.4	15.2	14.0	324.2	322.2	319.2	
Finance.....	3.5	3.5	3.2	812.8	805.9	819.1	
Service 2/.....	7.5	7.4	7.3	349.6	348.2	344.1	
Government.....	12.1	11.5	11.1	562.9	557.8	558.7	
				416.2	411.6	408.4	
NEW YORK				Rochester			
Albany-Schenectady-Troy				Total.....			
Total.....	206.2	205.2	206.6	217.6	217.8	213.3	
Contract construction...	6.9	6.9	8.6	10.2	10.5	10.3	
Manufacturing.....	76.9	76.5	76.2	113.2	113.7	110.0	
Trans. and pub. util....	16.2	16.2	16.6	9.8	9.8	9.9	
Trade.....	40.2	39.9	40.1	38.5	38.1	38.0	
Government.....	37.0	37.0	36.9	6.4	6.4	6.3	
Other nonmanufacturing..	28.9	28.7	28.3	39.5	39.4	38.8	
Binghamton				Syracuse			
Total.....	75.8	75.8	76.2	142.7	143.6	138.6	
Contract construction...	3.0	3.1	3.0	6.7	7.3	7.7	
Manufacturing.....	40.6	40.5	40.9	58.8	58.8	55.9	
Trans. and pub. util....	4.0	4.0	4.0	10.0	10.3	10.1	
Trade.....	13.9	13.9	13.8	33.0	32.5	30.1	
Other nonmanufacturing..	14.3	14.3	14.5	34.1	34.7	34.8	
Buffalo				Utica-Rome			
Total.....	445.4	444.8	430.1	94.8	94.6	93.3	
Contract construction...	19.3	20.3	21.0	2.4	2.4	3.2	
Manufacturing.....	207.6	206.2	194.9	41.9	41.3	41.2	
Trans. and pub. util....	40.1	40.3	38.0	5.5	5.5	5.2	
Trade.....	85.7	85.1	84.1	15.8	15.8	15.3	
Finance.....	13.3	13.4	13.2	3.1	3.1	3.0	
Service 2/.....	46.1	46.0	45.9	8.4	8.6	8.1	
Government.....	33.3	33.4	33.0	17.8	17.9	17.1	
Elmira				Westchester County 6/			
Total.....	33.6	33.4	33.1	172.9	175.0	176.7	
Manufacturing.....	17.5	17.2	17.1	16.9	16.5	16.2	
Trade.....	6.4	6.4	6.3	43.9	46.4	48.2	
Other nonmanufacturing..	9.8	9.8	9.7	11.7	11.8	12.4	
Nassau and Suffolk Counties 6/				Trade.....			
Total.....	293.1	303.9	291.2	41.7	41.9	41.8	
Contract construction...	28.5	30.0	29.0	Finance.....	8.4	8.4	
Manufacturing.....	92.1	95.8	99.9	Service 4/.....	50.3	50.0	
Trans. and pub. util....	20.0	20.3	20.3	NORTH CAROLINA			
Trade.....	65.0	66.1	57.7	Charlotte			
Service 5/.....	44.6	48.2	42.3	Total.....	85.9	85.2	84.7
Government.....	42.9	43.4	42.0	Contract construction..	5.2	5.2	6.0
New York-Northeastern- New Jersey				Manufacturing.....			
Manufacturing.....	(3/)	1,740.8	1,758.9	22.5	22.2	21.6	
New York City 6/				Trans. and pub. util....			
Total.....	3,567.9	3,538.9	3,557.9	9.8	9.8	9.4	
Mining.....	1.7	1.7	1.8	Trade.....	25.6	25.4	25.5
Contract construction...	111.2	114.0	104.5	Finance.....	5.4	5.5	5.2
Manufacturing.....	989.3	977.5	1,002.2	Service 2/.....	10.6	10.3	10.3
				Government.....	6.8	6.8	6.7
				Greensboro-High Point			
				Manufacturing.....			
				41.7			
				41.4			
				40.4			
				Raleigh-Durham			
				Manufacturing.....			
				21.9			
				21.8			
				21.7			

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
NORTH CAROLINA - Continued				Portland - Continued			
<u>Winston-Salem</u>				Finance.....	12.2	12.2	12.5
Manufacturing.....	36.0	35.7	34.4	Service 2/.....	32.6	33.1	31.5
				Government.....	32.0	31.7	31.3
NORTH DAKOTA				PENNSYLVANIA			
<u>Fargo</u>				<u>Allentown-Bethlehem-</u>			
Total.....	21.7	21.3	21.5	<u>Easton</u>			
Contract construction...	2.3	2.3	2.5	Manufacturing.....	100.8	99.9	93.4
Manufacturing.....	2.1	2.1	2.1	<u>Erie 1/</u>			
Trans. and pub. util....	2.3	2.3	2.3	Manufacturing.....	41.3	40.2	38.5
Trade.....	7.6	7.3	7.7	<u>Harrisburg</u>			
Finance.....	1.5	1.5	1.4	Total.....	137.9	137.5	132.4
Service 2/.....	2.9	2.9	2.8	Mining.....	.5	.5	.4
Government.....	3.0	2.9	2.9	Contract construction..	8.1	8.2	8.5
				Manufacturing.....	34.2	33.9	31.7
OHIO				Trans. and pub. util....	14.7	14.8	13.8
<u>Akron</u>				Trade.....	23.2	22.9	22.0
Manufacturing.....	93.5	92.8	90.6	Finance.....	5.7	5.7	5.6
<u>Cincinnati</u>				Service.....	12.2	12.3	12.0
Manufacturing.....	163.9	164.3	155.0	Government.....	39.4	39.2	38.4
<u>Cleveland</u>				<u>Lancaster</u>			
Manufacturing.....	309.2	306.9	292.6	Manufacturing.....	46.5	46.6	43.0
<u>Dayton</u>				<u>Philadelphia</u>			
Manufacturing.....	99.3	98.4	95.3	Manufacturing.....	553.0	553.8	553.7
OKLAHOMA				<u>Pittsburgh</u>			
<u>Oklahoma City 1/</u>				Total.....	820.3	820.4	771.3
Total.....	141.9	142.1	138.3	Mining.....	18.1	18.0	17.7
Mining.....	7.7	7.7	7.3	Contract construction..	47.2	48.1	37.8
Contract construction...	10.5	10.7	9.4	Manufacturing.....	335.9	337.6	308.3
Manufacturing.....	16.2	16.2	15.4	Trans. and pub. util....	72.3	72.9	69.4
Trans. and pub. util....	11.5	11.7	11.1	Trade.....	157.1	157.0	154.0
Trade.....	37.7	37.4	37.8	Finance.....	27.1	27.2	27.4
Finance.....	7.9	7.9	7.6	Service.....	90.9	89.5	86.5
Service.....	17.2	17.1	16.9	Government.....	71.7	70.2	70.2
Government.....	33.3	33.4	32.8	<u>Reading</u>			
<u>Tulsa 1/</u>				Manufacturing.....	51.8	51.0	48.8
Total.....	126.2	125.5	117.0	<u>Scranton</u>			
Mining.....	12.2	12.2	11.9	Manufacturing.....	30.8	30.6	30.0
Contract construction...	8.5	8.7	7.8	<u>Wilkes-Barre--Hazleton</u>			
Manufacturing.....	34.7	34.3	29.1	Manufacturing.....	39.3	38.8	36.9
Trans. and pub. util....	12.7	12.7	12.2	<u>York</u>			
Trade.....	30.5	30.4	29.7	Manufacturing.....	45.1	45.2	43.9
Finance.....	5.9	5.8	5.5	RHODE ISLAND			
Service.....	14.8	14.8	14.3	<u>Providence</u>			
Government.....	6.8	6.8	6.7	Total.....	295.1	293.5	288.8
				Contract construction..	15.7	16.8	15.7
OREGON				Manufacturing.....	144.6	143.1	140.4
<u>Portland 1/</u>				Trans. and pub. util....	13.9	14.1	13.7
Total.....	250.3	253.8	243.3	Trade.....	52.3	51.3	52.0
Contract construction...	15.3	15.9	14.6				
Manufacturing.....	64.0	65.4	61.6				
Trans. and pub. util....	29.8	30.1	29.3				
Trade.....	64.4	65.4	62.5				

See footnotes at end of table.

Area Employment

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
RHODE ISLAND - Continued				Memphis - Continued			
<u>Providence - Continued</u>				Trade.....			
Finance.....	12.1	12.2	12.0	Finance.....	49.6	49.1	49.2
Service 2/.....	26.9	26.9	26.1	Finance.....	7.8	7.9	7.5
Government.....	29.6	29.1	28.9	Service.....	21.6	21.7	21.4
SOUTH CAROLINA				Government.....			
<u>Charleston</u>				Nashville			
Total.....	51.4	50.8	49.2	Total.....	130.8	130.3	125.7
Contract construction..	4.1	4.1	3.6	Contract construction 2/	8.3	8.5	8.0
Manufacturing.....	9.7	9.7	9.3	Manufacturing.....	38.4	37.9	36.4
Trans. and pub. util....	4.0	4.0	4.1	Trans. and pub. util...	12.6	12.5	12.3
Trade.....	11.2	11.3	11.5	Trade.....	29.7	29.4	28.3
Finance.....	1.4	1.4	1.4	Finance.....	7.8	7.9	7.7
Service 2/.....	4.5	4.5	4.4	Service.....	19.4	19.5	18.8
Government.....	16.7	16.0	15.1	Government.....	14.7	14.8	14.4
<u>Greenville</u>				UTAH			
Manufacturing.....	29.7	29.7	28.9	<u>Salt Lake City</u>			
SOUTH DAKOTA				Total.....			
<u>Sioux Falls</u>				Mining.....			
Manufacturing.....	5.5	5.5	5.3	Contract construction..	10.5	10.7	8.4
Trans. and pub. util....	2.0	2.0	2.0	Manufacturing.....	17.7	17.5	16.7
Trade.....	8.2	8.2	8.0	Trans. and pub. util...	13.1	13.2	12.6
Finance.....	1.4	1.3	1.4	Trade.....	32.5	32.7	31.3
Service 2/.....	3.1	3.1	2.9	Finance.....	7.1	7.2	6.4
Government.....	1.9	1.9	2.0	Service.....	14.5	14.9	13.3
TENNESSEE				Government.....			
<u>Chattanooga 1/</u>				Total.....			
Total.....	95.1	95.0	92.4	Mining.....	16.4	16.3	15.8
Mining.....	.1	.1	.1	Manufacturing.....	3.7	3.6	4.0
Contract construction..	4.7	4.8	4.9	Trans. and pub. util...	1.5	1.5	1.3
Manufacturing.....	45.4	45.2	42.2	Trade.....	4.4	4.5	4.4
Trans. and pub. util....	5.4	5.4	5.4	Service.....	3.0	3.0	2.7
Trade.....	18.1	18.1	18.1	Other nonmanufacturing.	3.7	3.7	3.4
Finance.....	3.9	4.0	3.7	<u>Springfield</u>			
Service.....	9.1	9.1	9.5	Total.....	12.8	12.8	11.8
Government.....	8.5	8.4	8.7	Manufacturing.....	8.0	8.0	7.3
<u>Knoxville 1/</u>				Trans. and pub. util...			
Total.....	117.1	117.4	123.8	Trade.....	.6	.6	.6
Mining.....	2.0	2.0	1.9	Service.....	1.5	1.5	1.5
Contract construction..	7.7	9.0	18.2	Other nonmanufacturing.	1.0	1.0	.9
Manufacturing.....	45.6	45.3	43.4	VIRGINIA			
Trans. and pub. util....	7.2	7.2	7.2	<u>Norfolk-Portsmouth</u>			
Trade.....	25.1	24.3	24.1	Total.....	149.5	149.2	144.1
Finance.....	2.3	2.3	2.3	Mining.....	.2	.2	.2
Service.....	11.1	11.2	11.0	Contract construction..	12.2	12.4	11.9
Government.....	16.3	16.2	15.8	Manufacturing.....	15.3	15.4	14.0
<u>Memphis</u>				Trans. and pub. util...			
Total.....	174.9	172.6	165.2	Trade.....	15.3	15.7	15.0
Mining.....	.4	.4	.3	Service.....	36.9	36.0	36.5
Contract construction..	12.4	12.5	9.9	Finance.....	5.5	5.4	4.9
Manufacturing.....	46.0	43.8	40.7	Service.....	16.4	16.5	15.1
Trans. and pub. util....	15.1	15.0	14.8	Government.....	47.7	47.6	46.5

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1955		1954		1955		1954
	Oct.	Sept.	Oct.		Oct.	Sept.	Oct.
VIRGINIA - Continued				Charleston - Continued			
<u>Richmond</u>				Manufacturing.....			
Total.....	154.1	152.9	148.2	25.0	25.3	24.5	
Mining.....	.3	.3	.3	Trans. and pub. util....	11.0	11.1	10.4
Contract construction...	10.7	10.5	9.6	Trade.....	17.9	17.6	17.3
Manufacturing.....	39.4	39.2	37.8	Finance.....	2.6	2.6	2.7
Trans. and pub. util....	15.8	15.8	14.8	Service.....	8.5	8.6	8.7
Trade.....	38.1	37.5	37.8	Government.....	9.3	9.1	9.1
Finance.....	12.6	12.5	11.9	<u>Wheeling-Steubenville</u>			
Service.....	16.8	16.8	16.3	Total.....	116.1	116.5	109.8
Government.....	20.4	20.3	19.7	Mining.....	5.5	5.5	5.5
WASHINGTON				Contract construction...	4.4	4.7	3.9
<u>Seattle</u>				Manufacturing.....	57.1	56.7	53.3
Total.....	(3/)	294.7	283.8	Trans. and pub. util....	10.0	10.1	9.1
Contract construction...	(3/)	15.6	14.2	Trade.....	20.3	20.3	18.9
Manufacturing.....	(3/)	83.6	79.2	Finance.....	2.8	2.8	2.8
Trans. and pub. util....	(3/)	27.4	26.7	Service.....	9.5	9.9	9.7
Trade.....	(3/)	70.8	69.6	Government.....	6.6	6.7	6.8
Finance.....	(3/)	17.6	16.9	WISCONSIN			
Service 2/.....	(3/)	37.3	35.4	<u>Milwaukee</u>			
Government.....	(3/)	42.4	41.8	Contract construction...	24.6	24.0	20.3
<u>Spokane</u>				Manufacturing.....	188.6	186.2	175.8
Total.....	(3/)	73.8	70.5	Trans. and pub. util....	28.4	28.6	27.9
Contract construction...	(3/)	5.2	4.5	Trade.....	83.1	81.5	82.2
Manufacturing.....	(3/)	15.3	14.2	Finance.....	19.1	19.2	18.8
Trans. and pub. util....	(3/)	8.7	8.1	<u>Racine</u>			
Trade.....	(3/)	19.8	19.4	Contract construction...	2.2	2.1	2.1
Finance.....	(3/)	3.8	3.7	Manufacturing.....	23.5	23.2	22.4
Service 2/.....	(3/)	11.3	11.4	Trans. and pub. util....	1.6	1.6	1.6
Government.....	(3/)	9.7	9.2	Trade.....	6.9	6.7	6.8
<u>Tacoma 1/</u>				Finance.....	.8	.8	.8
Total.....	75.1	76.0	71.6	WYOMING			
Contract construction...	4.6	4.8	3.6	<u>Casper</u>			
Manufacturing.....	18.2	18.6	18.2	Mining.....	3.0	3.2	3.4
Trans. and pub. util....	6.9	7.0	6.5	Contract construction...	.9	1.1	1.5
Trade.....	15.5	15.6	14.9	Manufacturing.....	1.8	1.8	1.8
Finance.....	2.8	2.8	2.6	Trans. and pub. util....	1.6	1.7	1.9
Service 2/.....	8.3	8.5	7.9	Trade.....	3.7	3.8	3.8
Government.....	18.8	18.1	17.9	Finance.....	.6	.6	.5
WEST VIRGINIA				Service.....	1.9	1.9	1.8
<u>Charleston</u>							
Total.....	90.3	90.4	87.6				
Mining.....	11.4	11.5	10.8				
Contract construction...	4.6	4.7	4.3				

1/ Revised series; not strictly comparable with previously published data.
 2/ Includes mining.
 3/ Not available.
 4/ Includes mining and government.
 5/ Includes mining and finance.
 6/ Subarea of New York-Northeastern New Jersey.
 * Change in title only. Area definition not affected.

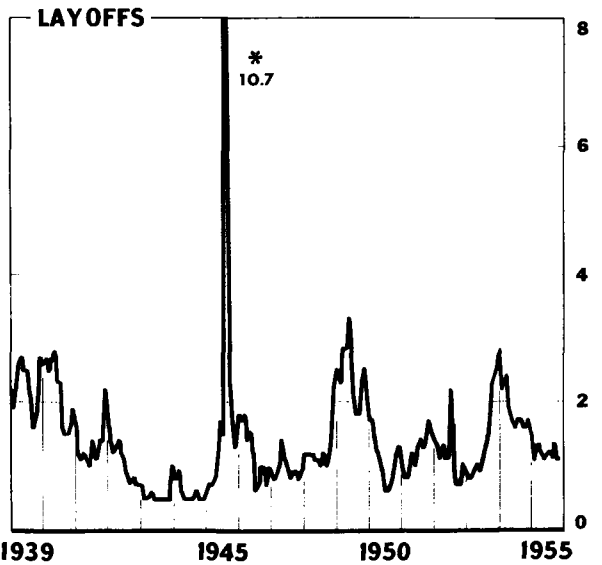
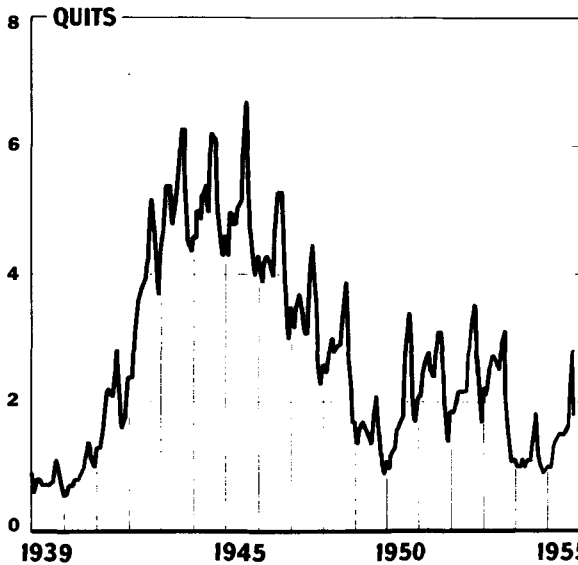
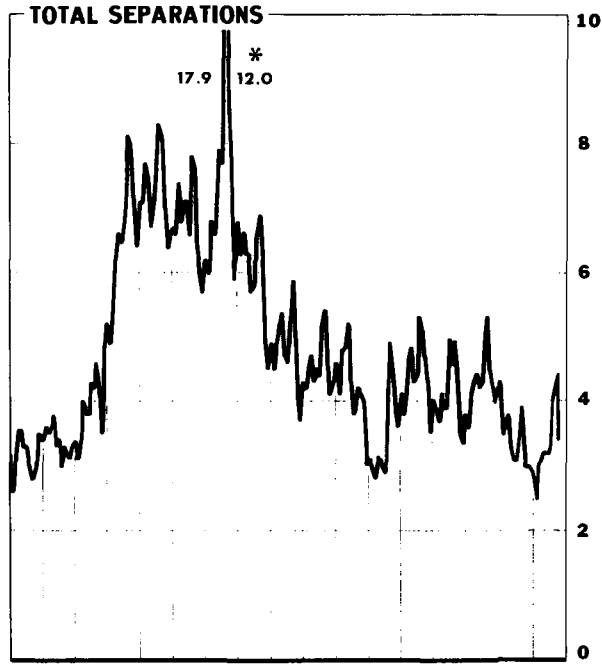
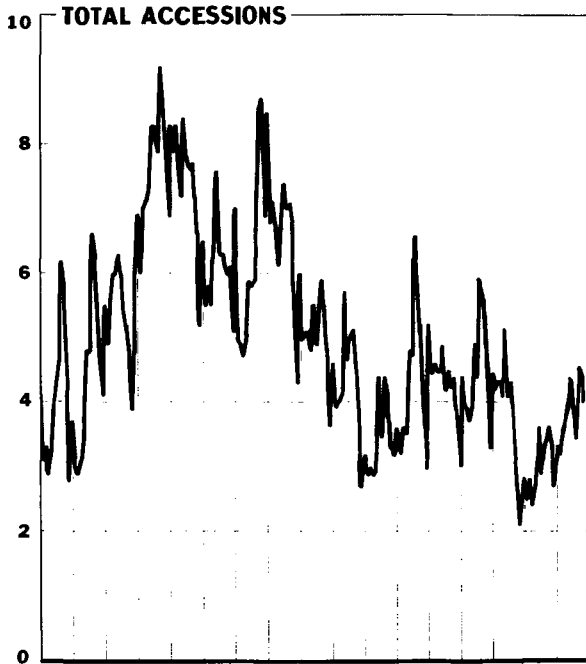
MONTHLY LABOR TURNOVER RATES

MANUFACTURING INDUSTRIES

1939-1955

Rate Per 100
Employees

Rate Per 100
Employees



1939

1945

1950

1955

1939

1945

1950

1955

UNITED STATES DEPARTMENT OF LABOR
Bureau of Labor Statistics

OCTOBER 1955 DATA: Preliminary

* V-J Day Holiday

Table B-1: Monthly labor turnover rates in manufacturing, by class of turnover

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average	Year
Total accession														
1948.....	4.6	3.9	4.0	4.0	4.1	5.7	4.7	5.0	5.1	4.5	3.9	2.7	4.4	1948
1949.....	3.2	2.9	3.0	2.9	3.5	4.4	3.5	4.4	4.1	3.7	3.3	3.2	3.5	1949
1950.....	3.6	3.2	3.6	3.5	4.4	4.8	4.7	6.6	5.7	5.2	4.0	3.0	4.4	1950
1951.....	5.2	4.5	4.6	4.5	4.5	4.9	4.2	4.5	4.3	4.4	3.9	3.0	4.4	1951
1952.....	4.4	3.9	3.9	3.7	3.9	4.9	4.4	5.9	5.6	5.2	4.0	3.3	4.4	1952
1953.....	4.4	4.2	4.4	4.3	4.1	5.1	4.1	4.3	4.0	3.3	2.7	2.1	3.9	1953
1954.....	2.8	2.5	2.8	2.4	2.7	3.5	2.9	3.3	3.4	3.6	3.3	2.5	3.0	1954
1955.....	3.3	3.2	3.6	3.5	3.8	4.3	3.4	4.5	4.4	4.0				1955
Total separation														
1948.....	4.3	4.7	4.5	4.7	4.3	4.5	4.4	5.1	5.4	4.5	4.1	4.3	4.6	1948
1949.....	4.6	4.1	4.8	4.8	5.2	4.3	3.8	4.0	4.2	4.1	4.0	3.2	4.3	1949
1950.....	3.1	3.0	2.9	2.8	3.1	3.0	2.9	4.2	4.9	4.3	3.8	3.6	3.5	1950
1951.....	4.1	3.8	4.1	4.6	4.8	4.3	4.4	5.3	5.1	4.7	4.3	3.5	4.4	1951
1952.....	4.0	3.9	3.7	4.1	3.9	3.9	5.0	4.6	4.9	4.2	3.5	3.4	4.1	1952
1953.....	3.8	3.6	4.1	4.3	4.4	4.2	4.3	4.8	5.2	4.5	4.2	4.0	4.3	1953
1954.....	4.3	3.5	3.7	3.8	3.3	3.1	3.1	3.5	3.9	3.3	3.0	3.0	3.5	1954
1955.....	2.9	2.5	3.0	3.1	3.2	3.2	3.4	4.0	4.4	3.4				1955
Quit														
1948.....	2.6	2.5	2.8	3.0	2.8	2.9	2.9	3.4	3.9	2.8	2.2	1.7	2.8	1948
1949.....	1.7	1.4	1.6	1.7	1.6	1.5	1.4	1.8	2.1	1.5	1.2	.9	1.5	1949
1950.....	1.1	1.0	1.2	1.3	1.6	1.7	1.8	2.9	3.4	2.7	2.1	1.7	1.9	1950
1951.....	2.1	2.1	2.5	2.7	2.8	2.5	2.4	3.1	3.1	2.5	1.9	1.4	2.4	1951
1952.....	1.9	1.9	2.0	2.2	2.2	2.2	2.2	3.0	3.5	2.8	2.1	1.7	2.3	1952
1953.....	2.1	2.2	2.5	2.7	2.7	2.6	2.5	2.9	3.1	2.1	1.5	1.1	2.3	1953
1954.....	1.1	1.0	1.0	1.1	1.0	1.1	1.1	1.4	1.8	1.2	1.0	.9	1.1	1954
1955.....	1.0	1.0	1.3	1.5	1.5	1.5	1.6	2.2	2.8	1.8				1955
Discharge														
1948.....	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	1948
1949.....	.3	.3	.3	.2	.2	.2	.2	.3	.2	.2	.2	.2	.2	1949
1950.....	.2	.2	.2	.2	.3	.3	.3	.4	.4	.4	.3	.3	.3	1950
1951.....	.3	.3	.3	.4	.4	.4	.3	.4	.3	.4	.3	.3	.3	1951
1952.....	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3	.3	1952
1953.....	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.2	.4	1953
1954.....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	1954
1955.....	.2	.2	.2	.3	.3	.3	.3	.3	.3	.3				1955
Layoff														
1948.....	1.2	1.7	1.2	1.2	1.1	1.1	1.0	1.2	1.0	1.2	1.4	2.2	1.3	1948
1949.....	2.5	2.3	2.8	2.8	3.3	2.5	2.1	1.8	1.8	2.3	2.5	2.0	2.4	1949
1950.....	1.7	1.7	1.4	1.2	1.1	.9	.6	.6	.7	.8	1.1	1.3	1.1	1950
1951.....	1.0	.8	.8	1.0	1.2	1.0	1.3	1.4	1.3	1.4	1.7	1.5	1.2	1951
1952.....	1.4	1.3	1.1	1.3	1.1	1.1	2.2	1.0	.7	.7	.7	1.0	1.1	1952
1953.....	.9	.8	.8	.9	1.0	.9	1.1	1.3	1.5	1.8	2.3	2.5	1.3	1953
1954.....	2.8	2.2	2.3	2.4	1.9	1.7	1.6	1.7	1.7	1.6	1.6	1.7	1.9	1954
1955.....	1.5	1.1	1.3	1.2	1.1	1.2	1.3	1.3	1.1	1.1				1955
Miscellaneous, including military														
1948.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1948
1949.....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1949
1950.....	.1	.1	.1	.1	.1	.1	.2	.3	.4	.4	.3	.3	.2	1950
1951.....	.7	.6	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3	.5	1951
1952.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	1952
1953.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.2	.3	1953
1954.....	.3	.2	.2	.2	.2	.2	.2	.3	.3	.2	.1	.2	.2	1954
1955.....	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2				1955

Table B-2: Monthly labor turnover rates in selected industries

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955
MANUFACTURING.....	4.0	4.4	3.4	4.4	1.8	2.8	0.3	0.3	1.1	1.1	0.2	0.2
DURABLE GOODS.....	4.4	4.7	3.5	4.4	1.8	2.7	.4	.3	1.1	1.1	.2	.3
NONDURABLE GOODS.....	3.3	3.8	3.2	4.4	1.8	2.8	.3	.3	1.0	1.1	.2	.2
ORDNANCE AND ACCESSORIES.....	2.6	3.3	4.0	4.0	1.1	2.0	.3	.2	2.5	1.5	.1	.2
FOOD AND KINDRED PRODUCTS.....	3.9	4.9	4.4	6.0	1.6	2.6	.3	.3	2.4	2.8	.2	.2
Meat products.....	4.2	5.1	3.7	6.4	1.0	1.7	.2	.3	2.3	4.0	.2	.3
Grain-mill products.....	3.4	4.0	3.8	4.5	1.5	2.8	.3	.3	2.0	1.3	.1	.2
Bakery products.....	3.2	4.2	3.7	4.1	2.3	3.0	.4	.4	.8	.6	.2	.1
Beverages:												
Malt liquors.....	1.6	2.6	6.1	8.3	.4	2.4	.1	.2	5.5	5.6	.1	.2
TOBACCO MANUFACTURES.....	3.1	3.3	2.9	3.3	2.0	2.6	.4	.3	.5	.3	.1	.1
Cigarettes.....	2.2	1.9	2.1	2.7	1.3	1.8	.4	.3	.3	.5	.1	.1
Cigars.....	4.1	4.7	3.7	4.0	2.7	3.5	.4	.4	.6	.1	(1/)	(1/)
Tobacco and snuff.....	1.2	1.9	2.9	2.6	1.5	2.0	.3	.2	.7	.1	.3	.4
TEXTILE-MILL PRODUCTS.....	3.6	4.0	3.4	4.2	2.0	2.7	.3	.3	.9	1.1	.2	.2
Yarn and thread mills.....	3.8	4.1	4.6	5.3	2.3	2.7	.2	.3	1.9	2.0	.1	.2
Broad-woven fabric mills.....	3.6	4.0	3.5	4.2	2.1	2.8	.3	.3	.8	.9	.3	.3
Cotton, silk, synthetic fiber.....	3.5	3.8	3.3	3.9	2.2	2.8	.3	.3	.5	.6	.3	.2
Woolen and worsted.....	4.4	5.3	4.9	6.3	1.8	2.8	.3	.2	2.5	2.9	.3	.3
Knitting mills.....	3.6	4.1	3.1	4.5	1.9	3.0	.2	.3	.8	1.1	.2	.1
Full-fashioned hosiery.....	2.7	3.1	2.6	3.4	2.0	2.7	.1	.2	.3	.4	.1	.1
Seamless hosiery.....	3.9	4.0	2.4	4.0	1.5	2.5	.1	.3	.4	1.0	.3	.2
Knit underwear.....	3.1	4.5	2.8	4.2	1.9	3.1	.1	.3	.8	.8	(1/)	(1/)
Dyeing and finishing textiles.....	2.6	2.9	2.5	3.1	1.2	1.8	.2	.2	.9	.9	.2	.2
Carpets, rugs, other floor coverings...	3.2	3.9	2.3	3.4	1.1	1.8	.3	.3	.7	1.1	.2	.2
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....	4.2	5.1	4.0	4.8	2.9	3.9	.3	.3	.6	.4	.1	.1
Men's and boys' suits and coats.....	2.7	3.7	5.0	4.0	2.3	2.6	.3	.2	2.3	.9	.2	.2
Men's and boys' furnishings and work clothing.....	4.2	5.2	3.7	4.9	3.1	4.2	.3	.3	.2	.3	.1	.1
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....	4.6	6.4	5.7	6.6	3.0	4.9	.4	.4	2.1	1.1	.2	.2
Logging camps and contractors.....	(2/)	2.5	(2/)	1.9	(2/)	9.0	(2/)	.5	(2/)	2.2	(2/)	.1
Sawmills and planing mills.....	3.4	5.2	4.7	6.0	2.4	4.5	.4	.4	1.7	.8	.2	.2
Millwork, plywood, and prefabricated structural wood products.....	3.2	3.9	3.3	4.5	2.0	3.3	.3	.3	.9	.7	.2	.2
FURNITURE AND FIXTURES.....	4.9	5.7	5.0	4.9	2.7	3.6	.5	.6	1.6	.6	.2	.2
Household furniture.....	5.1	6.0	5.4	5.0	2.8	3.7	.6	.7	1.8	.5	.2	.2
Other furniture and fixtures.....	4.4	5.0	4.0	4.9	2.3	3.3	.4	.5	1.0	.8	.3	.3
PAPER AND ALLIED PRODUCTS.....	3.0	3.6	2.6	4.5	1.6	3.3	.3	.4	.6	.7	.2	.2
Pulp, paper, and paperboard mills.....	1.8	2.1	1.6	3.5	.8	2.5	.2	.2	.4	.5	.2	.2
Paperboard containers and boxes.....	4.8	5.5	3.8	5.2	2.9	4.0	.5	.6	.3	.4	.1	.2
CHEMICALS AND ALLIED PRODUCTS.....	2.0	2.1	1.9	2.9	1.0	2.1	.2	.2	.6	.4	.1	.2
Industrial inorganic chemicals.....	1.9	2.0	1.8	2.9	1.2	2.2	.3	.2	.1	.3	.2	.3
Industrial organic chemicals.....	1.5	1.6	1.1	2.3	.6	1.8	.1	.1	.3	.3	.1	.1
Synthetic fibers.....	1.1	1.3	1.3	1.6	.4	1.1	.1	(1/)	.7	.4	.1	.1
Drugs and medicines.....	1.5	1.6	1.4	2.5	.9	2.1	.1	.2	.3	.2	.1	.1
Paints, pigments, and fillers.....	1.9	1.7	1.9	3.6	1.4	2.8	.2	.1	.2	.5	.1	.2

See footnotes at end of table.

Table B-2: Monthly labor turnover rates in selected industries-Continued

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955
PRODUCTS OF PETROLEUM AND COAL.....	0.9	1.1	1.3	2.3	0.5	1.6	0.1	0.1	0.5	0.4	0.2	0.2
Petroleum refining.....	.7	.7	.8	1.8	.3	1.3	(1/)	(1/)	.2	.3	.2	.2
RUBBER PRODUCTS.....	3.6	4.0	2.4	3.1	1.5	2.4	.2	.2	.5	.3	.1	.2
Tires and inner tubes.....	1.8	2.0	1.3	2.2	.8	1.6	.2	.1	.2	.3	.1	.2
Rubber footwear.....	5.9	7.3	3.0	3.9	2.4	3.5	.2	.2	.2	.1	.2	.1
Other rubber products.....	4.6	5.0	3.2	3.8	1.8	2.8	.3	.4	.9	.5	.2	.2
LEATHER AND LEATHER PRODUCTS.....	3.9	4.0	3.6	4.8	2.5	3.4	.3	.3	.6	.9	.1	.2
Leather: tanned, curried, and finished..	3.2	3.6	2.7	4.1	1.2	2.1	.5	.3	.8	1.4	.3	.3
Footwear (except rubber).....	4.1	4.1	3.8	4.9	2.8	3.6	.3	.3	.6	.8	.1	.2
STONE, CLAY, AND GLASS PRODUCTS.....	3.2	3.2	2.4	3.8	1.3	2.4	.2	.3	.7	.9	.2	.2
Glass and glass products.....	3.3	3.3	2.8	4.2	.9	1.8	.1	.3	1.5	1.8	.2	.2
Cement, hydraulic.....	1.2	2.6	1.5	3.5	.8	2.6	.2	.3	.1	.3	.3	.3
Structural clay products.....	3.4	3.5	2.5	3.9	1.7	2.6	.3	.3	.3	.7	.2	.2
Pottery and related products.....	3.4	4.4	2.4	3.4	1.9	2.6	.2	.4	.2	.2	.1	.1
PRIMARY METAL INDUSTRIES.....	2.8	3.2	2.0	3.3	1.1	2.2	.3	.3	.5	.5	.2	.2
Blast furnaces, steel works, and rolling mills.....	1.5	2.1	1.4	2.9	.6	2.2	.1	.1	.4	.4	.2	.2
Iron and steel foundries.....	4.4	5.0	3.5	4.2	1.9	2.7	.6	.7	.8	.6	.2	.2
Gray-iron foundries.....	4.3	4.9	3.6	4.2	2.0	2.8	.6	.5	.8	.7	.2	.2
Malleable-iron foundries.....	4.5	5.9	4.1	4.9	2.0	3.6	.7	.8	1.2	.2	.3	.3
Steel foundries.....	4.5	4.7	3.0	3.8	1.7	2.3	.6	.8	.5	.5	.2	.2
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	3.5	3.3	2.2	3.5	1.7	2.8	.2	.3	.1	.2	.2	.3
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	3.6	3.1	1.4	2.1	.7	1.5	.4	.1	.1	.1	.2	.2
Nonferrous foundries.....	5.6	5.8	3.4	4.8	2.2	2.6	.4	.8	.6	1.1	.2	.3
Other primary metal industries:												
Iron and steel forgings.....	3.5	3.8	2.1	2.7	1.2	1.8	.4	.3	.4	.4	.1	.2
FABRICATED METAL PRODUCTS (EXCEPT ORD- NANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....	4.2	5.2	3.9	5.2	1.8	2.9	.4	.5	1.5	1.7	.2	.3
Cutlery, hand tools, and hardware.....	4.7	4.5	2.9	4.0	2.0	2.9	.4	.4	.4	.5	.2	.2
Cutlery and edge tools.....	4.7	3.2	2.3	2.5	1.9	2.0	.3	.1	.1	.2	.1	.1
Hand tools.....	3.9	3.4	2.3	3.2	1.5	2.4	.3	.2	.3	.4	.2	.1
Hardware.....	5.0	5.4	3.4	4.8	2.2	3.4	.5	.6	.5	.7	.2	.2
Heating apparatus (except electric) and plumbers' supplies.....	3.6	5.0	3.3	5.2	1.9	3.2	.5	.6	.7	1.2	.2	.2
Sanitary ware and plumbers' supplies...	3.0	4.2	2.2	4.1	1.3	2.9	.6	.7	.2	.3	.1	.1
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	3.9	5.4	3.8	5.8	2.2	3.4	.5	.6	.9	1.6	.2	.2
Fabricated structural metal products....	3.5	4.1	4.7	5.2	1.7	2.6	.5	.5	2.4	2.0	.2	.2
Metal stamping, coating, and engraving..	5.7	6.8	4.0	6.2	2.1	2.4	.4	.4	1.2	2.9	.2	.5

See footnotes at end of table.

Table B-2: Monthly labor turnover rates in selected industries-Continued

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955
MACHINERY (EXCEPT ELECTRICAL)	3.4	3.6	2.5	3.7	1.3	2.1	0.3	0.3	0.7	1.1	0.2	0.2
Engines and turbines.....	4.5	4.1	2.1	3.4	1.4	2.3	.4	.3	.1	.5	.2	.3
Agricultural machinery and tractors.....	(2/)	5.9	(2/)	6.7	(2/)	2.3	(2/)	.3	(2/)	3.7	(2/)	.4
Construction and mining machinery.....	3.4	3.7	2.1	3.5	1.3	2.5	.3	.4	.2	.3	.2	.2
Metalworking machinery.....	3.1	2.8	2.0	3.1	1.2	1.8	.2	.3	.4	.8	.2	.2
Machine tools.....	3.0	2.5	1.6	2.7	1.0	1.8	.2	.2	.2	.4	.2	.3
Metalworking machinery (except machine tools).....	2.9	2.7	1.9	2.0	1.0	1.5	.3	.2	.4	.1	.2	.3
Machine-tool accessories.....	3.6	3.6	2.8	4.8	1.7	2.1	.3	.4	.7	2.2	.1	.1
Special-industry machinery (except metalworking machinery).....	2.9	2.9	2.4	3.5	1.3	2.3	.2	.3	.7	.7	.2	.2
General industrial machinery.....	3.5	3.7	2.6	3.8	1.4	2.3	.4	.3	.6	.9	.2	.2
Office and store machines and devices....	4.3	3.7	3.0	2.4	2.0	1.8	.4	.2	.5	.2	.1	.2
Service-industry and household machines..	4.1	3.7	3.1	4.7	1.4	1.7	.3	.2	1.3	2.5	.2	.3
Miscellaneous machinery parts.....	3.3	3.7	3.0	3.0	1.2	1.9	.3	.3	1.2	.6	.2	.2
ELECTRICAL MACHINERY	4.9	5.4	3.5	4.2	2.3	3.0	.4	.3	.7	.6	.2	.3
Electrical generating, transmission, distribution, and industrial apparatus..	3.3	3.3	2.3	3.2	1.4	2.2	.2	.2	.4	.5	.2	.2
Communication equipment.....	(2/)	6.3	(2/)	4.4	(2/)	3.4	(2/)	.4	(2/)	.4	(2/)	.3
Radios, phonographs, television sets, and equipment.....	6.5	6.7	5.1	5.0	3.3	3.6	.7	.5	.9	.6	.2	.4
Telephone, telegraph, and related equipment.....	(2/)	5.3	(2/)	3.3	(2/)	2.9	(2/)	.1	(2/)	(1/)	(2/)	.3
Electrical appliances, lamps, and miscellaneous products.....	5.4	7.0	4.7	5.5	2.3	3.4	.6	.4	1.7	1.4	.1	.2
TRANSPORTATION EQUIPMENT	6.6	5.8	4.1	4.6	1.7	2.2	.3	.2	1.7	1.8	.4	.3
Automobiles.....	8.8	7.1	3.7	4.6	1.6	1.8	.4	.2	1.0	2.0	.7	.5
Aircraft and parts.....	3.3	3.3	2.2	3.6	1.5	2.6	.2	.2	.4	.7	.1	.1
Aircraft.....	2.9	3.2	2.1	3.7	1.6	2.9	.1	.1	.3	.5	.1	.1
Aircraft engines and parts.....	5.4	2.8	2.0	2.5	1.2	1.6	.2	.2	.4	.5	.2	.2
Aircraft propellers and parts.....	4.2	2.2	1.4	5.6	.9	.8	.1	.1	.2	4.7	.1	.1
Other aircraft parts and equipment.....	3.5	4.7	3.3	4.9	1.5	2.6	.4	.4	1.3	1.7	.1	.2
Ship and boat building and repairing....	11.8	12.3	18.1	10.4	2.8	2.8	.8	.5	14.2	7.0	.2	.1
Railroad equipment.....	5.0	6.0	4.4	5.1	.9	.9	.4	.4	2.5	3.2	.6	.6
Locomotives and parts.....	3.7	5.8	2.9	2.2	.8	.7	.3	.1	.9	.7	.9	.7
Railroad and street cars.....	5.5	6.2	5.1	6.6	.9	1.0	.5	.5	3.2	4.5	.5	.6
Other transportation equipment.....	8.1	10.1	4.3	7.1	3.3	5.7	.8	1.0	.1	(1/)	.1	.4
INSTRUMENTS AND RELATED PRODUCTS	(2/)	2.9	(2/)	3.2	(2/)	2.3	(2/)	.2	(2/)	.5	(2/)	.2
Photographic apparatus.....	(2/)	1.2	(2/)	3.8	(2/)	2.8	(2/)	.1	(2/)	.7	(2/)	.1
Watches and clocks.....	(2/)	5.5	(2/)	3.3	(2/)	2.1	(2/)	.3	(2/)	.4	(2/)	.5
Professional and scientific instruments..	2.7	2.9	2.1	3.0	7.2	2.1	.3	.2	.4	.5	.1	.2
MISCELLANEOUS MANUFACTURING INDUSTRIES	4.8	5.6	4.4	6.0	2.5	3.8	.4	.5	1.2	1.5	.2	.2
Jewelry, silverware, and plated ware....	3.2	4.3	2.7	4.2	1.9	3.0	.2	.4	.2	.5	.3	.3

See footnotes at end of table.

Table B-2: Monthly labor turnover rates in selected industries-Continued

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955	Oct. 1955	Sept. 1955
NONMANUFACTURING:												
METAL MINING.....	3.4	3.9	2.8	4.5	2.1	3.7	0.2	0.3	0.2	0.2	0.2	0.3
Iron mining.....	1.4	1.0	1.0	1.9	.4	1.3	(1/)	.1	.3	.2	.2	.3
Copper mining.....	4.5	5.7	3.7	5.3	3.1	4.5	.3	.4	(1/)	.1	.3	.3
Lead and zinc mining.....	1.6	3.0	1.4	3.5	1.0	2.7	(1/)	.1	.1	.5	.2	.2
ANTHRACITE MINING.....	3.5	5.0	2.4	3.6	1.2	1.3	(1/)	(1/)	1.0	2.1	.1	.2
BITUMINOUS-COAL MINING.....	1.2	1.8	1.1	1.7	.4	.6	(1/)	(1/)	.6	.9	.1	.1
COMMUNICATION:												
Telephone.....	(2/)	2.3	(2/)	2.8	(2/)	2.2	(2/)	.1	(2/)	.5	(2/)	.1
Telegraph 3/.....	(2/)	1.8	(2/)	2.4	(2/)	1.7	(2/)	.1	(2/)	.4	(2/)	.2

1/ Less than 0.05.

2/ Not available.

3/ Data relate to domestic employees except messengers and those compensated entirely on a commission basis.

Hours and Earnings

**Table C-1: Hours and gross earnings of production workers
or nonsupervisory employees**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
MINING:									
METAL MINING.....	\$97.81	\$96.73	\$83.41	42.9	42.8	40.1	\$2.28	\$2.26	\$2.08
Iron mining.....	102.37	100.08	80.30	42.3	41.7	36.5	2.42	2.40	2.20
Copper mining.....	98.33	99.68	86.94	43.7	44.3	42.0	2.25	2.25	2.07
Lead and zinc mining.....	87.15	86.73	75.30	42.1	42.1	40.7	2.07	2.06	1.85
ANTHRACITE.....	96.72	72.61	86.27	37.2	28.7	34.1	2.60	2.53	2.53
BITUMINOUS-COAL.....	99.86	96.73	87.54	37.4	36.5	35.3	2.67	2.65	2.48
CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION:									
Petroleum and natural-gas production (except contract services).....	96.76	95.88	90.85	41.0	40.8	40.2	2.36	2.35	2.26
NONMETALLIC MINING AND QUARRYING.....	83.99	85.83	79.92	45.4	45.9	44.9	1.85	1.87	1.78
CONTRACT CONSTRUCTION.....									
NONBUILDING CONSTRUCTION.....	99.84	102.29	94.13	41.6	42.8	40.4	2.40	2.39	2.33
Highway and street.....	97.13	102.13	86.62	42.6	44.6	40.1	2.28	2.29	2.16
Other nonbuilding construction.....	102.31	102.75	100.53	40.6	41.1	40.7	2.52	2.50	2.47
BUILDING CONSTRUCTION.....	98.01	100.61	96.26	36.3	37.4	36.6	2.70	2.69	2.63
GENERAL CONTRACTORS.....	91.19	93.61	91.62	35.9	37.0	36.5	2.54	2.53	2.51
SPECIAL-TRADE CONTRACTORS.....	102.48	104.90	99.46	36.6	37.6	36.7	2.80	2.79	2.71
Plumbing and heating.....	108.96	109.80	103.63	38.5	38.8	38.1	2.83	2.83	2.72
Painting and decorating.....	97.02	99.25	92.75	34.9	35.7	35.0	2.78	2.78	2.65
Electrical work.....	121.60	120.90	115.05	40.0	39.9	39.0	3.04	3.03	2.95
Other special-trade contractors.....	97.54	101.28	94.87	35.6	37.1	35.8	2.74	2.73	2.55
MANUFACTURING.....									
DURABLE GOODS.....	85.07	84.46	77.97	41.7	41.4	40.4	2.04	2.04	1.93
NONDURABLE GOODS.....	69.32	68.97	65.07	40.3	40.1	39.2	1.72	1.72	1.66
ORDNANCE AND ACCESSORIES.....	85.28	85.28	81.41	41.0	41.0	40.5	2.08	2.08	2.01
FOOD AND KINDRED PRODUCTS.....	73.63	72.98	68.30	41.6	41.7	40.9	1.77	1.75	1.67
Meat products.....	87.95	87.52	78.02	42.9	42.9	41.5	2.05	2.04	1.88
Meat packing, wholesale.....	92.88	92.44	81.71	43.2	43.4	41.9	2.15	2.13	1.95
Sausages and casings.....	83.95	84.51	76.30	42.4	42.9	40.8	1.98	1.97	1.87
Dairy products.....	72.07	73.95	70.47	42.9	43.5	43.5	1.68	1.70	1.62
Condensed and evaporated milk.....	73.80	76.19	70.31	45.0	45.9	44.5	1.64	1.66	1.58
Ice cream and ices.....	75.83	77.69	71.74	42.6	43.4	42.7	1.78	1.79	1.68
Canning and preserving.....	59.05	58.65	53.13	39.9	39.9	38.5	1.48	1.47	1.38
Sea food, canned and cured.....	51.94	49.68	38.09	34.4	32.9	27.4	1.51	1.51	1.39
Canned fruits, vegetables, and soups..	61.76	60.75	55.60	40.9	40.5	40.0	1.51	1.50	1.39
Grain-mill products.....	79.03	80.28	75.31	44.4	45.1	44.3	1.78	1.78	1.70
Flour and other grain-mill products..	89.75	87.61	82.45	46.5	46.6	45.3	1.93	1.88	1.82
Prepared feeds.....	74.20	77.11	72.19	44.7	45.9	45.4	1.66	1.68	1.59
Bakery products.....	71.69	71.28	68.38	41.2	41.2	40.7	1.74	1.73	1.68
Bread and other bakery products.....	73.10	72.86	70.11	41.3	41.4	41.0	1.77	1.76	1.71
Biscuits, crackers, and pretzels.....	64.96	64.72	61.93	40.6	40.2	39.7	1.60	1.61	1.56

**Table C-1: Hours and gross earnings of production workers
or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
FOOD AND KINDRED PRODUCTS - Continued									
Sugar.....	\$75.78	\$81.65	\$68.06	42.1	43.2	41.5	\$1.80	\$1.89	\$1.64
Cane-sugar refining.....	97.23	91.30	74.03	47.2	45.2	39.8	2.06	2.02	1.86
Beet sugar.....	63.73	73.12	67.78	39.1	40.4	42.9	1.63	1.81	1.58
Confectionery and related products.....	60.24	59.39	55.55	40.7	40.4	39.4	1.48	1.47	1.41
Confectionery.....	58.61	57.23	53.84	40.7	40.3	39.3	1.44	1.42	1.37
Beverages.....	81.80	84.66	78.78	40.1	40.9	40.4	2.04	2.07	1.95
Bottled soft drinks.....	61.80	66.34	61.59	41.2	42.8	41.9	1.50	1.55	1.47
Malt liquors.....	96.82	99.45	91.80	39.2	40.1	39.4	2.47	2.48	2.33
Distilled, rectified, and blended liquors.....	81.78	81.37	76.25	39.7	39.5	39.1	2.06	2.06	1.95
Miscellaneous food products.....	70.47	69.81	67.68	42.2	41.8	42.3	1.67	1.67	1.60
Corn sirup, sugar, oil, and starch.....	85.08	83.63	86.96	41.5	41.4	43.7	2.05	2.02	1.99
Manufactured ice.....	67.35	66.60	65.86	45.2	44.7	44.8	1.49	1.49	1.47
TOBACCO MANUFACTURES.....									
Cigarettes.....	51.25	50.50	49.72	41.0	40.4	40.1	1.25	1.25	1.24
Cigars.....	67.23	65.13	66.99	40.5	39.0	41.1	1.66	1.67	1.63
Cigars.....	46.08	46.20	44.66	38.4	38.5	38.5	1.20	1.20	1.16
Tobacco and snuff.....	55.86	55.42	54.53	38.0	37.7	38.4	1.47	1.47	1.42
Tobacco stemming and redrying.....	43.17	42.58	39.96	44.5	43.9	41.2	.97	.97	.97
TEXTILE-MILL PRODUCTS.....									
Scouring and combing plants.....	57.39	56.70	53.70	40.7	40.5	39.2	1.41	1.40	1.37
Yarn and thread mills.....	62.40	65.72	55.03	40.0	42.4	35.5	1.56	1.55	1.55
Yarn mills.....	50.96	50.96	47.00	39.2	39.5	37.6	1.30	1.29	1.25
Thread mills.....	51.09	51.08	47.13	39.3	39.6	37.7	1.30	1.29	1.25
Broad-woven fabric mills.....	52.67	52.80	44.80	39.9	40.0	35.0	1.32	1.32	1.28
Cotton, silk, synthetic fiber.....	56.44	56.17	52.14	41.2	41.0	39.5	1.37	1.37	1.32
North.....	55.62	55.08	50.96	41.2	40.8	39.5	1.35	1.35	1.29
South.....	57.77	57.77	55.81	40.4	40.4	39.3	1.43	1.43	1.42
Woolen and worsted.....	54.93	54.40	50.17	41.3	40.9	39.5	1.33	1.33	1.27
Narrow fabrics and smallwares.....	63.95	63.99	60.80	41.8	42.1	40.0	1.53	1.52	1.52
Knitting mills.....	57.20	56.40	54.60	40.0	40.0	39.0	1.43	1.41	1.40
Full-fashioned hosiery.....	53.06	51.21	50.17	39.3	38.5	38.3	1.35	1.33	1.31
North.....	57.96	54.10	54.96	38.9	36.8	37.9	1.49	1.47	1.45
South.....	57.13	53.00	53.00	38.6	36.3	36.3	1.48	1.46	1.46
Seamless hosiery.....	58.65	54.54	56.12	39.1	37.1	38.7	1.50	1.47	1.45
North.....	45.93	44.60	43.66	38.6	37.8	38.3	1.19	1.18	1.14
South.....	49.32	48.09	44.72	40.1	39.1	37.9	1.23	1.23	1.18
Knit outerwear.....	45.31	43.99	43.39	38.4	37.6	38.4	1.18	1.17	1.13
Knit underwear.....	55.63	54.99	53.38	38.9	39.0	38.4	1.43	1.41	1.39
Dyeing and finishing textiles.....	49.88	49.60	45.74	39.9	40.0	37.8	1.25	1.24	1.21
Dyeing and finishing textiles (except wool).....	67.51	65.60	62.67	43.0	42.6	41.5	1.57	1.54	1.51
Carpets, rugs, other floor coverings.....	67.67	65.18	62.55	43.1	42.6	41.7	1.57	1.53	1.50
Wool carpets, rugs, and carpet yarn.....	76.90	75.47	72.28	43.2	42.4	41.3	1.78	1.78	1.75
Hats (except cloth and millinery).....	73.74	71.93	67.82	41.9	41.1	39.2	1.76	1.75	1.73
Miscellaneous textile goods.....	54.16	58.81	53.59	35.4	37.7	34.8	1.53	1.56	1.54
Felt goods (except woven felts and hats).....	68.04	67.88	62.87	42.0	41.9	40.3	1.62	1.62	1.56
Lace goods.....	77.11	75.42	71.81	42.6	41.9	40.8	1.81	1.80	1.76
Paddings and upholstery filling.....	64.45	64.46	61.38	39.3	38.9	37.2	1.64	1.67	1.65
Processed waste and recovered fibers.....	74.36	70.72	67.57	44.0	41.6	41.2	1.69	1.70	1.64
Artificial leather, oilcloth, and other coated fabrics.....	51.61	50.63	52.08	42.3	41.5	42.0	1.22	1.22	1.24
Cordage and twine.....	89.05	92.12	81.84	45.9	47.0	44.0	1.94	1.96	1.86
Cordage and twine.....	55.24	56.68	53.54	38.9	40.2	38.8	1.42	1.41	1.38

Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....	\$50.59	\$50.05	\$47.84	37.2	36.8	35.7	\$1.36	\$1.36	\$1.34
Men's and boys' suits and coats.....	60.23	61.92	53.63	36.5	37.3	32.9	1.65	1.66	1.63
Men's and boys' furnishings and work clothing.....	43.17	42.83	41.58	38.2	37.9	36.8	1.13	1.13	1.13
Shirts, collars, and nightwear.....	44.05	43.43	42.75	38.3	38.1	37.5	1.15	1.14	1.14
Separate trousers.....	43.38	43.52	42.13	37.4	37.2	35.7	1.16	1.17	1.18
Work shirts.....	38.61	37.91	33.65	39.4	39.9	35.8	.98	.95	.94
Women's outerwear.....	53.15	52.59	50.40	35.2	34.6	33.6	1.51	1.52	1.50
Women's dresses.....	54.56	53.90	52.05	35.2	35.0	33.8	1.55	1.54	1.54
Household apparel.....	41.66	40.07	40.18	37.2	36.1	36.2	1.12	1.11	1.11
Women's suits, coats, and skirts.....	62.40	63.56	59.40	32.0	32.1	29.7	1.95	1.98	2.00
Women's, children's under garments.....	47.00	45.38	45.50	37.9	37.2	37.6	1.24	1.22	1.21
Underwear and nightwear, except corsets.	45.05	43.24	43.05	38.5	37.6	38.1	1.17	1.15	1.13
Corsets and allied garments.....	50.32	49.41	49.18	37.0	36.6	36.7	1.36	1.35	1.34
Millinery.....	61.22	61.06	59.13	38.5	38.4	36.5	1.59	1.59	1.62
Children's outerwear.....	45.51	45.38	44.16	36.7	36.6	36.2	1.24	1.24	1.22
Miscellaneous apparel and accessories....	47.00	47.12	45.38	37.9	38.0	37.2	1.24	1.24	1.22
Other fabricated textile products.....	55.75	52.13	49.15	40.4	38.9	38.4	1.38	1.34	1.28
Curtains, draperies, and other house-furnishings.....	49.17	47.31	45.24	40.3	39.1	39.0	1.22	1.21	1.16
Textile bags.....	56.28	55.70	51.71	40.2	39.5	38.3	1.40	1.41	1.35
Canvas products.....	53.70	51.59	52.50	39.2	38.5	38.6	1.37	1.34	1.36
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....	71.21	70.93	69.72	41.4	41.0	41.5	1.72	1.73	1.68
Logging camps and contractors.....	80.59	78.93	77.03	39.7	38.5	39.3	2.03	2.05	1.96
Sawmills and planing mills.....	71.90	71.62	70.81	41.8	41.4	41.9	1.72	1.73	1.69
Sawmills and planing mills, general....	72.31	72.04	71.40	41.8	41.4	42.0	1.73	1.74	1.70
South.....	47.74	47.95	46.11	43.8	44.4	43.5	1.09	1.08	1.06
West.....	90.29	88.69	88.44	39.6	38.9	40.2	2.28	2.28	2.20
Millwork, plywood, and prefabricated structural wood products.....	73.81	74.58	74.12	41.7	41.9	42.6	1.77	1.78	1.74
Millwork.....	73.15	73.68	73.96	41.8	42.1	43.0	1.75	1.75	1.72
Plywood.....	77.94	78.81	77.51	43.3	43.3	43.3	1.80	1.82	1.79
Wooden containers.....	54.63	53.32	51.82	41.7	40.7	40.8	1.31	1.31	1.27
Wooden boxes, other than cigar.....	55.02	53.43	51.56	42.0	41.1	40.6	1.31	1.30	1.27
Miscellaneous wood products.....	58.38	58.80	56.72	41.7	41.7	41.1	1.40	1.41	1.38
FURNITURE AND FIXTURES.....	70.13	69.37	65.10	42.5	42.3	41.2	1.65	1.64	1.58
Household furniture.....	67.62	66.57	62.62	42.8	42.4	41.2	1.58	1.57	1.52
Wood household furniture, except upholstered.....	60.90	59.08	56.44	43.5	42.5	41.5	1.40	1.39	1.36
Wood household furniture, upholstered...	74.20	72.41	68.89	42.4	42.1	41.5	1.75	1.72	1.66
Mattresses and bedsprings.....	75.42	77.70	68.95	41.9	43.9	40.8	1.80	1.77	1.69
Office, public-building, and professional furniture.....	77.04	77.96	72.98	42.1	42.6	41.7	1.83	1.83	1.75
Wood office furniture.....	67.20	68.53	60.49	42.8	43.1	40.6	1.57	1.59	1.49
Metal office furniture.....	85.26	85.45	78.34	42.0	42.3	40.8	2.03	2.02	1.92
Partitions, shelving, lockers, and fixtures.....	85.07	86.31	75.84	41.7	41.9	39.5	2.04	2.06	1.92
Screens, blinds, and miscellaneous furniture and fixtures.....	65.92	66.49	65.41	41.2	41.3	41.4	1.60	1.61	1.58

**Table C-1: Hours and gross earnings of production workers
or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
PAPER AND ALLIED PRODUCTS.....	\$81.35	\$81.10	\$76.01	43.5	43.6	42.7	\$1.87	\$1.86	\$1.78
Pulp, paper, and paperboard mills.....	88.75	88.11	82.16	44.6	44.5	43.7	1.99	1.98	1.88
Paperboard containers and boxes.....	77.51	76.64	71.23	43.3	43.3	42.4	1.79	1.77	1.68
Paperboard boxes.....	77.25	76.38	71.14	43.4	43.4	42.6	1.78	1.76	1.67
Fiber cans, tubes, and drums.....	81.67	80.45	74.80	42.1	41.9	40.0	1.94	1.92	1.87
Other paper and allied products.....	70.38	71.23	67.65	41.4	41.9	41.0	1.70	1.70	1.65
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....	92.90	93.14	87.94	39.2	39.3	38.4	2.37	2.37	2.29
Newspapers.....	98.45	98.28	94.32	36.5	36.4	36.0	2.69	2.70	2.62
Periodicals.....	99.70	97.44	89.55	41.2	40.6	39.8	2.42	2.40	2.25
Books.....	81.61	81.41	76.82	40.6	40.5	39.6	2.01	2.01	1.94
Commercial printing.....	91.03	91.94	86.29	40.1	40.5	39.4	2.27	2.27	2.19
Lithographing.....	93.61	95.76	88.00	40.7	41.1	40.0	2.30	2.33	2.20
Greeting cards.....	57.28	56.74	52.68	38.7	38.6	37.9	1.48	1.47	1.39
Bookbinding and related industries.....	70.62	70.62	68.38	39.9	39.9	39.3	1.77	1.77	1.74
Miscellaneous publishing and printing services.....	110.48	111.11	104.99	39.6	40.7	38.6	2.79	2.73	2.72
CHEMICALS AND ALLIED PRODUCTS.....	83.21	84.25	78.69	41.4	41.5	41.2	2.01	2.03	1.91
Industrial inorganic chemicals.....	90.94	91.62	87.31	40.6	40.9	40.8	2.24	2.24	2.14
Alkalies and chlorine.....	89.76	88.66	86.67	40.8	40.3	40.5	2.20	2.20	2.14
Industrial organic chemicals.....	88.13	89.60	83.64	40.8	41.1	40.6	2.16	2.18	2.06
Plastics, except synthetic rubber.....	90.53	91.16	85.87	42.5	42.4	42.3	2.13	2.15	2.03
Synthetic rubber.....	98.83	100.08	91.39	41.7	41.7	40.8	2.37	2.40	2.24
Synthetic fibers.....	74.84	77.18	72.40	39.6	40.2	40.0	1.89	1.92	1.81
Explosives.....	83.02	83.85	78.01	40.3	40.9	39.6	2.06	2.05	1.97
Drugs and medicines.....	75.52	75.89	73.34	40.6	40.8	41.2	1.86	1.86	1.78
Soap, cleaning and polishing preparations.....	87.98	88.62	82.01	41.5	41.8	40.8	2.12	2.12	2.01
Soap and glycerin.....	95.58	96.23	89.54	41.2	41.3	40.7	2.32	2.33	2.20
Paints, pigments, and fillers.....	85.65	84.22	77.90	42.4	41.9	41.0	2.02	2.01	1.90
Paints, varnishes, lacquers, and enamels.....	83.78	82.15	76.11	42.1	41.7	40.7	1.99	1.97	1.87
Gum and wood chemicals.....	70.64	74.36	67.36	42.3	44.0	42.1	1.67	1.69	1.60
Fertilizers.....	64.26	66.14	60.19	42.0	42.4	41.8	1.53	1.56	1.44
Vegetable and animal oils and fats.....	71.55	71.46	67.68	47.7	46.1	47.0	1.50	1.55	1.44
Vegetable oils.....	66.50	64.64	63.10	48.9	46.5	47.8	1.36	1.39	1.32
Animal oils and fats.....	81.99	83.08	77.63	45.3	45.4	45.4	1.81	1.83	1.71
Miscellaneous chemicals.....	76.86	75.67	72.09	41.1	40.9	40.5	1.87	1.85	1.78
Essential oils, perfumes, cosmetics.....	63.99	63.34	60.76	39.5	39.1	39.2	1.62	1.62	1.55
Compressed and liquified gases.....	88.58	88.99	82.74	43.0	43.2	42.0	2.06	2.06	1.97
PRODUCTS OF PETROLEUM AND COAL.....	98.88	100.36	92.57	41.2	41.3	40.6	2.40	2.43	2.28
Petroleum refining.....	101.84	102.82	95.75	40.9	40.8	40.4	2.49	2.52	2.37
Coke, other petroleum and coal products..	89.68	92.88	82.17	42.3	43.0	41.5	2.12	2.16	1.98
RUBBER PRODUCTS.....	89.25	86.74	81.20	42.1	41.5	40.4	2.12	2.09	2.01
Tires and inner tubes.....	104.23	101.02	90.39	42.2	41.4	39.3	2.47	2.44	2.30
Rubber footwear.....	69.20	67.60	71.34	40.0	39.3	41.0	1.73	1.72	1.74
Other rubber products.....	80.56	78.96	74.98	42.4	42.0	41.2	1.90	1.88	1.82
LEATHER AND LEATHER PRODUCTS.....	53.39	52.45	49.62	37.6	37.2	35.7	1.42	1.41	1.39
Leather: tanned, curried, and finished...	73.38	72.58	69.60	40.1	40.1	39.1	1.83	1.81	1.78
Industrial leather belting and packing...	74.38	73.28	66.53	42.5	41.4	39.6	1.75	1.77	1.68
Boot and shoe cut stock and findings....	50.78	51.14	47.66	36.8	37.6	35.3	1.38	1.36	1.35
Footwear (except rubber).....	49.41	49.01	45.62	36.6	36.3	34.3	1.35	1.35	1.33

Hours and Earnings

Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
LEATHER AND LEATHER PRODUCTS - Continued									
Luggage.....	\$65.12	\$61.85	\$61.20	40.7	39.9	40.0	\$1.60	\$1.55	\$1.53
Handbags and small leather goods.....	51.09	49.02	48.63	39.0	38.0	38.9	1.31	1.29	1.25
Gloves and miscellaneous leather goods...	47.50	46.00	45.38	38.0	37.1	36.6	1.25	1.24	1.24
STONE, CLAY, AND GLASS PRODUCTS.....									
Flat glass.....	78.77	79.19	73.34	41.9	41.9	41.2	1.88	1.89	1.78
Glass and glassware, pressed or blown...	112.56	115.45	102.12	42.0	42.6	42.2	2.68	2.71	2.42
Glass containers.....	75.79	75.62	72.25	40.1	39.8	39.7	1.89	1.90	1.82
Pressed and blown glass.....	76.19	76.02	73.63	40.1	39.8	39.8	1.90	1.91	1.85
Cement, hydraulic.....	74.80	74.64	70.31	40.0	39.7	39.5	1.87	1.88	1.78
Glass products made of purchased glass...	68.79	66.82	63.72	42.2	41.5	42.2	1.63	1.61	1.51
Structural clay products.....	79.27	82.76	76.91	41.5	41.8	41.8	1.91	1.98	1.84
Brick and hollow tile.....	72.31	71.97	67.40	41.8	41.6	41.1	1.73	1.73	1.64
Floor and wall tile.....	70.20	70.52	65.79	43.6	43.8	43.0	1.61	1.61	1.53
Sewer pipe.....	71.78	68.90	68.28	40.1	39.6	40.4	1.79	1.74	1.69
Clay refractories.....	72.45	71.98	69.19	41.4	40.9	40.7	1.75	1.76	1.70
Pottery and related products.....	78.99	77.37	68.63	39.3	38.3	36.9	2.01	2.02	1.86
Concrete, gypsum, and plaster products...	68.82	66.55	64.26	39.1	37.6	37.8	1.76	1.77	1.70
Concrete products.....	79.47	81.17	76.27	44.9	45.6	44.6	1.77	1.78	1.71
Cut-stone and stone products.....	76.39	78.83	74.09	45.2	46.1	44.9	1.69	1.71	1.65
Miscellaneous nonmetallic mineral products.....	70.58	69.93	66.04	43.3	42.9	41.8	1.63	1.63	1.58
Abrasive products.....	84.00	83.80	75.58	42.0	41.9	40.2	2.00	2.00	1.88
Asbestos products.....	91.56	87.97	78.20	42.0	41.3	39.1	2.18	2.13	2.00
Nonclay refractories.....	87.84	87.60	78.66	43.7	43.8	41.4	2.01	2.00	1.90
Miscellaneous nonmetallic mineral products.....	85.86	92.27	72.00	38.5	39.6	36.0	2.23	2.33	2.00
PRIMARY METAL INDUSTRIES.....									
Blast furnaces, steel works, and rolling mills.....	96.10	97.39	82.86	41.6	41.8	38.9	2.31	2.33	2.13
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	100.12	103.91	84.45	40.7	41.4	37.7	2.46	2.51	2.24
Electrometallurgical products.....	100.12	104.33	84.45	40.7	41.4	37.7	2.46	2.52	2.24
Iron and steel foundries.....	87.91	88.37	82.01	40.7	41.1	40.4	2.16	2.15	2.03
Gray-iron foundries.....	88.40	86.51	75.66	42.5	42.2	39.2	2.08	2.05	1.93
Malleable-iron foundries.....	87.33	85.45	75.05	42.6	42.3	39.5	2.05	2.02	1.90
Steel foundries.....	82.82	84.65	77.02	41.0	41.7	39.7	2.02	2.03	1.94
Primary smelting and refining of nonferrous metals.....	93.95	91.15	76.00	42.9	42.2	38.0	2.19	2.16	2.00
Primary smelting and refining of copper, lead, and zinc.....	88.37	89.42	80.40	41.1	41.4	40.0	2.15	2.16	2.01
Primary refining of aluminum.....	85.28	87.57	76.43	41.2	41.7	39.6	2.07	2.10	1.93
Secondary smelting and refining of nonferrous metals.....	93.32	92.06	86.46	40.4	40.2	40.4	2.31	2.29	2.14
Rolling, drawing and alloying of nonferrous metals.....	86.17	86.13	77.15	43.3	43.5	41.7	1.99	1.98	1.85
Rolling, drawing, and alloying of copper.....	93.96	92.21	83.03	43.1	42.3	40.7	2.18	2.18	2.04
Rolling, drawing, and alloying of aluminum.....	98.10	96.14	83.64	45.0	43.9	40.6	2.18	2.19	2.06
Nonferrous foundries.....	90.42	88.91	81.61	41.1	40.6	40.4	2.20	2.19	2.02
Miscellaneous primary metal industries...	91.57	87.56	84.25	42.2	41.3	40.9	2.17	2.12	2.06
Iron and steel forgings.....	101.72	99.96	86.18	43.1	42.9	39.9	2.36	2.33	2.16
Wire drawing.....	105.72	104.30	87.46	42.8	42.4	38.7	2.47	2.46	2.26
Welded and heavy-riveted pipe.....	100.28	98.29	87.33	43.6	43.3	41.0	2.30	2.27	2.13
Welded and heavy-riveted pipe.....	95.22	94.16	85.22	41.4	41.3	40.2	2.30	2.28	2.12

**Table C-1: Hours and gross earnings of production workers
or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).	\$85.24	\$84.02	\$78.53	42.2	41.8	40.9	\$2.02	\$2.01	\$1.92
Tin cans and other tinware.....	90.31	86.72	80.00	42.4	42.3	40.2	2.13	2.05	1.99
Cutlery, hand tools, and hardware.....	82.94	79.73	75.70	42.1	41.1	40.7	1.97	1.94	1.86
Cutlery and edge tools.....	72.49	70.72	68.21	41.9	41.6	40.6	1.73	1.70	1.68
Hand tools.....	82.37	81.16	73.10	41.6	41.2	39.3	1.98	1.97	1.86
Hardware.....	85.87	81.80	79.30	42.3	40.9	41.3	2.03	2.00	1.92
Heating apparatus (except electric) and plumbers' supplies.....	81.77	81.56	76.92	41.3	41.4	40.7	1.98	1.97	1.89
Sanitary ware and plumbers' supplies....	86.52	84.87	79.59	41.2	41.0	40.4	2.10	2.07	1.97
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	79.90	80.10	75.89	41.4	41.5	40.8	1.93	1.93	1.86
Fabricated structural metal products.....	86.52	86.31	79.56	42.0	41.9	40.8	2.06	2.06	1.95
Structural steel and ornamental metal work.....	87.77	88.18	79.90	42.4	42.6	41.4	2.07	2.07	1.93
Metal doors, sash, frames, molding, and trim.....	83.03	83.64	80.19	40.7	40.8	40.5	2.04	2.05	1.98
Boiler-shop products.....	83.84	83.43	78.39	41.1	41.1	40.2	2.04	2.03	1.95
Sheet-metal work.....	90.08	87.36	78.78	43.1	42.0	40.4	2.09	2.08	1.95
Metal stamping, coating, and engraving...	86.93	85.28	82.98	42.2	41.6	41.7	2.06	2.05	1.99
Vitreous-enameled products.....	68.78	70.64	63.18	40.7	41.8	39.0	1.69	1.69	1.62
Stamped and pressed metal products.....	89.46	87.57	85.90	42.2	41.5	41.9	2.12	2.11	2.05
Lighting fixtures.....	83.78	80.29	76.48	42.1	41.6	40.9	1.99	1.93	1.87
Fabricated wire products.....	79.23	78.06	73.89	41.7	41.3	40.6	1.90	1.89	1.82
Miscellaneous fabricated metal products..	87.03	85.17	77.08	43.3	42.8	41.0	2.01	1.99	1.88
Metal shipping barrels, drums, kegs, and pails.....	92.60	94.13	83.64	41.9	42.4	40.6	2.21	2.22	2.06
Steel springs.....	88.13	83.10	77.01	40.8	39.2	38.7	2.16	2.12	1.99
Bolts, nuts, washers, and rivets.....	92.80	90.02	78.91	44.4	43.7	41.1	2.09	2.06	1.92
Screw-machine products.....	84.97	82.56	76.45	43.8	43.0	41.1	1.94	1.92	1.86
MACHINERY (EXCEPT ELECTRICAL).....	90.10	88.83	81.61	42.3	42.1	40.2	2.13	2.11	2.03
Engines and turbines.....	93.83	93.44	85.97	41.7	41.9	39.8	2.25	2.23	2.16
Steam engines, turbines, and water wheels.....	94.33	96.70	97.34	39.8	40.8	40.9	2.37	2.37	2.38
Diesel and other internal-combustion engines, not elsewhere classified.....	93.58	92.00	81.56	42.2	42.2	39.4	2.22	2.18	2.07
Agricultural machinery and tractors.....	86.88	83.02	76.81	40.6	40.3	38.6	2.14	2.06	1.99
Tractors.....	92.51	88.73	79.52	41.3	40.7	38.6	2.24	2.18	2.06
Agricultural machinery (except tractors).....	81.00	77.60	73.73	39.9	40.0	38.6	2.03	1.94	1.91
Construction and mining machinery.....	90.09	90.51	78.01	42.9	43.1	39.8	2.10	2.10	1.96
Construction and mining machinery, except for oil fields.....	89.46	90.09	77.22	42.6	42.9	39.6	2.10	2.10	1.95
Oil-field machinery and tools.....	91.77	90.92	79.79	43.7	43.5	40.3	2.10	2.09	1.98
Metalworking machinery.....	100.99	98.08	92.16	44.1	43.4	41.7	2.29	2.26	2.21
Machine tools.....	99.88	93.73	87.99	45.4	42.8	41.7	2.20	2.19	2.11
Metalworking machinery (except machine tools).....	97.01	95.47	83.41	43.5	43.2	40.1	2.23	2.21	2.08
Machine-tool accessories.....	102.90	102.05	98.60	43.6	43.8	42.5	2.36	2.33	2.32
Special-industry machinery (except metalworking machinery).....	85.63	84.80	79.37	42.6	42.4	40.7	2.01	2.00	1.95
Food-products machinery.....	86.11	87.14	79.59	41.8	42.3	40.4	2.06	2.06	1.97
Textile machinery.....	74.52	73.93	70.18	41.4	41.3	40.1	1.80	1.79	1.75
Paper-industries machinery.....	90.70	90.50	82.10	44.9	44.8	42.1	2.02	2.02	1.95
Printing-trades machinery and equipment.	96.34	93.04	88.32	43.2	42.1	40.7	2.23	2.21	2.17

Hours and Earnings

Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
MACHINERY (EXCEPT ELECTRICAL) - Continued									
General industrial machinery.....	\$90.31	\$88.83	\$81.20	42.6	42.3	40.4	\$2.12	\$2.10	\$2.01
Pumps, air and gas compressors.....	89.46	86.31	80.39	42.6	41.9	40.6	2.10	2.06	1.98
Conveyors and conveying equipment.....	91.12	90.73	81.20	41.8	42.2	40.0	2.18	2.15	2.03
Blowers, exhaust and ventilating fans...	80.57	84.80	76.40	40.9	42.4	40.0	1.97	2.00	1.91
Industrial trucks, tractors, etc.....	93.68	87.34	81.41	44.4	42.4	40.5	2.11	2.06	2.01
Mechanical power-transmission equipment.	95.70	92.45	82.62	43.9	43.2	40.7	2.18	2.14	2.03
Mechanical stokers and industrial furnaces and ovens.....	90.95	85.70	81.41	42.9	41.2	40.3	2.12	2.08	2.02
Office and store machines and devices....	86.52	84.04	79.80	41.2	40.6	39.9	2.10	2.07	2.00
Computing machines and cash registers...	92.21	89.65	85.93	40.8	40.2	39.6	2.26	2.23	2.17
Typewriters.....	80.12	77.95	74.70	41.3	40.6	40.6	1.94	1.92	1.84
Service-industry and household machines..	84.44	83.41	79.80	40.4	40.1	40.1	2.09	2.08	1.99
Domestic laundry equipment.....	90.50	91.16	87.35	41.9	42.8	42.2	2.16	2.13	2.07
Commercial laundry, dry-cleaning, and pressing machines.....	79.04	81.70	74.59	41.6	43.0	40.1	1.90	1.90	1.86
Sewing machines.....	84.65	84.42	80.40	40.5	40.2	40.2	2.09	2.10	2.00
Refrigerators and air-conditioning units.....	83.98	81.51	79.40	39.8	39.0	39.7	2.11	2.09	2.00
Miscellaneous machinery parts.....	88.82	88.39	78.61	42.7	42.7	39.7	2.08	2.07	1.98
Fabricated pipe, fittings, and valves...	86.94	85.28	78.20	42.0	41.6	39.1	2.07	2.05	2.00
Ball and roller bearings.....	93.08	94.57	77.42	43.7	44.4	39.1	2.13	2.13	1.98
Machine shops (job and repair).....	87.76	87.54	79.54	42.6	42.7	41.0	2.06	2.05	1.94
ELECTRICAL MACHINERY.....	78.47	76.17	74.34	41.3	40.3	40.4	1.90	1.89	1.84
Electrical generating, transmission, distribution, and industrial apparatus..	83.23	78.99	78.76	41.0	39.3	40.6	2.03	2.01	1.94
Wiring devices and supplies.....	74.62	71.38	69.89	41.0	40.1	40.4	1.82	1.78	1.73
Carbon and graphite products (electrical).....	80.32	79.90	74.96	41.4	41.4	40.3	1.94	1.93	1.86
Electrical indicating, measuring, and recording instruments.....	72.73	71.78	74.89	39.1	38.8	40.7	1.86	1.85	1.84
Motors, generators, and motor-generator sets.....	86.86	85.14	84.87	40.4	39.6	41.0	2.15	2.15	2.07
Power and distribution transformers.....	88.40	87.56	79.76	42.5	42.3	40.9	2.08	2.07	1.95
Switchgear, switchboard, and industrial controls.....	(1/)	70.72	76.78	(1/)	35.9	40.2	(1/)	1.97	1.91
Electrical welding apparatus.....	96.98	94.80	83.64	44.9	44.3	41.0	2.16	2.14	2.04
Electrical appliances.....	79.00	78.20	73.73	40.1	39.9	38.2	1.97	1.96	1.93
Insulated wire and cable.....	80.97	78.75	72.39	43.3	42.8	40.9	1.87	1.84	1.77
Electrical equipment for vehicles.....	84.87	82.42	81.18	41.2	40.4	41.0	2.06	2.04	1.98
Electric lamps.....	73.04	60.72	67.77	41.5	35.3	40.1	1.76	1.72	1.69
Communication equipment.....	75.12	74.16	70.88	41.5	41.2	40.5	1.81	1.80	1.75
Radios, phonographs, television sets, and equipment.....	71.40	69.95	69.32	40.8	40.2	40.3	1.75	1.74	1.72
Radic tubes.....	69.63	69.89	66.99	41.2	41.6	40.6	1.69	1.68	1.65
Telephone, telegraph, and related equipment.....	95.87	95.21	83.43	44.8	44.7	41.1	2.14	2.13	2.03
Miscellaneous electrical products.....	77.38	77.79	69.48	41.6	41.6	39.7	1.86	1.87	1.75
Storage batteries.....	93.05	92.59	78.60	44.1	44.3	39.9	2.11	2.09	1.97
Primary batteries (dry and wet).....	61.15	61.15	58.35	39.2	39.2	38.9	1.56	1.56	1.50
X-ray and non-radio electronic tubes....	82.01	84.67	79.00	40.4	41.3	40.1	2.03	2.05	1.97

Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
TRANSPORTATION EQUIPMENT.....	\$93.71	\$93.11	\$87.26	41.1	41.2	40.4	\$2.28	\$2.26	\$2.16
Automobiles.....	96.64	96.23	90.54	41.3	41.3	40.6	2.34	2.33	2.23
Motor vehicles, bodies, parts, and accessories.....	97.47	97.06	91.35	41.3	41.3	40.6	2.36	2.35	2.25
Truck and bus bodies.....	79.39	79.00	75.83	40.3	39.7	39.7	1.97	1.99	1.91
Trailers (truck and automobile).....	87.35	86.94	79.90	42.2	41.8	41.4	2.07	2.08	1.93
Aircraft and parts.....	91.49	90.67	85.47	41.4	41.4	40.7	2.21	2.19	2.10
Aircraft.....	90.61	90.03	85.47	41.0	41.3	40.7	2.21	2.18	2.10
Aircraft engines and parts.....	91.91	89.98	84.63	41.4	40.9	40.3	2.22	2.20	2.10
Aircraft propellers and parts.....	98.34	96.78	83.37	43.9	43.4	39.7	2.24	2.23	2.10
Other aircraft parts and equipment.....	94.79	93.48	87.34	42.7	42.3	41.2	2.22	2.21	2.12
Ship and boat building and repairing.....	84.24	84.93	81.02	39.0	39.5	38.4	2.16	2.15	2.11
Shipbuilding and repairing.....	87.08	88.31	82.51	38.7	39.6	38.2	2.25	2.23	2.16
Boatbuilding and repairing.....	71.33	69.03	71.82	40.3	39.0	39.9	1.77	1.77	1.80
Railroad equipment.....	91.14	94.25	82.13	39.8	40.8	38.2	2.29	2.31	2.15
Locomotives and parts.....	95.22	100.42	83.71	41.4	43.1	39.3	2.30	2.33	2.13
Railroad and street cars.....	88.39	89.77	81.38	38.6	39.2	37.5	2.29	2.29	2.17
Other transportation equipment.....	83.89	81.60	71.23	42.8	42.5	38.5	1.96	1.92	1.85
INSTRUMENTS AND RELATED PRODUCTS.....	80.51	79.52	74.19	41.5	41.2	40.1	1.94	1.93	1.85
Laboratory, scientific, and engineering instruments.....	89.62	91.54	84.63	41.3	41.8	40.3	2.17	2.19	2.10
Mechanical measuring and controlling instruments.....	81.56	81.95	75.39	41.4	41.6	40.1	1.97	1.97	1.88
Optical instruments and lenses.....	79.35	77.57	76.78	40.9	40.4	40.2	1.94	1.92	1.91
Surgical, medical, and dental instruments.....	71.69	69.94	65.46	41.2	40.9	39.2	1.74	1.71	1.67
Ophthalmic goods.....	66.68	64.84	59.04	42.2	41.3	39.1	1.58	1.57	1.51
Photographic apparatus.....	89.24	87.34	81.20	41.7	41.2	40.6	2.14	2.12	2.00
Watches and clocks.....	73.46	71.28	67.06	41.5	40.5	40.4	1.77	1.76	1.66
MISCELLANEOUS MANUFACTURING INDUSTRIES....	69.38	68.30	65.21	41.3	40.9	40.5	1.68	1.67	1.61
Jewelry, silverware, and plated ware.....	76.30	73.96	71.71	43.6	43.0	43.2	1.75	1.72	1.66
Jewelry and findings.....	71.01	68.75	68.89	43.3	42.7	43.6	1.64	1.61	1.58
Silverware and plated ware.....	87.96	85.02	77.65	44.2	43.6	42.2	1.99	1.95	1.84
Musical instruments and parts.....	79.42	77.98	77.65	41.8	41.7	42.2	1.90	1.87	1.84
Toys and sporting goods.....	62.52	61.45	59.40	40.6	39.9	39.6	1.54	1.54	1.50
Games, toys, dolls, and children's vehicles.....	63.76	61.66	59.45	41.4	40.3	39.9	1.54	1.53	1.49
Sporting and athletic goods.....	60.21	61.54	59.58	39.1	39.2	39.2	1.54	1.57	1.52
Pens, pencils, other office supplies.....	62.99	61.45	62.58	40.9	39.9	40.9	1.54	1.54	1.53
Costume jewelry, buttons, notions.....	62.42	61.16	57.77	40.8	40.5	39.3	1.53	1.51	1.47
Fabricated plastics products.....	75.65	74.34	69.53	42.5	42.0	40.9	1.78	1.77	1.70
Other manufacturing industries.....	71.46	70.93	66.57	40.6	40.3	40.1	1.76	1.76	1.66

Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954	Oct. 1955	Sept. 1955	Oct. 1954
TRANSPORTATION AND PUBLIC UTILITIES:									
TRANSPORTATION:									
Class I railroads.....	(1/)	\$82.07	\$78.38	(1/)	42.6	40.4	(1/)	\$1.95	\$1.94
Local railways and bus lines.....	\$79.38	81.70	78.32	42.0	43.0	42.8	\$1.89	1.90	1.83
COMMUNICATION:									
Telephone.....	73.60	72.58	72.04	40.0	40.1	39.8	1.84	1.81	1.81
Switchboard operating employees 2/...	60.64	60.29	60.04	37.9	38.4	38.0	1.60	1.57	1.58
Line construction, installation, and maintenance employees 3/.....	104.60	102.80	104.13	44.7	44.5	44.5	2.34	2.31	2.34
Telegraph 4/.....	79.34	79.71	78.31	42.2	42.4	42.1	1.88	1.88	1.86
OTHER PUBLIC UTILITIES:									
Gas and electric utilities.....	89.02	87.77	86.94	41.6	41.4	42.0	2.14	2.12	2.07
Electric light and power utilities.....	90.27	89.42	87.36	41.6	41.4	41.6	2.17	2.16	2.10
Gas utilities.....	85.28	83.43	81.36	41.6	41.1	41.3	2.05	2.03	1.97
Electric light and gas utilities combined.....	90.49	89.66	89.88	41.7	41.7	42.8	2.17	2.15	2.10
WHOLESALE AND RETAIL TRADE:									
WHOLESALE TRADE.....									
	78.94	78.96	74.93	40.9	40.7	40.5	1.93	1.94	1.85
RETAIL TRADE (EXCEPT EATING AND DRINKING PLACES).....									
General merchandise stores.....	59.13	59.82	57.18	38.9	39.1	38.9	1.52	1.53	1.47
Department stores and general mail-order houses.....	42.12	42.00	40.48	35.1	35.0	34.9	1.20	1.20	1.16
Food and liquor stores.....	48.11	48.11	46.41	35.9	35.9	35.7	1.34	1.34	1.30
Automotive and accessories dealers.....	62.10	62.98	60.80	38.1	38.4	38.0	1.63	1.64	1.60
Apparel and accessories stores.....	79.72	80.96	74.70	43.8	44.0	44.2	1.82	1.84	1.69
Other retail trade:	46.90	46.77	46.95	35.0	34.9	35.3	1.34	1.34	1.33
Furniture and appliance stores.....	67.97	67.72	64.99	41.7	41.8	42.2	1.63	1.62	1.54
Lumber and hardware supply stores.....	72.04	72.38	68.85	43.4	43.6	43.3	1.66	1.66	1.59
FINANCE, INSURANCE, AND REAL ESTATE:									
Banks and trust companies.....	59.95	59.09	58.02	-	-	-	-	-	-
Security dealers and exchanges.....	98.61	96.69	97.24	-	-	-	-	-	-
Insurance carriers.....	74.06	74.03	70.90	-	-	-	-	-	-
SERVICE AND MISCELLANEOUS:									
Hotels and lodging places:									
Hotels, year-round 5/.....	41.80	41.20	40.87	41.8	41.2	41.7	1.00	1.00	.98
Personal services:									
Laundries.....	41.11	40.70	40.50	40.7	40.3	40.5	1.01	1.01	1.00
Cleaning and dyeing plants.....	48.36	48.36	47.72	40.3	40.3	40.1	1.20	1.20	1.19
Motion pictures:									
Motion-picture production and distribution.....	93.99	94.89	92.95	-	-	-	-	-	-

1/ Not available. 2/ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. During 1954 such employees made up 43 percent of the total number of nonsupervisory employees in telephone establishments reporting hours and earnings data. 3/ Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. During 1954 such employees made up 25 percent of the total number of nonsupervisory employees in telephone establishments reporting hours and earnings data. 4/ Data relate to domestic employees except messengers and those compensated entirely on a commission basis. 5/ Money payments only; additional value of board, room, uniforms, and tips, not included.

*August 1954 - Average weekly earnings shown previously as \$77.15 should have read \$71.15.

Table C-2: Gross average weekly earnings of production workers in selected industries, in current and 1947-49 dollars

Year	Manufacturing		Bituminous-coal mining		Laundries		Year and month	Manufacturing		Bituminous-coal mining		Laundries	
	Current	1947-49	Current	1947-49	Current	1947-49		Current	1947-49	Current	1947-49	Current	1947-49
Annual average:							Monthly data:						
1939.....	\$23.86	\$40.17	\$23.88	\$40.20	\$17.64	\$29.70	1954						
1940.....	25.20	42.07	24.71	41.25	17.93	29.93	Sept....	\$71.86	\$62.65	\$81.17	\$70.77	\$40.50	\$35.31
1941.....	29.58	47.03	30.86	49.06	18.69	29.71	Oct....	72.22	63.07	87.54	76.45	40.50	35.37
1942.....	36.65	52.58	35.02	50.24	20.34	29.18	Nov....	73.57	64.20	88.29	77.04	40.40	35.25
1943.....	43.14	58.30	41.62	56.24	23.08	31.19	Dec....	74.12	64.85	92.01	80.50	40.70	35.61
1944.....	46.08	61.28	51.27	68.18	25.95	34.51	1955						
1945.....	44.39	57.72	52.25	67.95	27.73	36.06	Jan....	73.97	64.72	92.01	80.50	40.40	35.35
1946.....	43.82	52.54	58.03	69.58	30.20	36.21	Feb....	74.74	65.39	94.50	82.68	40.20	35.17
1947.....	49.97	52.32	66.99	69.73	32.71	34.25	Mar....	75.11	65.71	91.88	80.38	40.60	35.52
1948.....	54.14	52.67	72.12	70.16	34.23	33.30	Apr....	74.96	65.64	93.00	81.44	40.70	35.64
1949.....	54.92	53.95	63.28	62.16	34.98	34.36	May....	76.30	66.81	93.87	82.20	41.62	36.44
1950.....	59.33	57.71	70.35	68.43	35.47	34.50	June...	76.11	66.53	98.28	85.91	40.80	35.66
1951.....	64.71	58.30	77.79	70.08	37.81	34.06	July...	76.36	66.57	95.50	83.26	41.01	35.75
1952.....	67.97	59.89	78.09	68.80	38.63	34.04	Aug....	76.33	66.66	94.50	82.53	40.40	35.28
1953.....	71.69	62.67	85.31	74.57	39.69	34.69	Sept....	77.71	67.63	96.73	84.19	40.70	35.42
1954.....	71.86	62.60	80.85	70.43	40.10	34.93	Oct....	78.50	68.32	99.86	86.91	41.11	35.78

Table C-3: Average weekly earnings, gross and net spendable, of production workers in manufacturing, in current and 1947-49 dollars

Year	Gross average weekly earnings		Net spendable average weekly earnings				Year and month	Gross average weekly earnings		Net spendable average weekly earnings			
	Amount	Index (1947-49 = 100)	Worker with no dependents		Worker with 3 dependents			Amount	Index (1947-49 = 100)	Worker with no dependents		Worker with 3 dependents	
			Current	1947-49	Current	1947-49				Current	1947-49	Current	1947-49
Annual average:							Monthly data:						
1939.....	\$23.86	45.1	\$23.58	\$39.70	\$23.62	\$39.76	1954						
1940.....	25.20	47.6	24.69	41.22	24.95	41.65	Sept....	\$71.86	135.7	\$59.55	\$51.92	\$66.78	\$58.22
1941.....	29.58	55.9	28.05	44.59	29.28	46.55	Oct....	72.22	136.4	59.84	52.26	67.07	58.58
1942.....	36.65	69.2	31.77	45.58	36.28	52.05	Nov....	73.57	138.9	60.92	53.16	68.18	59.49
1943.....	43.14	81.5	36.01	48.66	41.39	55.93	Dec....	74.12	140.0	61.36	53.68	68.63	60.04
1944.....	46.08	87.0	38.29	50.92	44.06	58.59	1955						
1945.....	44.39	83.8	36.97	48.08	42.74	55.58	Jan....	73.97	139.7	61.15	53.50	68.41	59.85
1946.....	43.82	82.8	37.72	45.23	43.20	51.80	Feb....	74.74	141.2	61.76	54.03	69.02	60.38
1947.....	49.97	94.4	42.76	44.77	48.24	50.51	Mar....	75.11	141.9	62.05	54.29	69.32	60.65
1948.....	54.14	102.2	47.43	46.14	53.17	51.72	Apr....	74.96	141.6	61.93	54.23	69.20	60.60
1949.....	54.92	103.7	48.09	47.24	53.83	52.88	May....	76.30	144.1	62.98	55.15	70.27	61.53
1950.....	59.33	112.0	51.09	49.70	57.21	55.65	June....	76.11	143.7	62.83	54.92	70.12	61.29
1951.....	64.71	122.2	54.04	48.68	61.28	55.21	July....	76.36	144.2	63.02	54.94	70.32	61.31
1952.....	67.97	128.4	55.66	49.04	63.62	56.05	Aug....	76.33	144.2	63.00	55.02	70.29	61.39
1953.....	71.69	135.4	58.54	51.17	66.58	58.20	Sept....	77.71	146.8	64.08	55.77	71.40	62.14
1954.....	71.86	135.7	59.55	51.87	66.78	58.17	Oct....	78.50	148.3	64.70	56.31	72.03	62.69

Adjusted Earnings

Table C-4: Average hourly earnings, gross and excluding overtime, and average weekly hours of production workers in manufacturing

Year and month	Manufacturing				Durable goods			Nondurable goods		
	Average hourly earnings			Average weekly hours	Average hourly earnings		Average weekly hours	Average hourly earnings		Average weekly hours
	Gross	Excluding overtime Amount	Index (1947-49 = 100)		Gross	Excluding overtime		Gross	Excluding overtime	
<u>Annual average:</u>										
1941.....	\$0.729	\$0.702	54.5	40.6	\$0.808	\$0.770	42.1	\$0.640	\$0.625	38.9
1942.....	.853	.805	62.5	42.9	.947	.881	45.1	.723	.698	40.3
1943.....	.961	.894	69.4	44.9	1.059	.976	46.6	.803	.763	42.5
1944.....	1.019	.947	73.5	45.2	1.117	1.029	46.6	.861	.814	43.1
1945.....	1.023	<u>1/.963</u>	<u>1/74.8</u>	43.4	1.111	<u>1/1.042</u>	44.1	.904	<u>1/.858</u>	42.3
1946.....	1.086	1.051	81.6	40.4	1.156	1.122	40.2	1.015	.981	40.5
1947.....	1.237	1.198	93.0	40.4	1.292	1.250	40.6	1.171	1.133	40.1
1948.....	1.350	1.310	101.7	40.1	1.410	1.366	40.5	1.278	1.241	39.6
1949.....	1.401	1.367	106.1	39.2	1.469	1.434	39.5	1.325	1.292	38.8
1950.....	1.465	1.415	109.9	40.5	1.537	1.480	41.2	1.378	1.337	39.7
1951.....	1.59	1.53	118.8	40.7	1.67	1.60	41.6	1.48	1.43	39.5
1952.....	1.67	1.61	125.0	40.7	1.77	1.70	41.5	1.54	1.49	39.6
1953.....	1.77	1.71	132.8	40.7	1.87	1.80	41.3	1.61	1.56	39.5
1954.....	1.81	1.76	136.6	39.7	1.92	1.86	40.2	1.66	1.61	39.0
1954: Sept..	1.81	1.76	136.6	39.7	1.93	1.87	40.1	1.66	1.61	39.3
Oct..	1.81	1.76	136.6	39.9	1.93	1.87	40.4	1.66	1.61	39.2
Nov..	1.83	1.77	137.4	40.2	1.94	1.88	40.8	1.67	1.62	39.5
Dec..	1.83	1.77	137.4	40.5	1.95	1.88	41.1	1.67	1.62	39.8
1955: Jan..	1.84	1.78	138.2	40.2	1.96	1.89	40.9	1.68	1.63	39.3
Feb..	1.85	1.78	138.2	40.4	1.96	1.89	41.1	1.68	1.63	39.5
Mar..	1.85	1.79	139.0	40.6	1.97	1.89	41.4	1.68	1.63	39.7
Apr..	1.86	1.80	139.8	40.3	1.98	1.90	41.2	1.69	1.65	39.0
May..	1.87	1.80	139.8	40.8	1.99	1.91	41.6	1.70	1.65	39.6
June..	1.87	1.80	139.8	40.7	1.99	1.91	41.2	1.70	1.65	39.9
July..	1.89	1.82	141.3	40.4	2.02	1.94	40.9	1.71	1.66	39.7
Aug..	1.88	1.81	140.5	40.6	2.01	1.94	41.1	1.70	1.65	39.9
Sept..	1.90	1.83	142.1	40.9	2.04	1.96	41.4	1.72	1.66	40.1
Oct..	1.91	1.84	142.9	41.1	2.04	1.96	41.7	1.72	1.67	40.3

1/ 11-month average; August 1945 excluded because of VJ-day holiday period.

**Table C-5. Indexes of aggregate weekly man-hours
in industrial and construction activity ^{1/}**

(1947-49 = 100)

Year and month	TOTAL ^{2/}	Mining division	Contract construction division	Manufacturing division	Total: Durable goods	Total: Nondurable goods	Manufacturing - Durable goods	
							Ordnance and accessories	Lumber and wood products (except furniture)
1947: Average..	103.6	105.1	94.6	104.8	106.1	103.1	101.2	107.0
1948: Average..	103.4	105.4	103.4	103.2	104.1	102.1	107.6	102.7
1949: Average..	93.0	89.5	102.0	92.0	89.7	94.7	91.1	90.3
1950: Average..	101.5	91.0	109.1	101.1	102.7	99.2	107.4	99.6
1951: Average..	109.5	95.0	124.1	108.4	115.7	99.7	290.4	102.7
1952: Average..	109.7	90.9	127.5	108.4	116.6	98.6	625.0	96.9
1953: Average..	113.3	87.5	123.1	113.6	125.2	99.7	798.5	93.0
1954: Average..	101.5	76.6	115.9	101.1	107.5	93.5	502.2	85.0
1954: Sept.....	102.3	73.5	123.8	101.2	103.9	97.9	441.8	89.2
1954: Oct.....	103.0	75.8	123.5	101.9	106.6	96.3	437.9	94.0
1954: Nov.....	103.5	76.5	118.2	103.2	109.4	95.8	431.7	92.2
1954: Dec.....	102.9	77.4	108.9	103.8	110.5	95.8	429.0	88.4
1955: Jan.....	99.9	76.8	96.0	102.0	109.4	93.2	415.6	84.2
1955: Feb.....	100.8	76.4	92.4	103.6	111.5	94.2	411.6	85.5
1955: Mar.....	103.0	76.0	100.6	105.2	113.6	95.2	410.8	84.6
1955: Apr.....	103.1	75.7	106.1	104.5	114.3	92.8	400.8	86.2
1955: May.....	106.1	77.7	117.2	106.4	116.7	94.0	399.1	91.7
1955: June.....	108.0	80.4	122.3	107.8	117.2	96.6	395.2	99.5
1955: July.....	107.2	78.6	128.7	106.0	114.2	96.2	386.5	95.6
1955: Aug.....	109.8	78.7	129.3	109.1	115.8	101.2	383.9	99.3
1955: Sept.....	111.5	78.3	132.3	110.7	117.7	102.4	383.9	97.5
1955: Oct.....	111.6	78.8	125.2	111.8	119.9	102.2	371.9	97.1
Manufacturing - Durable goods - Continued								
Year and month	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries	Fabricated metal products	Machinery (except electrical)	Electrical machinery	Transportation equipment	
1947: Average..	103.3	102.8	105.4	106.7	108.3	111.1	102.9	
1948: Average..	104.6	103.9	106.6	103.8	106.6	102.9	100.9	
1949: Average..	92.1	93.3	88.0	89.4	85.1	86.0	96.3	
1950: Average..	111.5	102.9	104.1	106.5	94.0	107.6	106.1	
1951: Average..	105.9	111.4	115.7	115.8	116.9	123.7	124.5	
1952: Average..	106.2	104.3	104.6	112.1	118.4	131.2	138.0	
1953: Average..	108.5	106.6	113.9	123.4	119.0	147.1	158.6	
1954: Average..	96.5	99.0	94.5	108.3	100.6	123.4	135.0	
1954: Sept.....	100.7	100.7	91.5	106.2	95.4	122.9	118.1	
1954: Oct.....	102.6	102.2	92.8	107.9	94.8	125.9	125.9	
1954: Nov.....	102.0	102.1	96.2	110.6	95.1	128.7	139.2	
1954: Dec.....	101.7	101.6	98.7	111.5	97.5	127.7	146.0	
1955: Jan.....	98.0	98.9	100.7	109.1	97.6	125.7	147.1	
1955: Feb.....	101.3	99.8	103.2	110.6	99.6	126.6	150.9	
1955: Mar.....	102.0	103.3	106.5	113.2	102.2	127.0	154.4	
1955: Apr.....	99.2	105.1	109.0	113.6	104.4	127.3	153.7	
1955: May.....	100.1	108.0	112.4	116.0	106.6	128.6	155.2	
1955: June.....	103.3	110.6	114.0	116.2	107.3	129.1	145.8	
1955: July.....	100.0	107.6	109.7	113.2	103.7	124.3	147.9	
1955: Aug.....	108.6	112.1	110.9	116.0	103.6	129.5	141.6	
1955: Sept.....	111.9	113.4	116.8	118.7	104.4	134.5	139.6	
1955: Oct.....	113.5	113.7	116.6	121.0	109.2	142.3	140.7	

See footnotes at end of table.

Man Hour Indexes

**Table C-5. Indexes of aggregate weekly man-hours
in industrial and construction activity ^{1/} Continued**

(1947-49 = 100)

Year and month	Manufacturing - Durable goods-Con.		Manufacturing - Nondurable goods			
	Instruments and related products	Miscellaneous manufacturing industries	Food and kindred products	Tobacco manufactures	Textile-mill products	Apparel and other finished textile products
1947: Average..	107.5	104.6	103.9	105.9	104.5	99.6
1948: Average..	103.0	104.2	100.0	101.0	105.7	101.6
1949: Average..	89.5	91.2	96.1	93.1	89.9	98.8
1950: Average..	97.4	101.3	95.2	89.2	100.1	103.0
1951: Average..	117.5	103.1	95.9	91.2	96.0	101.9
1952: Average..	122.7	100.5	94.7	92.2	90.7	104.5
1953: Average..	129.9	109.5	93.7	90.1	89.8	106.9
1954: Average..	114.9	98.0	90.3	87.8	78.7	99.0
1954: Sept....	111.9	100.3	105.2	107.9	79.5	101.1
Oct.....	112.3	103.2	96.7	111.0	80.9	100.3
Nov.....	112.9	102.4	91.7	94.0	82.4	101.8
Dec.....	113.7	98.3	88.0	95.4	83.2	103.6
1955: Jan.....	112.2	93.9	82.3	85.4	81.4	102.4
Feb.....	112.9	97.4	79.8	81.4	83.0	107.6
Mar.....	114.2	99.3	80.4	77.2	83.0	109.5
Apr.....	113.1	97.7	81.6	72.0	80.2	100.1
May.....	110.4	99.4	85.1	76.9	80.4	100.5
June....	115.5	101.1	90.4	79.7	81.7	102.9
July....	113.1	95.6	96.4	75.2	79.6	98.1
Aug.....	114.9	101.5	102.8	102.6	83.6	108.1
Sept....	118.3	106.1	103.8	114.0	84.2	109.2
Oct.....	121.1	108.9	98.9	115.1	85.0	111.3
	Manufacturing - Nondurable goods - Continued					
Year and month	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Products of petroleum and coal	Rubber products	Leather and leather products
1947: Average..	102.6	101.4	103.3	99.0	109.8	105.8
1948: Average..	102.3	100.5	102.6	102.7	102.0	100.8
1949: Average..	95.1	98.0	94.1	98.3	88.1	93.4
1950: Average..	105.4	99.5	97.2	97.3	101.9	97.8
1951: Average..	109.9	101.6	105.5	102.1	108.5	92.1
1952: Average..	105.9	102.7	104.7	98.2	108.4	96.9
1953: Average..	111.6	105.4	108.1	100.9	111.6	96.5
1954: Average..	109.2	104.4	103.5	95.7	97.0	89.9
1954: Sept....	111.1	105.6	103.3	96.7	96.9	88.3
Oct.....	111.4	105.4	104.1	94.0	102.3	86.8
Nov.....	111.7	105.4	104.3	93.8	104.3	90.6
Dec.....	110.7	107.0	104.7	92.2	108.5	93.3
1955: Jan.....	108.7	103.3	103.9	91.2	108.3	94.0
Feb.....	109.3	104.0	104.4	90.3	108.6	98.6
Mar.....	110.5	105.7	107.4	92.7	109.1	98.4
Apr.....	110.1	105.1	107.7	93.7	110.9	90.9
May.....	111.7	105.5	107.6	95.7	114.0	89.6
June.....	113.8	106.7	106.9	96.1	116.4	95.5
July....	113.5	106.0	105.7	97.0	112.0	94.8
Aug.....	116.4	106.8	105.9	95.8	112.4	99.1
Sept....	118.2	110.2	108.6	95.3	116.3	94.9
Oct.....	118.9	110.8	109.3	93.8	119.6	95.4

^{1/} Aggregate man-hours are for the weekly pay period ending nearest the 15th of the month and do not represent totals for the month. For mining and manufacturing industries, data refer to production and related workers. For contract construction, the data relate to construction workers.

^{2/} Includes only the divisions shown.

Table C-6: Hours and gross earnings of production workers in manufacturing industries for selected States and areas - Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1955		1954	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
ALABAMA.....	\$62.88	\$63.29	\$57.60	41.1	41.1	40.0	\$1.53	\$1.54	\$1.44
Birmingham	81.56	83.02	72.07	41.4	41.1	39.6	1.97	2.02	1.82
Mobile	70.35	73.03	67.37	40.2	40.8	40.1	1.75	1.79	1.68
ARIZONA.....	87.74	86.92	82.78	42.8	42.4	41.6	2.05	2.05	1.99
Phoenix	85.28	84.04	82.81	41.0	40.6	41.2	2.08	2.07	2.01
ARKANSAS.....	54.73	54.99	52.20	42.1	42.3	41.1	1.30	1.30	1.27
Little Rock- N. Little Rock	52.83	53.12	50.55	41.6	41.5	41.1	1.27	1.28	1.23
CALIFORNIA.....	86.50	86.25	81.98	40.8	40.9	40.2	2.12	2.11	2.04
Fresno	76.56	73.50	71.33	39.8	38.0	38.8	1.92	1.94	1.84
Los Angeles-Long Beach*	87.37	86.49	81.51	41.3	40.9	40.3	2.12	2.11	2.02
Sacramento	85.71	96.67	81.11	41.5	45.9	40.4	2.07	2.10	2.01
San Bernardino- Riverside-Ontario	72.43	84.00	80.47	36.2	40.7	40.4	2.00	2.06	1.99
San Diego	87.49	85.68	81.37	40.9	40.0	39.5	2.14	2.14	2.06
San Francisco-Oakland	88.19	89.71	83.85	39.9	40.7	39.4	2.21	2.20	2.13
San Jose	82.48	82.20	76.97	41.9	43.0	40.4	1.97	1.91	1.91
Stockton	81.97	78.32	76.38	42.2	41.3	40.3	1.94	1.90	1.89
COLORADO.....	76.04	77.74	70.23	39.4	40.7	38.8	1.93	1.91	1.81
Denver	(1/)	79.73	74.15	(1/)	41.1	40.3	(1/)	1.94	1.84
CONNECTICUT.....	(1/)	79.00	73.57	(1/)	41.8	40.4	(1/)	1.89	1.82
Bridgeport	(1/)	82.32	75.79	(1/)	42.0	40.1	(1/)	1.96	1.89
Hartford	(1/)	81.99	77.23	(1/)	41.9	41.3	(1/)	1.96	1.87
New Britain	(1/)	80.51	69.60	(1/)	42.6	39.1	(1/)	1.89	1.78
New Haven	(1/)	72.85	70.30	(1/)	40.7	40.4	(1/)	1.79	1.74
Stamford	(1/)	82.01	82.81	(1/)	40.2	41.2	(1/)	2.04	2.01
Waterbury	(1/)	81.89	74.44	(1/)	43.1	40.9	(1/)	1.90	1.82
DELAWARE.....	76.11	77.42	70.84	40.9	40.9	39.8	1.86	1.89	1.78
Wilmington	90.41	90.34	84.22	40.8	40.6	39.8	2.22	2.23	2.12
FLORIDA.....	59.18	57.92	56.30	41.1	40.5	40.8	1.44	1.43	1.38
Tampa-St. Petersburg	58.06	57.08	56.98	40.6	40.2	40.7	1.43	1.42	1.40
GEORGIA.....	55.76	55.22	50.93	41.0	40.6	40.1	1.36	1.36	1.27
Atlanta	69.53	68.61	63.04	40.9	40.6	39.9	1.70	1.69	1.58
Savannah	73.70	72.76	66.82	43.1	42.3	41.5	1.71	1.72	1.61
IDAHO.....	79.19	84.97	79.46	40.2	42.7	41.6	1.97	1.99	1.91
ILLINOIS.....	85.34	84.35	76.76	41.9	41.7	40.0	2.04	2.02	1.92
Chicago	89.46	89.24	78.36	42.1	42.0	39.2	2.12	2.12	2.00
INDIANA 2/.....	86.29	85.27	77.28	41.6	41.8	40.0	2.07	2.04	1.93
IOWA.....	77.56	78.43	73.04	41.4	41.7	41.2	1.87	1.88	1.77
Des Moines	81.03	84.03	77.73	39.4	40.4	39.7	2.06	2.08	1.96
KANSAS.....	80.09	80.95	80.35	41.2	41.6	42.1	1.94	1.95	1.91
Topeka	80.27	75.73	78.79	42.9	40.8	42.8	1.87	1.86	1.84
Wichita	83.25	84.42	83.06	40.7	41.1	41.8	2.05	2.05	1.99
KENTUCKY.....	74.47	74.01	68.07	41.6	41.4	40.4	1.79	1.79	1.68
Louisville	81.73	80.77	(1/)	41.7	41.5	(1/)	1.96	1.95	(1/)

See footnotes at end of table.

State and Area Hours and Earnings

Table C-6: Hours and gross earnings of production workers in manufacturing industries for selected States and areas - Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1955		1954	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
LOUISIANA.....	\$70.14	\$70.31	\$64.27	42.0	42.1	41.2	\$1.67	\$1.67	\$1.56
Baton Rouge	96.17	97.92	90.76	41.1	40.8	40.7	2.34	2.40	2.23
New Orleans	68.34	68.91	66.73	40.2	40.3	40.2	1.70	1.71	1.66
MAINE.....	59.42	59.18	56.34	40.5	40.6	39.2	1.47	1.46	1.44
Portland	65.72	65.13	61.56	42.2	42.2	40.3	1.56	1.54	1.53
MARYLAND.....	76.13	76.84	68.48	41.3	41.6	39.7	1.84	1.85	1.73
Baltimore	81.02	81.71	73.07	41.4	41.6	39.8	1.96	1.97	1.83
MASSACHUSETTS.....	70.64	70.52	65.13	40.6	41.0	39.0	1.74	1.72	1.67
Boston	72.98	73.08	68.29	40.1	40.6	38.8	1.82	1.80	1.76
Fall River	56.12	55.94	53.93	38.7	39.4	38.8	1.45	1.42	1.39
New Bedford	59.74	59.75	57.27	39.3	40.1	38.7	1.52	1.49	1.48
Springfield-Holyoke	77.79	77.70	70.80	41.6	42.0	40.0	1.87	1.85	1.77
Worcester	83.89	81.18	71.49	42.8	42.5	39.5	1.96	1.91	1.81
MICHIGAN.....	94.14	94.10	89.72	41.5	41.4	41.1	2.28	2.27	2.18
Detroit	99.88	97.31	94.96	41.6	40.7	41.0	2.38	2.39	2.32
Flint	96.11	104.74	92.56	39.1	43.3	41.1	2.46	2.42	2.25
Grand Rapids	86.24	86.02	82.01	41.7	41.8	41.4	2.07	2.06	1.98
Lansing	102.87	99.83	88.20	42.3	42.3	40.0	2.43	2.36	2.21
Muskegon	87.87	87.33	83.17	40.4	40.6	39.7	2.18	2.15	2.10
Saginaw	93.73	90.62	88.54	42.2	41.4	42.2	2.22	2.19	2.10
MINNESOTA.....	81.70	80.25	74.73	41.9	41.8	40.7	1.95	1.92	1.84
Duluth	80.72	82.73	75.97	39.8	40.1	38.2	2.03	2.06	1.99
Minneapolis-St. Paul	83.37	83.76	78.29	41.4	41.8	40.7	2.01	2.00	1.92
MISSISSIPPI.....	(1/)	50.94	48.38	(1/)	42.1	41.0	(1/)	1.21	1.18
Jackson	(1/)	57.68	52.50	(1/)	41.8	42.0	(1/)	1.38	1.25
MISSOURI.....	72.75	71.90	67.75	40.3	39.9	39.1	1.81	1.80	1.74
Kansas City	(1/)	81.42	76.32	(1/)	40.7	40.2	(1/)	1.98	1.91
St. Louis	79.95	79.76	74.32	40.2	40.3	39.5	1.99	1.98	1.88
MONTANA.....	89.48	90.65	82.25	42.6	42.4	41.3	2.10	2.14	1.99
NEBRASKA.....	(1/)	74.27	68.46	(1/)	43.1	41.8	(1/)	1.72	1.64
Omaha	(1/)	79.96	71.67	(1/)	43.8	41.8	(1/)	1.82	1.72
NEVADA.....	88.12	91.57	86.76	37.5	39.3	39.8	2.35	2.33	2.18
NEW HAMPSHIRE.....	60.35	60.09	57.13	40.5	40.6	39.4	1.49	1.48	1.45
Manchester	54.67	55.30	52.77	37.7	38.4	36.9	1.45	1.44	1.43
NEW JERSEY.....	80.97	79.93	74.70	41.1	40.8	39.8	1.97	1.96	1.88
Newark-Jersey City	81.99	80.86	76.24	41.1	40.9	40.0	1.99	1.98	1.91
Paterson	80.95	79.97	75.85	41.6	41.5	40.8	1.95	1.93	1.86
Perth Amboy	83.50	83.22	75.74	41.4	41.2	39.8	2.02	2.02	1.90
Trenton	80.97	79.53	73.85	41.5	41.1	40.2	1.95	1.93	1.84
NEW MEXICO.....	83.13	83.85	3/81.36	42.2	40.9	3/41.3	1.97	2.05	3/1.97
Albuquerque	77.52	78.36	76.67	40.8	40.6	41.0	1.90	1.93	1.87
NEW YORK.....	76.85	76.05	72.06	40.0	39.7	39.0	1.92	1.92	1.85
Albany-Schenectady-Troy	84.55	84.93	77.39	41.2	41.2	40.0	2.05	2.06	1.94
Binghamton	70.94	70.73	65.86	39.5	39.4	37.5	1.79	1.79	1.76
Buffalo	91.78	90.07	84.26	41.5	41.0	40.5	2.21	2.20	2.08
Elmira	77.87	77.41	75.38	40.9	41.0	40.8	1.90	1.89	1.85

See footnotes at end of table.

Table C-6: Hours and gross earnings of production workers in manufacturing industries for selected States and areas - Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1955		1954	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
NEW YORK - Continued									
Nassau and Suffolk Counties	\$84.83	\$84.44	\$86.83	40.6	40.5	42.0	\$2.09	\$2.09	\$2.07
New York City	73.36	72.06	68.96	38.7	38.1	37.5	1.90	1.89	1.84
Rochester	82.53	82.44	76.84	40.9	41.0	40.0	2.02	2.01	1.92
Syracuse	83.40	82.76	77.01	42.2	42.2	40.9	1.98	1.96	1.89
Utica-Rome	76.56	74.54	70.27	41.8	41.2	40.0	1.83	1.81	1.76
Westchester County	72.61	76.13	70.64	40.1	40.7	39.3	1.81	1.87	1.80
NORTH CAROLINA.....	53.54	52.35	49.75	41.5	40.9	39.8	1.29	1.28	1.25
Charlotte	57.54	57.40	53.84	42.0	41.9	41.1	1.37	1.37	1.31
Greensboro-High Point	52.53	51.99	50.44	39.2	38.8	38.8	1.34	1.34	1.30
NORTH DAKOTA.....	77.89	72.32	70.96	47.0	44.6	45.9	1.66	1.62	1.55
Fargo	81.14	79.93	76.35	46.0	46.1	44.7	1.76	1.73	1.71
OHIO.....	89.24	88.61	80.54	41.4	41.3	40.1	2.16	2.15	2.01
Akron	90.86	90.63	(1/)	39.4	39.5	(1/)	2.31	2.29	(1/)
Cincinnati	82.47	83.53	77.07	41.6	42.1	41.0	1.98	1.98	1.88
Cleveland	94.33	92.23	2.65	42.5	41.7	40.0	2.22	2.21	2.07
Dayton	95.44	94.99	(1/)	41.6	41.6	(1/)	2.29	2.28	(1/)
OKLAHOMA.....	75.24	75.89	71.69	41.8	41.7	41.2	1.80	1.82	1.74
Oklahoma City	71.06	72.16	68.53	42.3	42.7	42.3	1.68	1.69	1.62
Tulsa	82.35	83.58	77.71	41.8	42.0	40.9	1.97	1.99	1.90
OREGON.....	87.04	86.30	85.42	38.7	38.1	39.2	2.25	2.27	2.18
Portland	83.39	83.09	78.66	39.3	38.9	38.9	2.12	2.14	2.02
PENNSYLVANIA.....	79.19	79.24	70.52	40.3	40.2	38.5	1.96	1.97	1.83
Allentown-Bethlehem-Easton	76.29	75.82	65.20	40.3	39.8	37.3	1.89	1.91	1.75
Erie	82.81	83.06	75.77	42.4	42.4	41.0	1.95	1.96	1.85
Harrisburg	69.81	68.55	58.08	40.4	39.9	36.3	1.73	1.72	1.60
Lancaster	68.47	68.27	64.07	41.6	41.4	40.6	1.65	1.65	1.58
Philadelphia	80.95	80.46	75.33	40.8	40.8	39.5	1.98	1.97	1.91
Pittsburgh	93.70	94.64	80.47	40.9	41.4	38.3	2.29	2.29	2.10
Reading	71.74	67.80	62.23	40.9	38.9	37.4	1.75	1.74	1.66
Scranton	57.61	57.01	54.61	39.3	38.6	38.0	1.47	1.48	1.44
Wilkes-Barre-Hazleton	51.98	52.01	50.19	37.8	37.2	36.5	1.38	1.40	1.38
York	67.40	64.12	62.30	41.3	39.8	40.3	1.63	1.61	1.55
RHODE ISLAND.....	62.98	63.00	59.83	39.3	40.3	38.6	1.60	1.56	1.55
Providence	64.64	64.37	61.35	40.4	41.0	40.1	1.60	1.57	1.53
SOUTH CAROLINA.....	55.06	55.06	50.93	41.4	41.4	40.1	1.33	1.33	1.27
Charleston	57.20	60.88	52.88	40.0	41.7	38.6	1.43	1.46	1.37
SOUTH DAKOTA.....	77.15	78.15	74.56	46.9	47.7	48.0	1.64	1.64	1.55
Sioux Falls	89.18	90.15	83.95	50.7	51.2	51.3	1.76	1.76	1.64
TENNESSEE.....	61.24	60.53	58.18	41.1	40.9	40.4	1.49	1.48	1.44
Chattanooga	64.27	62.93	59.90	41.2	40.6	40.2	1.56	1.55	1.49
Knoxville	69.55	70.41	67.94	40.2	40.7	39.5	1.73	1.73	1.72
Memphis	69.60	63.86	66.53	42.7	41.2	43.2	1.63	1.55	1.54
Nashville	63.29	63.19	59.79	41.1	41.3	40.4	1.54	1.53	1.48
TEXAS.....	77.59	78.20	72.04	42.4	42.5	41.4	1.83	1.84	1.74

See footnotes at end of table.

State and Area Hours and Earnings

Table C-6: Hours and gross earnings of production workers in manufacturing industries for selected States and areas - Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1955		1954	1955		1954	1955		1954
	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.	Oct.	Sept.	Oct.
UTAH.....	\$77.60	\$80.56	\$69.52	38.8	41.1	38.2	\$2.00	\$1.96	\$1.82
Salt Lake City	78.57	80.14	72.94	40.5	41.1	40.3	1.94	1.95	1.81
VERMONT.....	65.33	65.83	59.44	43.0	43.1	40.9	1.52	1.53	1.46
Burlington	58.45	59.24	59.98	40.7	41.1	39.9	1.44	1.44	1.50
Springfield	80.86	81.58	67.48	44.1	44.5	39.5	1.83	1.83	1.71
VIRGINIA.....	59.47	59.71	56.42	41.3	40.9	40.3	1.44	1.46	1.40
Norfolk-Portsmouth	67.16	66.74	61.24	41.2	41.2	41.1	1.63	1.62	1.49
Richmond	65.19	64.87	60.25	41.0	40.8	39.9	1.59	1.59	1.51
WASHINGTON.....	85.25	85.41	82.43	39.3	39.3	39.5	2.17	2.18	2.09
Seattle	83.36	83.00	79.53	38.4	38.4	38.6	2.17	2.16	2.06
Spokane	88.90	88.25	82.63	40.1	39.6	39.8	2.22	2.23	2.08
Tacoma	83.40	83.44	81.59	39.6	39.8	40.1	2.11	2.10	2.03
WEST VIRGINIA.....	77.38	77.61	71.13	40.3	39.8	39.3	1.92	1.95	1.81
Charleston	94.13	93.60	87.86	40.4	40.0	39.4	2.33	2.34	2.23
WISCONSIN.....	82.81	81.42	75.13	42.3	42.0	40.8	1.96	1.94	1.84
Kenosha	83.87	94.20	80.58	40.0	43.4	40.2	2.10	2.17	2.01
La Crosse	80.65	80.77	76.11	40.1	40.1	40.1	2.01	2.01	1.90
Madison	88.74	84.43	80.36	41.1	39.9	40.6	2.16	2.12	1.98
Milwaukee	90.82	90.12	81.26	41.9	41.7	39.9	2.17	2.16	2.04
Racine	86.35	84.46	79.74	41.6	41.0	40.2	2.08	2.06	1.98
WYOMING.....	77.40	84.46	81.20	38.7	41.0	40.2	2.00	2.06	2.02
Casper	98.65	103.49	95.18	41.8	41.9	40.5	2.36	2.47	2.35

1/ Not available.

2/ Revised series; not strictly comparable with previously published data.

3/ Not comparable with current data shown.

* Change in title only. Area definition not affected.

Explanatory Notes

INTRODUCTION

The statistics for nonfarm industries presented in this monthly report are part of the broad program of the Bureau of Labor Statistics to provide timely, comprehensive, accurate, and detailed information for the use of businessmen, government officials, legislators, labor unions, research workers, and the general public. The statistics are an integral part of the Federal statistical system, and are considered basic indicators of the state of the Nation's economy. They are widely used in following and interpreting business developments and in making decisions in such fields as labor-management negotiations, marketing, personnel, plant location, and government policy. In addition, Government agencies use the data in this report to compile official indexes of production, labor productivity, and national income.

ESTABLISHMENT REPORTS:

a. Collection

The employment statistics program, which is based on establishment payroll reports, provides current data for both full- and part-time workers on payrolls of nonagricultural establishments (see glossary for definition, p. 7-E) during a specified period each month. The BLS uses two "shuttle" schedules for this program, the BLS Form 790 (for employment, payroll, and man-hours data) and the BLS Form 1219 (for labor turnover data). The shuttle schedule, used by BLS for more than 25 years, is designed to assist firms to report consistently, accurately, and with a minimum of cost. The questionnaire provides space for the establishment to report for each month of the current calendar year; in this way, the employer uses the same schedule for the entire year.

Under a cooperative arrangement with the BLS, State agencies mail the BLS 790 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 data to the BLS Division of Manpower and Employment Statistics for use in preparing the national series.

The BLS 1219 schedules are mailed by BLS to the establishments which return them directly to the BLS Washington office for use in preparing turnover rates on a national basis.

b. Industrial Classification

Establishments 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. For manufacturing establishments, a product supplement to the monthly 790 report is used. The supplement provides for reporting the percentage of total sales represented by each pro-

duct. Information for nonmanufacturing establishments is collected on the 790 form itself. In the case of an establishment making more than one product or engaging in more than one activity, the entire employment of the unit is included under the industry indicated by the most important product or activity. The titles and descriptions of industries presented in the Standard Industrial Classification Manual, (U. S. Bureau of the Budget, Washington, D. C.) are used for classifying reports from manufacturing and government establishments; the 1942 Industrial Classification Code, (U. S. Social Security Board) for reports from all other establishments.

c. Coverage

Monthly reports on employment and, for most industries, payroll and man-hours are obtained from approximately 155,000 establishments. (See table below.) The table also 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 ^{1/}

Division or industry	Number of establishments in sample	Employees	
		Number in sample	Percent of total
Mining.....	3,300	400,000	50
Contract construction..	19,700	783,000	28
Manufacturing.....	44,100	10,602,000	65
Transportation and public utilities:			
Interstate railroads. (ICG).....	—	1,037,000	95
Other transportation and public utilities.	13,600	1,430,000	51
Wholesale and retail trade.....	60,300	1,760,000	17
Finance, insurance, and real estate.....	10,600	517,000	25
Service and miscellaneous:			
Hotels and lodging places.....	1,300	145,000	31
Personal services:			
Laundries and cleaning and dyeing plants.....	2,300	99,000	23
Government:			
Federal (Civil Service Commission).....	—	2,139,000	100
State and local.....	4,100	3,223,000	69

^{1/} Some firms do not report payroll and man-hour information. Therefore, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

Labor turnover reports are received from approximately 10,000 cooperating establishments in the manufacturing, mining, and communication industries (see table below). The definition of manufacturing used in the turnover series is not as extensive as in the BLS series on employment and hours and earnings because of the exclusion of the following major industries from the labor turnover sample: printing, publishing, and allied industries (since April 1943); canning and preserving fruits, vegetables, and sea foods; women's and misses' outerwear; and fertilizer.

Approximate size and coverage of
BLS labor turnover sample

Group and industry	Number of establishments in sample	Employees	
		Number in sample	Percent of total
Manufacturing.....	9,800	5,400,000	38
Durable goods.....	6,200	3,800,000	42
Nondurable goods....	3,600	1,600,000	32
Metal mining.....	130	44,000	47
Coal mining:			
Anthracite.....	25	9,000	21
Bituminous.....	200	75,000	36
Communication:			
Telephone.....	(1/)	600,000	87
Telegraph.....	(1/)	28,000	68

1/ Does not apply.

DEFINITIONS AND ESTIMATING

METHODS:

A. EMPLOYMENT

Definition

Employment data for all except Federal Government establishments refer to persons who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. For Federal Government establishments current data generally refer to persons who worked on, or received pay for, the last day of the month.

Persons on an establishment payroll who are on paid sick leave, paid holiday, or paid vacation, or who work during a part of the specified pay period and are unemployed or on strike during the other part of the period are counted as employed. Persons are not considered employed who are laid off or are on leave without pay, who are on strike for the entire period, or who are hired but do not report to work during the period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households are also excluded. Government employment covers only civilian employees; Federal military personnel are shown separately, but their number is excluded from total nonagricultural employment.

With respect to employment in educational institutions (private and governmental), BLS considers regular full-time teachers to be employed during the summer vacation period whether or not they are specifically paid in those months.

Benchmark Data

Employment estimates are periodically compared with complete counts of employment in the various nonagri-

cultural industries, and appropriate adjustments made as indicated by the total counts or benchmarks. The comparison made for the first 3 months of 1954 resulted in changes amounting to less than 0.2 percent of all nonagricultural employment. Among the industry divisions changes ranged from 0.2 percent for finance, insurance, and real estate to 3.1 percent in contract construction. Manufacturing industries as a whole were changed by 0.3 percent. Within manufacturing, 57 of the 132 individual industries required no adjustment because the estimate and benchmark differed by less than 1.0 percent or less than 500 and 59 were adjusted by 1.0 - 5.0 percent. The most significant cause of differences between the benchmark and estimate for these individual industries was the change in industrial classification of individual firms which cannot be reflected in BLS estimates until they are adjusted to new benchmarks. During 1953 more than 250,000 employees were in establishments whose industry classification changed. Other causes of differences were sampling and response errors.

The basic sources of benchmark information are the quarterly tabulations of employment data, by industry, compiled by State agencies from reports of establishments covered under State unemployment insurance laws. Supplementary tabulations prepared by the U. S. Bureau of Old Age and Survivors Insurance are used for the group of establishments exempt from State unemployment insurance laws because of their small size. Benchmarks for industries wholly or partly excluded from the unemployment insurance laws are derived from a variety of other sources.

The BLS estimates which are prepared for the benchmark quarter are compared with the new benchmark levels, industry by industry. Where revisions are necessary, the monthly estimates are adjusted between the new benchmark and the preceding one. Following revision for these intermediate periods, the industry data from the most recent benchmark are projected to the current month by use of the sample trends. Under this procedure, the benchmark is used to establish the level of employment while the sample is used to measure the month-to-month changes in the level.

Estimating Method

The estimating procedure for industries for which data on both "all employees" and "production and related workers" are published (manufacturing and selected mining industries) is outlined below; the first step under this method is also used for industries for which only figures on "all employees" are published.

The first step is to compute total employment (all employees) in the industry for the month following the benchmark period. The all-employee total for the last benchmark month (e.g., March) is multiplied by the percent change of total employment over the month for the group of establishments reporting for both March and April. Thus, if firms in the BLS sample for an industry report 30,000 employees in March and 31,200 in April, April employment is 104 percent (31,200 divided by 30,000) of March employment. If the all-employee benchmark in March is 40,000, the all-employee total in April would be 104 percent of 40,000 or 41,600.

The second step is to compute the production-worker total for the industry. The all-employee total for the month is multiplied by the ratio of production

workers to all employees. This ratio is computed from establishment reports in the monthly sample. Thus, if these firms in April report 24,960 production workers and a total of 31,200 employees, the ratio of production workers to all employees would be .80 (24,960 divided by 31,200). The production-worker total in April would be 33,280 (41,600 multiplied by .80).

Figures for subsequent months are computed by carrying forward the totals for the previous month according to the method described above.

The number of women employees in manufacturing, published quarterly, is computed by multiplying the all-employee estimate for the industry by the ratio of women to all employees as reported in the industry sample.

Employment Adjusted for Seasonal Variation

Employment series for many industries reflect a regularly recurring seasonal movement which can be measured on the basis of past experience. By eliminating that part of the change in employment which can be ascribed to usual seasonal variation, it is possible to clarify the cyclical and other nonseasonal movements in the series. Adjusted employment aggregates are shown and also indexes (1947-49 = 100) derived from these aggregates. The indexes have the additional advantage of comparing the current seasonally adjusted employment level with average employment in the base period.

Comparability with Other Employment Estimates

Employment data published by other government and private agencies may differ from BLS employment statistics because of differences in definition, sources of information, methods of collection, classification, and estimation. BLS monthly figures are not directly comparable, for example, with the estimates of the Census Monthly Report on the Labor Force (MRLF). Census data are obtained by personal interviews with individual members of a small sample of households and are designed to provide information on the work status of the whole population, classified by their demographic characteristics. The BLS, on the other hand, obtains data by mail questionnaire which are based on the payroll records of business units, and prepares detailed statistics on the industrial and geographic distribution of employment and on hours of work and earnings.

Since BLS employment figures are based on establishment payroll records, persons who worked in more than one establishment during the reporting period will be counted more than once in the BLS series. By definition, proprietors, self-employed persons, domestic servants, and unpaid family workers are excluded from the BLS but not the MRLF series.

Employment estimates derived by the Bureau of the Census from its censuses and/or annual sample surveys of manufacturing establishments also differ from BLS employment statistics. Among the important reasons for lack of comparability are differences in industries covered, in the business units considered parts of an establishment, and in the industrial classification of establishments. Similar differences exist between the BLS data and those in County Business Patterns published jointly by the U.S. Department of Commerce and the U.S. Department of Health, Education and Welfare.

B. LABOR TURNOVER

Definition

"Labor turnover," as used in the BLS program, refers to the gross movement of wage and salary workers into and out of employment status with respect to individual firms during a calendar month. This movement is subdivided 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. All employees, including executive, office, sales, other salaried personnel, and production workers are covered by both the turnover movements and the employment base used in computing labor turnover rates. All groups of employees--full- and part-time, permanent, and temporary--are included. Transfers from one establishment to another within a company are not considered to be turnover items.

Method of Computation

To compute turnover rates for individual industries, the total number of each type of action (accessions, quits, etc.) reported for a calendar month by the sample establishments in each industry is first divided by the total number of employees reported by these establishments, who worked during, or received pay for, any part of the pay period ending nearest the 15th of that month. The result is multiplied by 100 to obtain the turnover rate.

For example, in an industry sample, the total number of employees who worked during, or received pay for, the week of January 12-18 was reported as 25,498. During the period January 1-31 a total of 284 employees in all reporting firms quit. The quit rate for the industry is:

$$\frac{284}{25,498} \times 100 = 1.1$$

To compute turnover rates for broader industrial categories, the rates for the component industries are weighted by the estimated employment.

Separate turnover rates for men and women are published quarterly for 1 month in each quarter. Only accessions, quits, and total separations are published. These rates are computed in the same manner as the all-employee rates; for example, the quit rate for women is obtained from an industry sample by dividing the number of women who quit during the month by the number of women employees reported.

Average monthly turnover rates for the year for all employees are computed by dividing the sum of the monthly rates by 12.

Comparability with Earlier Data

Labor turnover rates are available on a comparable basis from January 1930 for manufacturing as a whole and from 1943 for two coal mining and two communication industries. Rates for many individual industries and industry groups for the period prior to January 1950 are not comparable with those for the subsequent period because of a revision which involved (1) the adoption of the Standard Industrial Classification (1945) code structure for manufacturing industries, and (2) the introduction of weighting

in the computation of industry-group rates.

Comparability with 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, for the most part, refer to a 1-week pay period ending nearest the 15th of the month.
- (2) The turnover sample excludes certain industries (see under coverage, p. 2-E).
- (3) Plants on strike are not included in the turnover computations beginning with the month the strike starts through the month the workers return; the influence of such stoppages is reflected, however, in the employment figures.

C. HOURS AND EARNINGS

Definitions of production workers, nonsupervisory employees, payrolls, and man-hours from which hours and earnings data are derived are included in the glossary, page 7-E. Methods used to compute hours and earnings averages are described in summary of methods for computing national statistics, page 6-E.

Gross Average Hourly and Weekly Earnings

Average hourly earnings for manufacturing and non-manufacturing industries are on a "gross" basis, i.e., they reflect 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 basis. Employment shifts 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 refer to 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. However, the average 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 or nonsupervisory-employee definitions.

Gross average 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 average hours worked or paid for, and is somewhat different from standard or scheduled hours. Normally, 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 establishments. Group averages further reflect changes in the workweek of component industries.

Gross Average Weekly Earnings in Current and 1947-49 Dollars

These series indicate changes in the level of weekly earnings before and after adjustment for changes in purchasing power as determined from the BLS Consumer Price Index.

Net Spendable Average Weekly Earnings

Net spendable average weekly earnings in current dollars are obtained by deducting 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, as well as on the level of his gross income. To reflect these variables, net spendable earnings have been computed for two types of income receivers: (1) a worker with no dependents; and (2) a worker with three dependents.

The computations of net spendable earnings for both the factory worker with no dependents and the factory worker with three dependents are based upon the gross average weekly earnings for all production workers in manufacturing industries without regard to marital status, family composition, and total family income.

Net spendable weekly earnings in 1947-49 dollars represent an approximate measure of changes in "real" net spendable weekly earnings. "Real" earnings are computed by dividing the current Consumer Price Index into the spendable earnings average for the current month. The resulting level of spendable earnings expressed in 1947-49 dollars is thus adjusted for changes in purchasing power since that base period.

Average Hourly Earnings, Excluding Overtime, of Production Workers in Manufacturing Industries

These data are based on the application of adjustment factors to gross average hourly earnings (as described in the Monthly Labor Review, May 1950, pp. 537-540; reprint available, Serial No. R. 2020). This method eliminates only the earnings due to overtime paid for at one and one-half times the straight-time rates after 40 hours a week. Thus, no adjustment is made for other premium-payment provisions—for example, holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of Aggregate Weekly Man-Hours

The indexes of aggregate weekly man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1947-49 period. These aggregates represent the product of average weekly hours and employment.

The aggregate man-hours are defined as total man-hours for which pay was received by full- and part-time production or construction workers, including hours paid for holidays, sick leave, and vacations taken. The man-hours are for 1 week of the pay period ending nearest the 15th of the month, and may not be

typical of the entire month.

Railroad Hours and Earnings

The figures for Class I railroads (excluding switching and terminal companies) are based upon monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees who received pay during the month, except executives, officials, and staff assistants (ICC Group I). 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. Because hours and earnings data for manufacturing and other nonmanufacturing industries are based upon reports to the BLS which generally represent 1 weekly pay period ending nearest the 15th of the month, the data for railroad employees are not strictly comparable with

other industry information shown in this publication.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings statistics are collected and prepared by State agencies in cooperation with the BLS. These statistics are based on the same establishment reports used by the BLS for preparing national estimates. State employment series are adjusted to benchmark data from State unemployment insurance agencies and the Bureau of Old Age and Survivors Insurance. Because some States have more recent benchmarks than others and use slightly varying methods of computation, the sum of the State figures may differ slightly from the official U. S. totals prepared by the BLS.

Additional industry detail may be obtainable from the cooperating State agencies listed on the inside back cover of this report.

NOTE: Additional information concerning the preparation of the employment, hours, earnings, and labor turnover series—concepts and scope, survey methods, and reliability and limitations—is contained in technical notes for each of these series. (See page 9-E.) For all of this information as well as similar material for other BLS statistics, see *Techniques of Preparing Major BLS Statistical Series*, BLS Bull. 1168, December 1954.

SUMMARY OF METHODS FOR COMPUTING NATIONAL STATISTICS

EMPLOYMENT, HOURS, AND EARNINGS

Item	Individual manufacturing and nonmanufacturing industries	Total nonagricultural divisions, major groups, and groups
MONTHLY DATA		
<u>All employees</u>	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 industries.
<u>Production workers</u>	All-employee estimate for current month multiplied by ratio of production workers to all employees in sample establishments for current month.	Sum of production-worker estimates for component industries.
<u>Average weekly hours</u>	Total production or nonsupervisory man-hours divided by number of production or nonsupervisory workers.	Average, weighted by employment, of the average weekly hours for component industries.
<u>Average hourly earnings</u>	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 industries.
<u>Average weekly earnings</u>	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
ANNUAL AVERAGE DATA		
<u>All employees and production workers</u>	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
<u>Average weekly hours</u>	Annual total of aggregate man-hours (employment multiplied by average weekly hours) divided by annual sum of employment.	Average, weighted by employment, of the annual averages of weekly hours for component industries.
<u>Average hourly earnings</u>	Annual total of aggregate payrolls (weekly earnings multiplied by employment) divided by annual aggregate man-hours.	Average, weighted by aggregate man-hours, of the annual averages of hourly earnings for component industries.
<u>Average weekly earnings</u>	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

GLOSSARY

ALL EMPLOYEES - The total number of persons on establishment payrolls who worked full- or part-time or received pay for any part of the pay period ending nearest the 15th of the month. Includes salaried officers of corporations as well as employees on the establishment payroll engaged in new construction and major additions or alterations to the plant who are utilized as a separate work force (force-account construction workers). Proprietors, self-employed persons, domestic servants, unpaid family workers, and members of the Armed Forces are excluded.

CONSTRUCTION WORKERS - Includes working foremen, journeymen, mechanics, apprentices, helpers, laborers, and similar workers engaged in new work, alterations, demolition, and other actual construction work, at the site of construction or working in shop or yard at jobs (such as precutting and pre-assembling) ordinarily performed by members of the construction trades; includes all such workers regardless of skill, engaged in any way in contract construction activities.

CONTRACT CONSTRUCTION - Covers only firms engaged in the construction business on a contract basis for others. Force-account construction workers, i.e., hired directly by and on the payroll of Federal, State, and local government, public utilities, and private establishments, are excluded from contract construction and included in the employment for such establishments.

DURABLE GOODS - The durable-goods subdivision includes the following major manufacturing industry groups: ordnance and accessories; lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; fabricated metal products; machinery; electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries as defined. This definition is consistent with that used by other Federal agencies, e.g., Federal Reserve Board.

ESTABLISHMENT - "A single physical location where business is conducted or where services or industrial operations are performed; for example, a factory, mill, store, mine, or farm. Where a single physical location comprises two or more units which maintain separate payroll and inventory records and which are engaged in distinct or separate activities for which different industry classifications are provided in the Standard Industrial Classification, each unit shall be treated as a separate establishment. An establishment is not necessarily identical with the business concern or firm which may consist of one or more establishments. It is also to be distinguished from organizational subunits, departments, or divisions within an establishment." (Standard Industrial Classification Manual, U. S. Bureau of the Budget, Vol. I, Part I, p. 1, November 1945.)

FINANCE, INSURANCE, AND REAL ESTATE - Covers private establishments operating in the fields of finance (banks, security dealers, loan agencies, holding companies, and other finance agencies); insurance (insurance carriers and independent agents and brokers); and real estate (real estate owners, including

speculative builders, subdividers, and developers; and agents and brokers).

GOVERNMENT - Covers Federal, State, and local government establishments performing legislative, executive, and judicial functions, including Government corporations, Government force-account construction, and such units as arsenals, navy yards, and hospitals. Federal government employment excludes employees of the Central Intelligence Agency. State and local government employment includes teachers, but excludes, as nominal employees, paid volunteer firemen and elected officials of small local units.

LABOR TURNOVER:

Separations are terminations of employment during the calendar month and are classified according to cause: quits, discharges, layoffs, and miscellaneous separations (including military), as defined below.

Quits are terminations of employment during the calendar month initiated by employees for such reasons as: acceptance of a job in another company, dissatisfaction, return to school, marriage, maternity, ill health, or voluntary retirement where no company pension is provided. Failure to report after being hired and unauthorized absences of more than 7 consecutive calendar days are also classified as quits. Prior to 1940, miscellaneous separations were also included in this category.

Discharges are terminations of employment during the calendar month initiated by the employer for such reasons as employees' incompetence, violation of rules, dishonesty, insubordination, laziness, habitual absenteeism, or inability to meet physical standards.

Layoffs are terminations of employment during the calendar month lasting or expected to last more than 7 consecutive calendar days without pay, initiated by the employer without prejudice to the worker, for such reasons as lack of orders or materials, release of temporary help, conversion of plant, introduction of labor-saving machinery or processes, or suspensions of operations without pay during inventory periods.

Miscellaneous separations (including military) are terminations of employment during the calendar month because of permanent disability, death, retirement on company pension, and entrance into the Armed Forces expected to last more than 30 consecutive calendar days. Prior to 1940, miscellaneous separations were included with quits. Beginning September 1940, military separations were included here.

Persons on leave of absence (paid or unpaid) with the approval of the employer are not counted as separations until such time as it is definitely determined that such persons will not return to work. At that time, a separation is reported as one of the above types, depending on the circumstances.

Accessions are the total number of permanent and temporary additions to the employment roll during the calendar month, including both new and rehired employees. Persons returning to work after a layoff, military separations, or other absences who have been counted as separations are considered accessions.

MAN-HOURS - Covers man-hours worked or paid for of specified groups of workers, during the pay period ending nearest the 15th of the month. The specified group of workers in manufacturing and mining industries, laundries, and cleaning and dyeing plants is production and related workers; in the contract construction industry, it is construction workers; and in the other industries, it is nonsupervisory employees. The man-hours include hours paid for holidays, sick leave, and vacations taken; if the employee elects to work during a vacation period, the vacation pay and the hours it represents are omitted.

MANUFACTURING - Covers private establishments engaged in the mechanical or chemical transformation of inorganic or organic substances into new products and usually described as plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment. Establishments engaged in assembling component parts of manufactured products are also considered manufacturing if the new product is neither a structure nor other fixed improvement. Government manufacturing operations such as arsenals and navy yards are excluded from manufacturing and are included under Government.

MINING - Covers establishments engaged in the extraction from the earth of organic and inorganic minerals which occur in nature as solids, liquids, or gases; includes various contract services required in mining operations, such as removal of overburden, tunneling and shafting, and the drilling or acidizing of oil wells; also includes ore dressing, beneficiating, and concentration.

NONDURABLE GOODS - The nondurable-goods subdivision includes the following major manufacturing industry groups: food and kindred products; tobacco manufactures; textile-mill products; apparel and other finished textile products; paper and allied products; printing, publishing, and allied industries; chemicals and allied products; products of petroleum and coal; rubber products; and leather and leather products. This definition is consistent with that used by other Federal agencies, e.g., Federal Reserve Board.

NONSUPERVISORY EMPLOYEES - Includes employees (not above the working supervisory level) such as office and clerical workers, repairmen, salespersons, operators, drivers, attendants, service employees, linemen, laborers, janitors, watchmen, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

PAYROLL - The weekly payroll (except for State and local governments) for the specified groups of full- and part-time employees who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. The specified group of employees in the manufacturing and mining industries, laundries, and cleaning and dyeing plants is production and related workers; in the contract construction industry, it is construction workers; and in the other industries, it is nonsupervisory employees. The payroll is reported before deductions for old-age and unemployment insurance, group insurance,

withholding tax, bonds, and union dues; also includes pay for sick leave, holidays, and vacations taken. Excludes cash payments for vacations not taken, retroactive pay not earned during period reported, value of payments in kind, and bonuses, unless earned and paid regularly each pay period.

The same definition applies to payrolls for State and local governments except that in this case the payrolls are for the entire month and cover all employees, including nominals who are excluded from employment. Furthermore, these payrolls do not reflect the adjustment BLS makes in the State and local government employment estimate for the summer months to include the number of regular full-time teachers on vacation but who are not specifically paid in those months.

PRODUCTION AND RELATED WORKERS - Includes working foremen and all nonsupervisory workers (including lead men and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial, watchman services, products development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

REGIONS:

North - Includes all States except the 17 listed as South.

South - Includes the following 17 States: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

(In the case of sawmills and planing mills, general, a third region is identified - the West - and includes California, Oregon, and Washington.)

SERVICE AND MISCELLANEOUS - Covers establishments primarily engaged in rendering services to individuals and business firms, including automotive repair services. Excludes domestic service workers. Non-government schools, hospitals, museums, etc., are included under service and miscellaneous; similar Government establishments are included under Government.

TRANSPORTATION AND PUBLIC UTILITIES - Covers only private establishments engaged in providing all types of transportation and related services; telephone, telegraph, and other communication services or providing electricity, gas, steam, water, or sanitary service. Similar Government establishments are included under Government.

WHOLESALE AND RETAIL TRADE - Covers establishments engaged in wholesale trade, i.e., selling merchandise to retailers, and in retail trade, i.e., selling merchandise for personal or household consumption, and rendering service incidental to the sales of goods. Similar Government establishments are included under Government.

EMPLOYMENT AND EARNINGS DATA

Available from BLS free of charge

Use order blank below

- **HISTORICAL SUMMARY TABLES** of national data for every industry contained in tables A-1 through A-5, A-8, and C-1 through C-5

When ordering, please specify which industry or special series are wanted - see table for name of industry

- **STATE EMPLOYMENT** 1939-1954 - Summary tables for each State, by industry division
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Hours and Earnings in Nonagricultural Establishments
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