



Employment and Earnings

OCTOBER 1955

Vol. 2 No. 4

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EMPLOYMENT AND EARNINGS IN THE

PACIFIC COAST STATES 1950-1954....

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

THE RUBBER, LEATHER, AND STONE

PRODUCTS 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 JOB TOTAL SETS NEW SEPTEMBER RECORD AT 50.3 MILLION

The nonfarm job total rose to an alltime September peak of 50.3 million, exceeding by 60,000 the previous high for the month reached in 1953. The over-the-month rise of 436,000 was the result of seasonal gains in trade, and State and local governments as well as a continuation of the manufacturing upswing. A sharp pickup in the transportation and public utilities group and less-than-usual declines in construction and finance also contributed to the overall employment rise.

The return of nonfarm employment to 1953 levels was almost entirely attributable to continuous gains over this period in industries furnishing services rather than goods. Trade employment rose 279,000 during the two year period; service employment by 138,000, employment in finance, insurance, and real estate establishments by 165,000; State and local governments added 378,000 workers.

On the other hand, employment in other sectors of the economy was still substantially below the September 1953 figure. Manufacturing employment was 550,000 lower, transportation and public utilities were down 115,000, while in mining, where a long-term downtrend continued, employment was about 100,000 below September 1953. However, in these industries the gap between 1953 and this year has been narrowing; for example, in January of this year factory employment was 1.2 million below the 1953 level, compared with the September difference of 550,000.

MODEL CHANGEOVER AND SCATTERED STRIKES DAMPEN CONTINUING MANUFACTURING GAINS

Factory employment rose by 106,000 to 16.9 million in September. This was no more than the usual September rise because of the timing of auto model changeover and strikes in machinery and furniture, but sharp gains were reported in several manufacturing industries. The largest rise--36,000--was in electrical machinery and reflected increases in the production of radio and television sets and of electrical equipment for automobiles. The very sharp gain of 16,000 in primary metals reflected large increases in iron and steel foundries as well as smaller gains in the basic steel industry. An employment pickup in the refining and rolling of nonferrous metals to some extent was a result of the end of the copper industry strike.

Other significant gains were reported in fabricated metals, apparel, printing, paper, instruments

and stone, clay and glass while in the remaining manufacturing industries over-the-month changes were seasonal.

HALF HOUR RISE IN FACTORY HOURS REFLECTS HIGHER ACTIVITY

The factory workweek rose a half hour to 41.0 hours in September, a somewhat sharper-than-usual gain for this time of year. At this level, hours of work were 1.3 hours above a year ago and higher than in any other postwar September except 1952. Nearly every industry group reported longer hours than a month ago, but the gains were sharpest in durable goods industries. Hours of work in the transportation equipment group increased as a result of auto model changeover activity and increases in aircraft and shipbuilding. The workweek also rose sharply in primary metals, machinery, and electrical machinery, while in lumber hours of work remained virtually the same in contrast to usual August-September declines. Elsewhere in manufacturing, over-the-month changes generally were in line with seasonal expectations.

MAN-HOUR INDEX UP

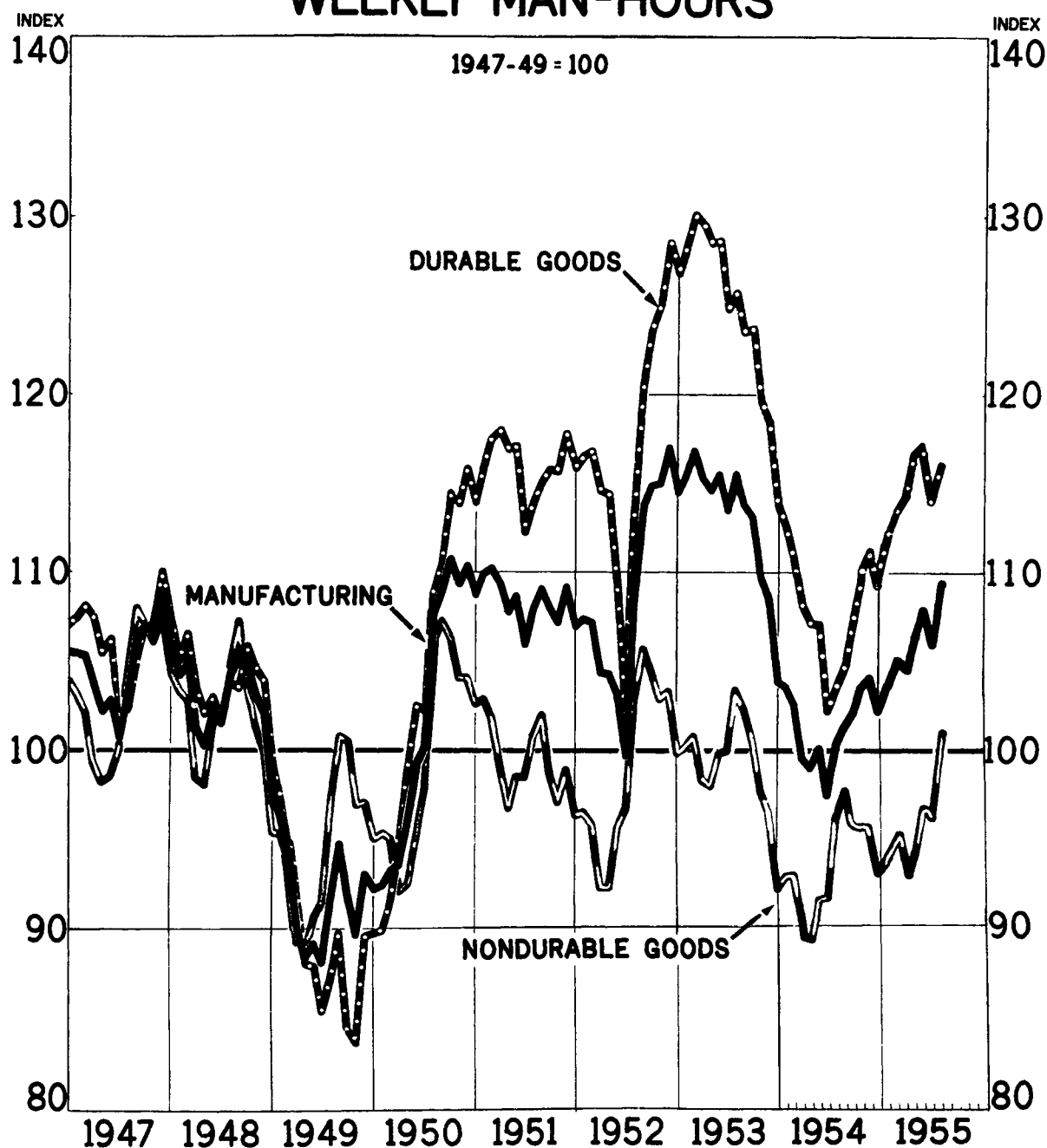
As a result of the increases in both hours of work and employment, the index of aggregate man-hours of production workers in manufacturing rose to 111.2 (1947-1949 = 100). This index measures the effect of both the number of workers employed and the length of their workweek. Since September 1954 the index has risen about 10 percent. It was only 2 percent below the September 1953 level, indicating that the employment loss of 550,000 has almost been offset by increases in the factory workweek.

WEEKLY EARNINGS RISE TO NEW HIGH

Average weekly earnings rose \$1.57 over the month to \$77.90, a new alltime high. With the exception of tobacco and leather, all industries reported some increase ranging from \$3.01 in primary metals and \$2.40 in transportation equipment to 9 cents in apparel and 18 cents in lumber. These increases were mainly due to lengthening of the workweek.

Compared with a year ago, average weekly pay in manufacturing was up a little more than \$6.00, as a result of the longer workweek as well as substantial wage increases in many industries. In durable goods manufacturing the over-the-year gain was over \$7.00, while in nondurable goods the increase was about \$3.30.

INDEXES OF PRODUCTION-WORKER AGGREGATE WEEKLY MAN-HOURS



UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

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

(In thousands)

Industry division and group	Current			Year ago	Sept. 1955 net change from:	
	Sept. 1955 1/	Aug. 1955 1/	July 1955	Sept. 1954	Previous month	Year ago
TOTAL	50,300	49,864	49,420	48,490	+436	+1,810
MINING	759	759	749	744	0	+ 15
Metal mining.....	98.6	94.4	90.0	90.0	+ 4.2	+ 8.6
Bituminous-coal.....	211.4	210.2	208.5	212.5	+ 1.2	- 1.1
Nonmetallic mining and quarrying.....	109.5	108.9	107.5	107.2	+ .6	+ 2.3
CONTRACT CONSTRUCTION	2,730	2,733	2,701	2,698	- 3	+ 32
MANUFACTURING	16,925	16,819	16,475	15,972	+106	+ 953
DURABLE GOODS	9,632	9,595	9,511	8,887	+ 37	+ 745
Ordnance and accessories.....	130.4	131.1	132.3	145.8	- .7	- 15.4
Lumber and wood products (except furniture).....	796.2	799.3	788.1	738.0	- 3.1	+ 58.2
Furniture and fixtures.....	371.3	370.0	353.2	352.8	+ 1.3	+ 18.5
Stone, clay, and glass products.....	561.6	557.8	547.8	520.4	+ 3.8	+ 41.2
Primary metal industries.....	1,339.3	1,323.7	1,302.7	1,156.0	+ 15.6	+ 183.3
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,106.9	1,093.1	1,077.5	1,028.7	+ 13.8	+ 78.2
Machinery (except electrical).....	1,542.2	1,566.9	1,573.5	1,498.6	- 24.7	+ 43.6
Electrical machinery.....	1,176.0	1,140.5	1,108.2	1,077.5	+ 35.5	+ 98.5
Transportation equipment.....	1,800.3	1,821.2	1,854.9	1,590.7	- 20.9	+ 209.6
Instruments and related products.....	320.1	315.1	314.8	308.8	+ 5.0	+ 11.3
Miscellaneous manufacturing industries...	487.2	476.3	457.6	470.1	+ 10.9	+ 17.1
NONDURABLE GOODS	7,293	7,224	6,964	7,085	+ 69	+ 208
Food and kindred products.....	1,718.6	1,703.9	1,603.0	1,703.4	+ 14.7	+ 15.2
Tobacco manufactures.....	124.9	113.7	86.8	119.5	+ 11.2	+ 5.4
Textile-mill products.....	1,078.0	1,074.7	1,045.6	1,071.5	+ 3.3	+ 6.5
Apparel and other finished textile products.....	1,247.7	1,229.4	1,152.1	1,185.4	+ 18.3	+ 62.3
Paper and allied products.....	562.1	556.0	546.8	536.6	+ 6.1	+ 25.5
Printing, publishing, and allied industries.....	818.1	810.1	807.7	802.9	+ 8.0	+ 15.2
Chemicals and allied products.....	820.8	812.0	808.9	788.9	+ 8.8	+ 31.9
Products of petroleum and coal.....	255.4	256.4	256.1	254.2	- 1.0	+ 1.2
Rubber products.....	278.6	276.0	273.9	252.4	+ 2.6	+ 26.2
Leather and leather products.....	388.5	392.1	382.6	370.4	- 3.6	+ 18.1
TRANSPORTATION AND PUBLIC UTILITIES	4,152	4,134	4,113	4,023	+ 18	+ 129
TRANSPORTATION.....	2,789	2,765	2,749	2,701	+ 24	+ 88
COMMUNICATION.....	770	773	770	738	- 3	+ 32
OTHER PUBLIC UTILITIES.....	593	596	594	584	= 3	+ 9
WHOLESALE AND RETAIL TRADE	10,793	10,643	10,633	10,447	+150	+ 346
WHOLESALE TRADE	2,876	2,864	2,858	2,789	+ 12	+ 87
RETAIL TRADE	7,917	7,779	7,775	7,658	+138	+ 259
General merchandise stores.....	1,376.6	1,316.7	1,313.4	1,348.9	+ 59.9	+ 27.7
Food and liquor stores.....	1,514.1	1,498.7	1,505.7	1,444.0	+ 15.4	+ 70.1
Automotive and accessories dealers.....	785.9	787.7	784.9	753.1	- 1.8	+ 32.8
Apparel and accessories stores.....	585.7	540.3	552.8	580.3	+ 45.4	+ 5.4
Other retail trade.....	3,654.2	3,635.1	3,618.4	3,531.8	+ 19.1	+ 122.4
FINANCE, INSURANCE, AND REAL ESTATE	2,220	2,240	2,237	2,141	- 20	+ 79
SERVICE AND MISCELLANEOUS	5,790	5,819	5,816	5,719	- 29	+ 71
GOVERNMENT	6,931	6,717	6,696	6,746	+214	+ 185
FEDERAL	2,193	2,190	2,187	2,142	+ 3	+ 51
STATE AND LOCAL	4,738	4,527	4,509	4,604	+211	+ 134

1/ Preliminary.

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

(In thousands)

Major industry group	Current			Year ago	September 1955 net change from:	
	Sept. 1955 1/	Aug. 1955 1/	July 1955	Sept. 1954	Previous month	Year ago
MANUFACTURING.....	13,399	13,281	12,951	12,577	+118	+822
DURABLE GOODS.....	7,623	7,576	7,499	6,965	+ 47	+658
Ordnance and accessories.....	87.3	88.0	88.6	101.8	- .7	- 14.5
Lumber and wood products (except furniture).....	727.9	730.4	720.1	671.7	- 2.5	+ 56.2
Furniture and fixtures.....	315.2	314.0	297.5	298.4	+ 1.2	+ 16.8
Stone, clay, and glass products.....	472.9	469.5	460.3	437.1	+ 3.4	+ 35.8
Primary metal industries.....	1,134.1	1,118.9	1,098.0	965.3	+ 15.2	+168.8
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	894.0	879.4	862.9	821.0	+ 14.6	+ 73.0
Machinery (except electrical).....	1,136.4	1,151.8	1,159.5	1,097.0	- 15.4	+ 39.4
Electrical machinery.....	867.1	832.7	802.0	785.4	+ 34.4	+ 81.7
Transportation equipment.....	1,364.6	1,383.4	1,419.9	1,182.9	- 18.8	+181.7
Instruments and related products.....	224.6	219.5	218.6	217.7	+ 5.1	+ 6.9
Miscellaneous manufacturing industries...	399.0	388.2	371.7	386.4	+ 10.8	+ 12.6
NONDURABLE GOODS.....	5,776	5,705	5,452	5,612	+ 71	+164
Food and kindred products.....	1,276.1	1,248.3	1,150.4	1,267.5	+ 18.8	- .4
Tobacco manufactures.....	117.7	105.8	79.1	110.3	+ 11.9	+ 7.4
Textile-mill products.....	986.1	982.3	953.5	978.4	+ 3.8	+ 7.7
Apparel and other finished textile products.....	1,115.2	1,100.7	1,025.1	1,058.7	+ 14.5	+ 56.5
Paper and allied products.....	463.5	457.6	448.4	444.6	+ 5.9	+ 18.9
Printing, publishing, and allied industries.....	528.9	519.4	518.1	518.3	+ 9.5	+ 10.6
Chemicals and allied products.....	552.3	544.6	542.3	529.4	+ 7.7	+ 22.9
Products of petroleum and coal.....	176.6	177.3	177.2	177.1	- .7	- .5
Rubber products.....	220.6	217.9	215.7	196.3	+ 2.7	+ 24.3
Leather and leather products.....	347.7	351.4	341.7	330.9	- 3.7	+ 16.8

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
	Sept. 1/	Aug. 1/	Sept.	Sept. 1/	Aug. 1/	Sept.	Sept. 1/	Aug. 1/	Sept.
MANUFACTURING.....	\$77.90	\$76.33	\$71.86	41.0	40.6	39.7	\$1.90	\$1.88	\$1.81
DURABLE GOODS.....	84.45	82.61	77.39	41.6	41.1	40.1	2.03	2.01	1.93
Ordnance and accessories.....	83.85	82.21	80.60	40.9	40.3	40.1	2.05	2.04	2.01
Lumber and wood products (except furniture).....	73.33	73.15	67.40	41.9	41.8	40.6	1.75	1.75	1.66
Furniture and fixtures.....	69.11	68.62	64.46	42.4	42.1	40.8	1.63	1.63	1.58
Stone, clay, and glass products.....	79.00	77.75	72.85	41.8	41.8	40.7	1.89	1.86	1.79
Primary metal industries.....	95.40	92.39	82.39	41.3	40.7	38.5	2.31	2.27	2.14
Fabricated metal products (except ordnance, machinery, and transportation equip- ment).....	84.02	83.20	77.74	41.8	41.6	40.7	2.01	2.00	1.91
Machinery (except electrical).....	88.20	86.32	81.81	42.0	41.5	40.3	2.10	2.08	2.03
Electrical machinery.....	78.44	76.33	72.98	41.5	40.6	40.1	1.89	1.88	1.82
Transportation equipment.....	94.02	91.62	86.40	41.6	40.9	40.0	2.26	2.24	2.16
Instruments and related products.....	78.14	77.16	73.82	40.7	40.4	39.9	1.92	1.91	1.85
Miscellaneous manufacturing industries.....	67.97	66.50	64.40	40.7	40.3	40.0	1.67	1.65	1.61
NONDURABLE GOODS.....	68.57	67.83	65.24	40.1	39.9	39.3	1.71	1.70	1.66
Food and kindred products.....	71.97	71.45	68.48	41.6	41.3	41.5	1.73	1.73	1.65
Tobacco manufactures.....	49.25	50.43	48.86	40.7	39.4	39.4	1.21	1.28	1.24
Textile-mill products.....	56.56	55.07	52.50	40.4	40.2	38.6	1.40	1.37	1.36
Apparel and other finished textile products.....	49.91	49.82	48.82	36.7	36.9	35.9	1.36	1.35	1.36
Paper and allied products.....	80.72	79.92	75.40	43.4	43.2	42.6	1.86	1.85	1.77
Printing, publishing, and allied industries.....	92.43	91.18	88.39	39.0	38.8	38.6	2.37	2.35	2.29
Chemicals and allied products.....	84.44	82.81	79.52	41.8	41.2	41.2	2.02	2.01	1.93
Products of petroleum and coal.....	99.95	98.06	95.58	41.3	41.2	41.2	2.42	2.38	2.32
Rubber products.....	87.36	86.73	77.42	41.8	41.3	39.3	2.09	2.10	1.97
Leather and leather products..	52.59	53.48	49.96	37.3	38.2	36.2	1.41	1.40	1.38

1/ Preliminary.

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

(1947-49=100)

Industry division	Current			Year ago
	September 1955	August 1955	July 1955	September 1954
	<u>1/</u>	<u>1/</u>		
TOTAL.....	115.0	114.0	113.0	110.9
Mining.....	80.1	80.1	79.0	78.5
Contract construction.....	129.7	129.8	128.3	128.2
Manufacturing.....	113.4	112.7	110.3	107.0
Transportation and public utilities.....	102.0	101.5	101.0	98.8
Wholesale and retail trade.....	114.7	113.1	113.0	111.0
Finance, insurance, and real estate...	128.6	129.8	129.6	124.0
Service and miscellaneous.....	118.3	118.9	118.9	116.9
Government.....	122.5	118.7	118.3	119.2

1/ Preliminary.

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

(1947-49=100)

Major industry group	Current			Year ago
	September 1955	August 1955	July 1955	September 1954
	<u>1/</u>	<u>1/</u>		
MANUFACTURING.....	108.3	107.4	104.7	101.7
DURABLE GOODS.....	114.2	113.5	112.4	104.4
Ordnance and accessories.....	383.8	388.2	392.6	450.0
Lumber and wood products (except furniture).....	98.6	98.9	97.6	91.1
Furniture and fixtures.....	106.7	106.3	100.9	100.9
Stone, clay, and glass products.....	108.7	108.0	105.7	100.5
Primary metal industries.....	110.2	108.7	106.7	93.8
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	114.8	112.8	110.8	105.4
Machinery (except electrical).....	99.9	101.3	102.0	96.5
Electrical machinery.....	135.4	130.1	125.2	122.6
Transportation equipment.....	133.5	135.2	138.9	115.7
Instruments and related products.....	116.0	113.4	112.9	112.4
Miscellaneous manufacturing industries.	105.0	102.1	97.9	101.6
NONDURABLE GOODS.....	101.4	100.2	95.7	98.5
Food and kindred products.....	107.0	105.5	97.2	107.1
Tobacco manufactures.....	111.7	100.3	74.8	104.1
Textile-mill products.....	80.7	80.4	78.1	80.0
Apparel and other finished textile products.....	107.1	105.7	98.4	101.7
Paper and allied products.....	115.8	114.3	111.8	111.1
Printing, publishing, and allied industries.....	110.1	108.0	107.8	107.8
Chemicals and allied products.....	108.2	106.8	106.2	103.7
Products of petroleum and coal.....	95.2	95.2	95.2	95.2
Rubber products.....	108.5	107.0	106.1	96.2
Leather and leather products.....	96.2	97.1	94.6	91.5

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)			
	September 1955 1/	August 1955 1/	July 1955	September 1954	September 1955 1/	August 1955 1/	July 1955	September 1954
TOTAL.....	113.9	113.7	113.5	109.8	49,821	49,750	49,640	48,020
Mining.....	79.6	79.2	79.9	78.1	755	751	757	740
Contract construction.....	121.2	120.2	121.0	119.8	2,551	2,531	2,548	2,521
Manufacturing.....	111.8	111.7	111.4	105.4	16,686	16,682	16,635	15,739
Transportation and public utilities..	101.6	100.8	100.3	98.4	4,135	4,103	4,082	4,007
Wholesale and retail trade.....	114.7	114.8	114.4	111.0	10,793	10,802	10,765	10,447
Finance, insurance, and real estate..	128.6	127.9	127.7	124.0	2,220	2,207	2,204	2,141
Service and miscellaneous.....	116.6	117.2	117.1	115.1	5,704	5,733	5,730	5,634
Government.....	123.3	122.6	122.2	120.0	6,977	6,941	6,919	6,721

1/ Preliminary.

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

Major industry group	Index (1947-49=100)				Number (In thousands)			
	September 1955 1/	August 1955 1/	July 1955	September 1954	September 1955 1/	August 1955 1/	July 1955	September 1954
MANUFACTURING.....	106.5	106.4	106.1	99.8	13,170	13,158	13,119	12,346
DURABLE GOODS.....	114.1	114.1	114.0	104.2	7,613	7,615	7,609	6,957
Ordnance and accessories.....	383.8	388.2	392.6	450.0	87	88	89	102
Lumber and wood products (except furniture).....	95.3	95.1	95.7	87.9	708	702	706	649
Furniture and fixtures.....	106.0	108.0	105.0	100.6	313	319	310	297
Stone, clay, and glass products.....	108.3	107.6	107.4	100.0	471	468	467	435
Primary metal industries.....	110.2	109.3	107.7	93.8	1,134	1,125	1,109	965
Fabricated metal products (except ordnance, machinery, and transpor- tation equipment).....	114.8	114.0	114.2	105.4	894	888	890	821
Machinery (except electrical).....	102.5	104.0	103.1	98.9	1,165	1,182	1,172	1,125
Electrical machinery.....	135.4	132.7	129.8	122.6	867	850	831	785
Transportation equipment.....	133.5	135.2	138.9	115.7	1,365	1,383	1,420	1,183
Instruments and related products.....	116.0	114.4	114.9	112.4	225	222	223	218
Miscellaneous manufacturing industries.....	102.4	102.1	103.2	99.2	389	388	392	377
NONDURABLE GOODS.....	97.6	97.3	96.8	94.6	5,557	5,543	5,510	5,389
Food and kindred products.....	92.1	92.8	92.1	91.7	1,090	1,098	1,090	1,086
Tobacco manufactures.....	92.7	90.9	86.1	87.1	98	96	91	92
Textile-mill products.....	81.5	81.6	80.0	80.9	996	997	978	988
Apparel and other finished textile products.....	104.5	103.6	103.0	99.2	1,088	1,079	1,073	1,033
Paper and allied products.....	116.3	114.8	114.1	111.6	466	460	457	447
Printing, publishing, and allied industries.....	110.1	109.0	108.8	107.8	529	524	523	518
Chemicals and allied products.....	107.6	108.4	108.4	103.1	549	553	553	526
Products of petroleum and coal.....	93.5	93.5	94.1	93.5	174	174	175	174
Rubber products.....	108.5	108.0	109.5	96.2	221	220	223	196
Leather and leather products.....	95.7	94.6	95.9	91.0	346	342	347	329

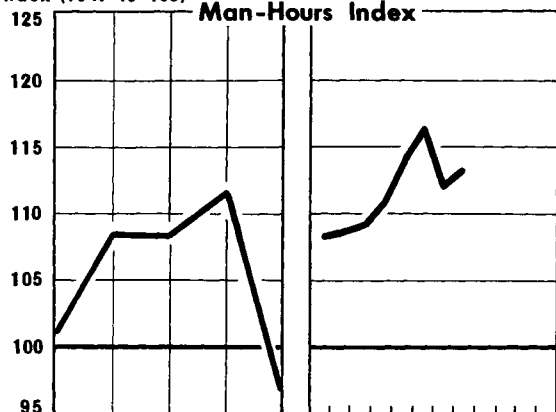
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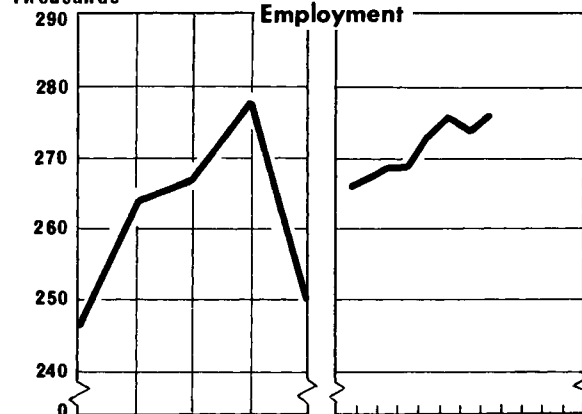
THE RUBBER PRODUCTS INDUSTRY SINCE 1950

Annual Average 1950-54; Monthly 1955

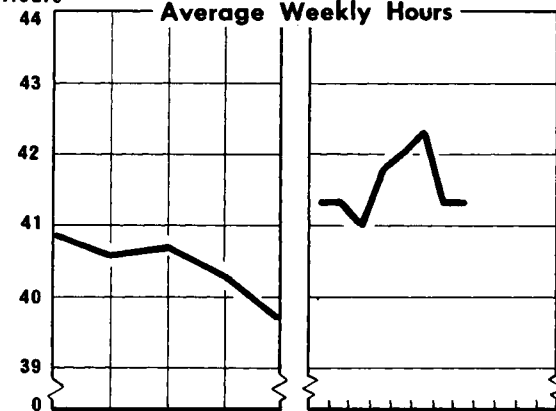
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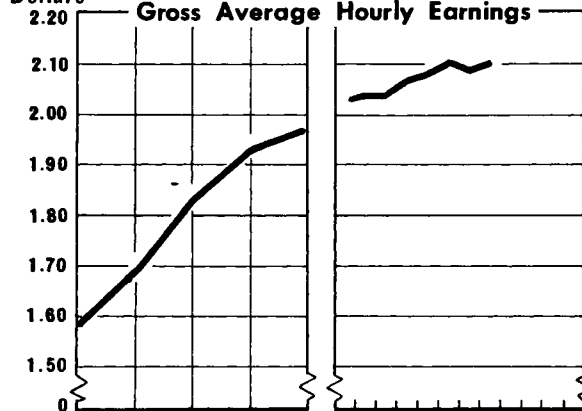
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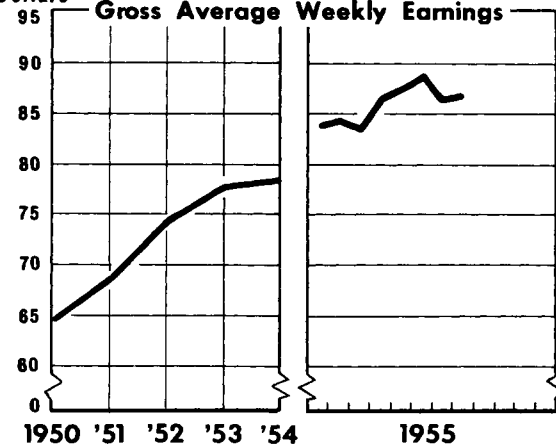
Hours



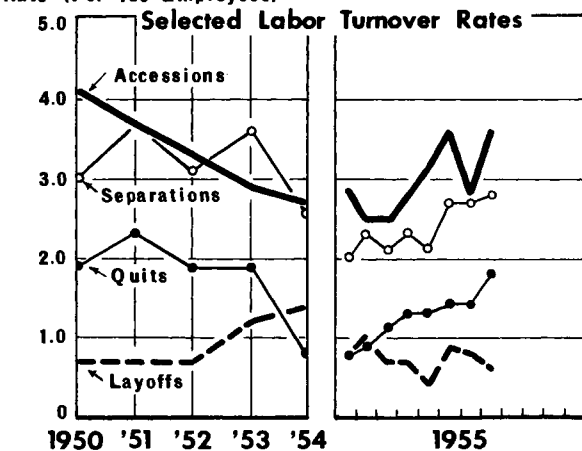
Dollars



Dollars



Rate (Per 100 Employees)



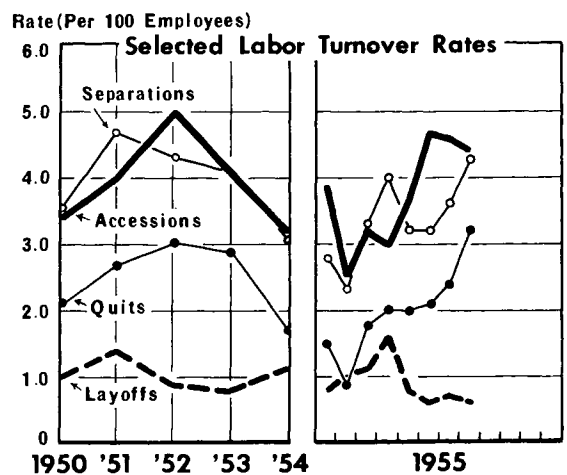
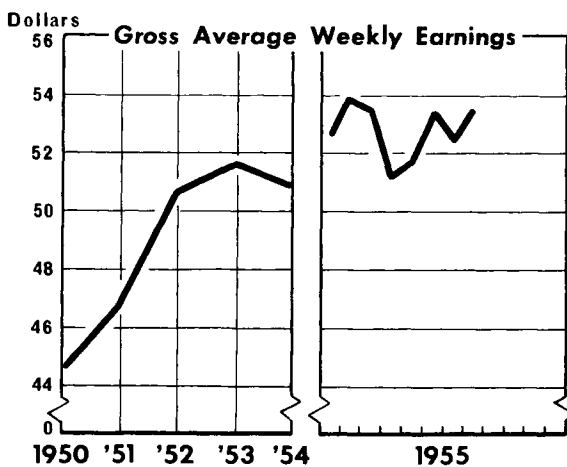
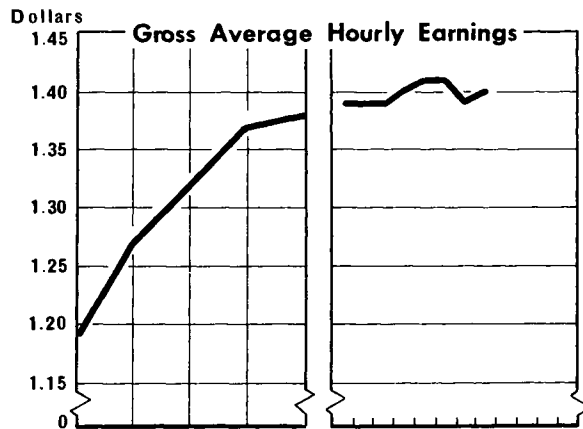
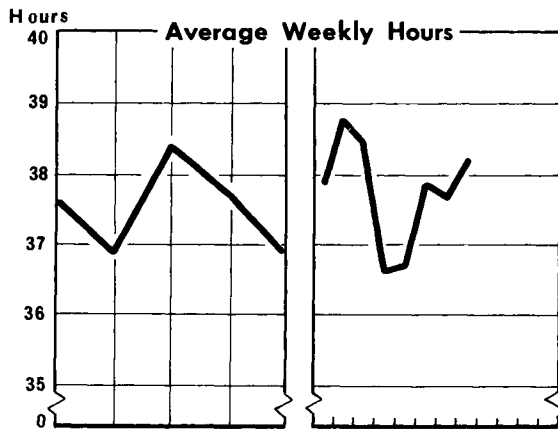
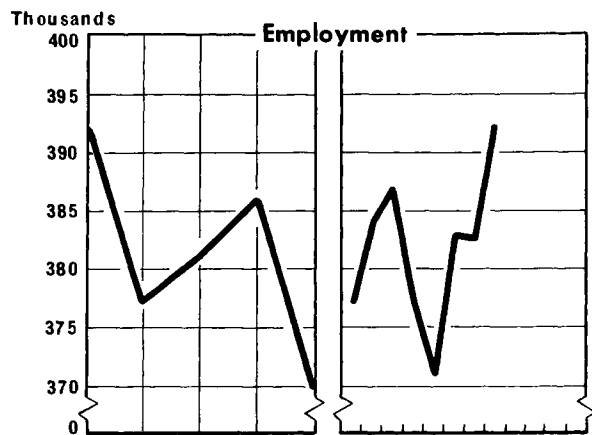
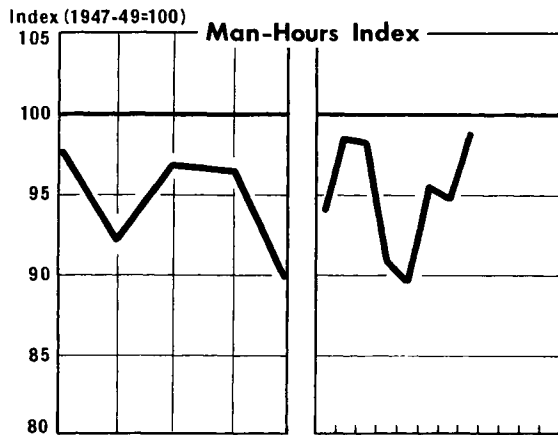
August 1955 data are preliminary

Chart 11. -Copies of this page
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THE LEATHER INDUSTRY* SINCE 1950

Annual Average 1950-54; Monthly 1955



*Includes leather and leather products

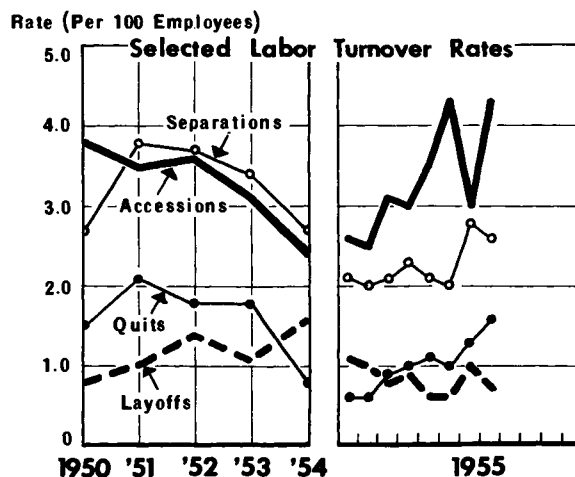
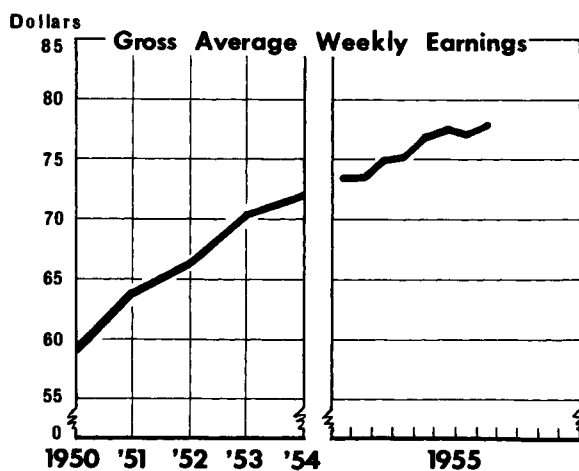
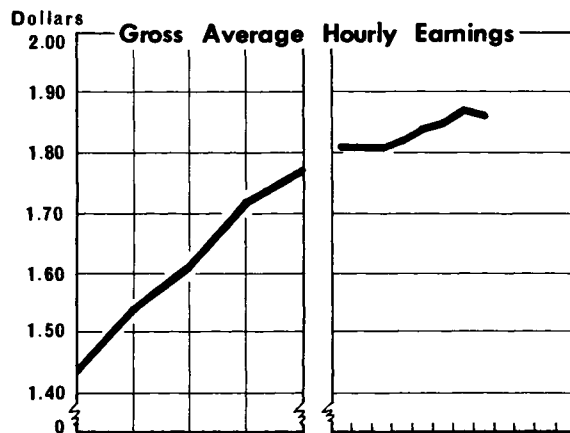
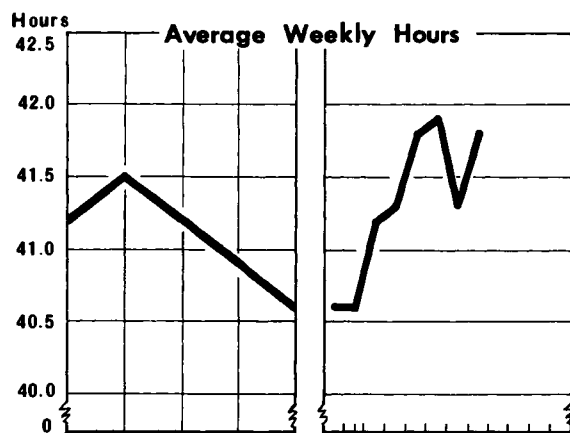
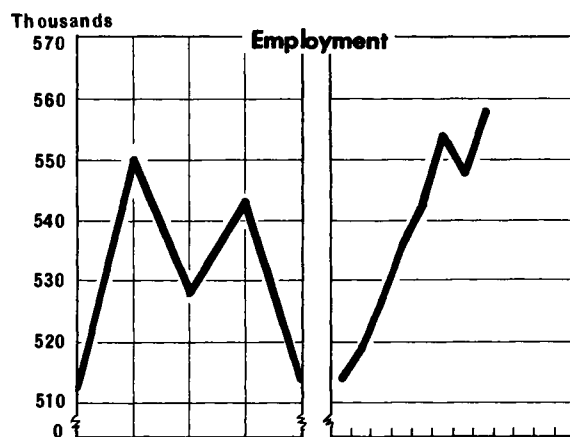
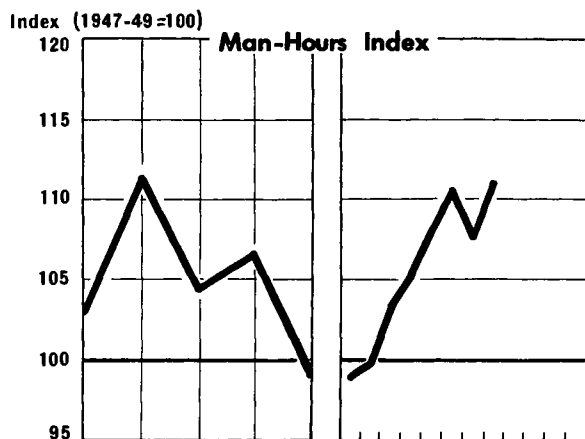
August 1955 data are preliminary

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Chart 12. -Copies of this page
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THE STONE, CLAY, AND GLASS PRODUCTS INDUSTRY SINCE 1950

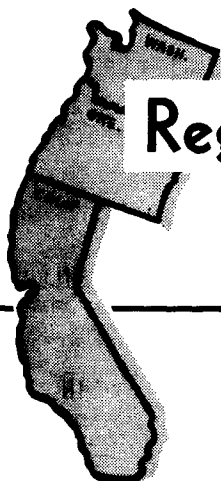
Annual Average 1950-54; Monthly 1955



August 1955 data are preliminary

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Chart 13. -Copies of this page
available upon request



Regional Patterns in Employment and Earnings

Part 1. PACIFIC COAST STATES

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

Introduction

Developments in the 3 Pacific Coast States during the past 5 years indicate a continuing long-term growth. Between 1950 and 1954, manufacturing, distributive, and service activities expanded to accommodate growing western and national markets and provided job opportunities for the rapidly growing population. Water and power shortages brought on by the rapid industrialization during World War II have been improved by developmental activity. Business has found the Far West, with its ever-increasing numbers of skilled workers and constantly growing markets, an attractive place to locate new plants.

In contrast to most of the other regions, wherein the population increase has been due primarily to the excess of births over deaths, the Pacific region experienced an influx of over 1 million migrants between April 1950 and July 1953. This number augmented by a natural increase of 700,000 minus a net movement to the Armed Forces of 200,000, increased the civilian population over 1-1/2 million (more than 10 percent) in a little over 3 years.

The increase in the adult population resulting from the heavy migration is of significance because the impact of persons in the adult age

Table 1 - Nonagricultural employment by industry, Pacific Region, 1950-54
(in thousands)

Industry	All Employees				
	1950	1951	1952	1953	1954
Nonagricultural.....	4317.0	4699.7	4936.0	5078.7	5029.3
Mining	36.6	39.1	40.1	41.3	39.7
Contract construction	294.8	317.0	316.6	327.5	317.6
Manufacturing	1069.1	1232.0	1331.7	1399.8	1368.6
Food	176.2	183.1	180.8	183.1	180.0
Lumber	190.7	205.1	198.0	192.8	176.4
Furniture.....	31.8	31.5	31.8	31.6	29.1
Paper	33.1	36.9	38.0	40.4	41.9
Printing	60.2	61.0	62.4	64.9	66.7
Textiles and apparel 1/.....	63.6	63.2	66.9	68.3	65.9
Transportation equipment 1/ ..	139.1	205.3	269.1	299.7	309.2
Primary and fabricated metals.	116.2	133.7	139.0	149.7	140.3
Transportation and public utilities	412.3	436.6	444.7	454.5	437.7
Trade	1040.9	1089.0	1126.5	1157.3	1147.8
Finance, insurance, and real estate.	192.1	200.8	207.9	217.2	222.9
Service and miscellaneous.....	546.4	576.6	609.3	622.4	628.7
Government	724.9	808.6	859.2	858.7	866.3

1/ Excludes fewer than 5,000 workers in each industry in the State of Washington.

Chart 1. Percent Change in Employment

BY INDUSTRY DIVISION

Pacific Region, 1950-54

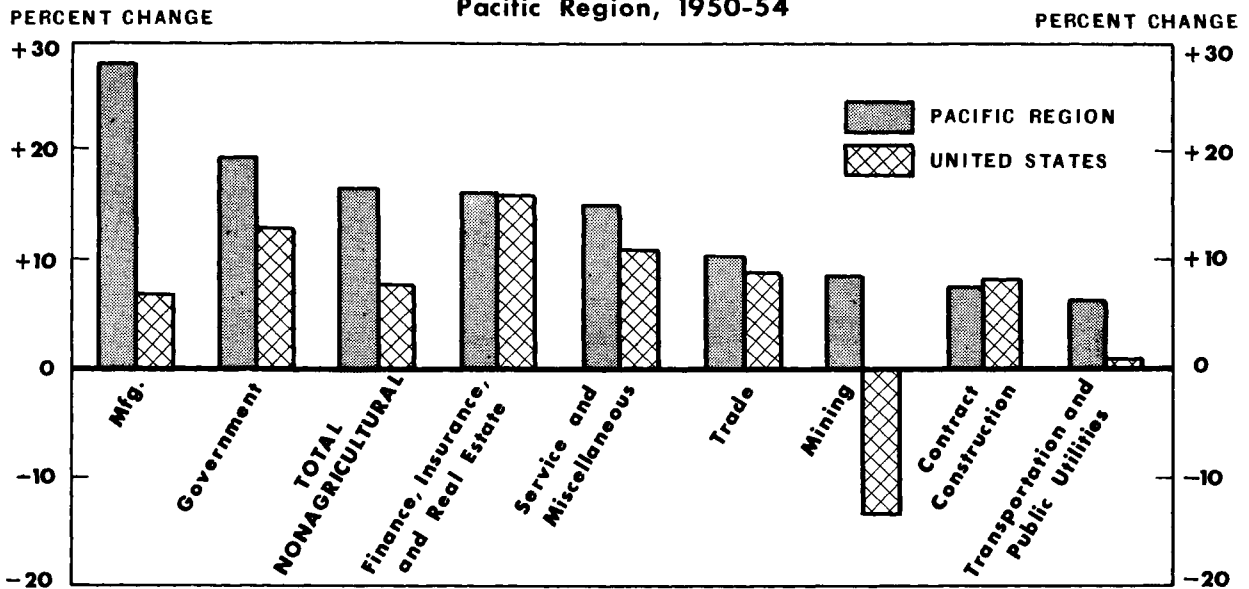
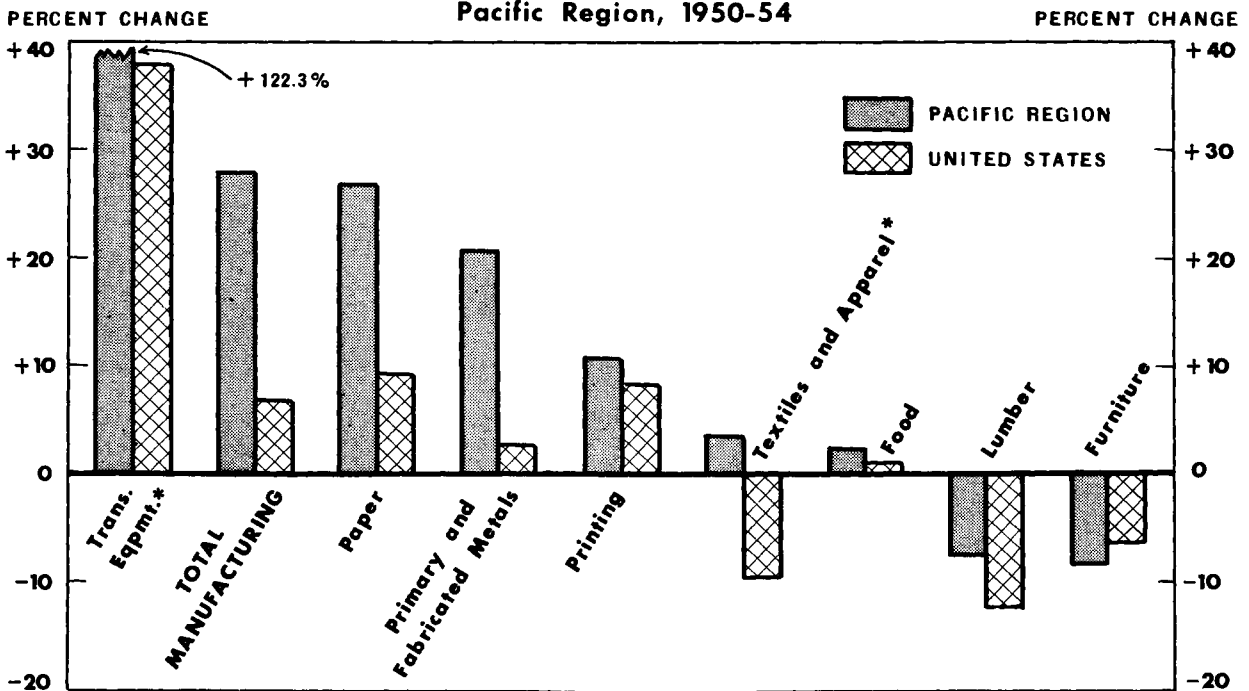


Chart 2. Percent Change in Employment

SELECTED INDUSTRIES

Pacific Region, 1950-54



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* Excludes fewer than 5,000 workers in each industry in the State of Washington

groups upon the labor market and upon consumer expenditures is direct and immediate. Where population change results from natural increase, the effect upon the economy is more gradual.

The West Coast's two most important industries in 1950 -- lumber and food -- have since made room for a latecomer -- transportation equipment, which first became established during World War II. The metal products and machinery industries have also assumed an increasingly important part in the regional economy.

While indicators such as per capita income and value added by manufacture per employee have failed to increase percentage-wise as much as for the Nation as a whole, they have nevertheless remained substantially above the national averages.

A rapid expansion such as this area has experienced necessarily creates problems in transportation and power. Demand for housing and services, plus a need for additional educational and recreational facilities, have also become more urgent.

Employment

The 3 Pacific Coast States now employ 1 out of every 10 nonagricultural workers in the country. Nonfarm employment, along with population, is increasing more rapidly than in the Nation as a whole. Industrial activity has speeded up as local markets grow and as West Coast products compete to a greater extent in eastern markets. Defense related industries have provided employment for a sizable portion of the area's work force since 1950.

Over one-fourth of the 5,029,000 nonagricultural workers are employed in manufacturing establishments, with 3 industries--transportation equipment, food and kindred products, and lumber and wood products--accounting for about half of the factory workers.

Employment in the transportation equipment industry, averaging over 300,000 workers in 1954, has more than doubled since 1950, primarily because of a larger number of workers in aircraft plants. A small increase in the number of automobile workers was a contributing factor.

In 1954, employment in the lumber industry, at 176,000, was at its lowest level in 5 years. Lumber production registered a 4-percent decline from 1953. However, indications are that this was chiefly the result of a work stoppage in the Douglas Fir region involving a large number of lumber workers in mid-1954. Residential construction, the chief source of demand for the region's softwood lumber, remains at a high level. Plywood production increased 50 percent between 1950 and 1954, as this commodity was used more and more by the construction industry.

Average annual employment in the food industry remained about constant at approximately 180,000 between 1950 and 1954.

Employment in primary and fabricated metals has shown a 20-percent increase to approximately 140,000 workers in 1954. This growth is in line with increased industrialization in the area, but metal products are still not as important in the economy of the region as in the economy of the country as a whole.

Employment in textiles and apparel, chiefly concentrated in California, has only increased 3-1/2 percent since 1950.

In nonmanufacturing industries, trade, service, and government together employed over half of the nonagricultural workers. Trade and service employment have shown 10 and 15 percent increases, respectively, between 1950 and 1954, as these activities expanded to accommodate a rapidly growing population. An estimated 4-year rise in population of over 14 percent has increased demand for distributive and service activities, as well as for residential, commercial, and industrial construction.

Table 2 - Hours and gross earnings of production workers
in manufacturing industries, Pacific Region
1950 - 1954

	Average Hourly Earnings		Average Weekly Hours		Average Weekly Earnings	
	1950	1954	1950	1954	1950	1954
Manufacturing	\$ 1.68	\$ 2.05	39.5	39.7	\$ 66.36	\$ 81.39
Food	1.51	1.84	39.3	38.9	59.34	71.58
Lumber	1.87	2.23	38.8	39.0	72.56	86.97
Furniture	1.61	1.93	39.6	38.7	63.76	74.69
Paper	1.69	2.06	40.7	40.7	68.78	83.84
Printing	2.27	2.65	36.8	36.5	83.54	96.73
Textiles and apparel 1/ . . .	1.36	1.53	36.1	36.2	49.10	55.39
Primary and fabricated metals	1.67	2.09	40.4	39.9	67.47	83.39

Note: In combining State data, all employee figures were used as weights since production-worker employment data are not available in this office.

1/ Excludes data for the State of Washington.

Contract construction, employing over 300,000 workers in 1954 accounts for another 6 percent of nonagricultural employment.

The latest available data (1953) on value added by manufacture throw additional light upon changes in West Coast industry since 1950. Almost 40 percent of the total value added by manufacture in 1953 occurred in the metalworking industries. Although value added increased generally, the rate of increase was greater in the newer industries. Several older industries showed a slower rate of growth during this period. Food and kindred products, the leading industry in 1950 with one-fifth of the total value added, increased 10.5 percent in 1953 but then accounted for only one-seventh of the total. Similarly, lumber with one-sixth of all value added in 1950, was only one-seventh of the total in 1953 in spite of a substantial increase in total value added between those 3 years. On the other hand, transportation equipment, now the region's major industry, increased its value-added figure by 165 percent to account for over one-fifth of total. Electrical machinery showed a phenomenal increase of 244 percent. Greater-than-average gains were also made in fabricated metals and nonelectrical machinery.

Earnings

Average weekly earnings of factory production workers were considerably higher in the

Pacific States during the period 1950-54 than in the Nation as a whole. Wage rates have traditionally been higher on the West Coast, particularly in unskilled occupations. The 22-percent increase in weekly earnings over the period has been slightly greater than the countrywide average increase.

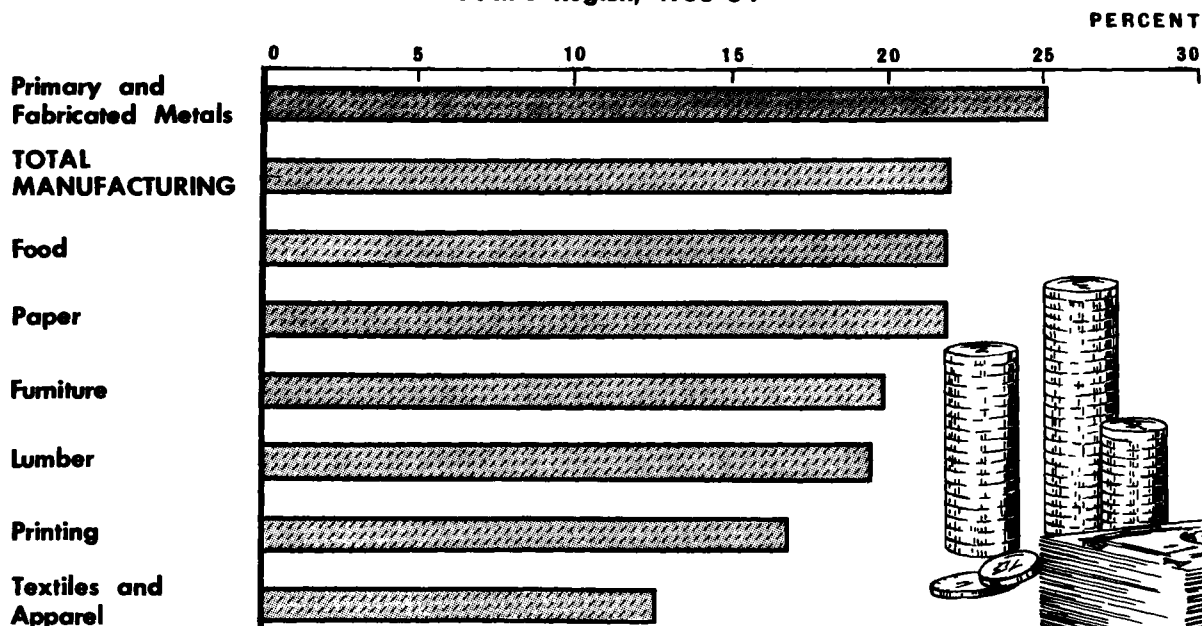
The increase in gross weekly earnings was achieved mostly by an increase in earnings rates, since the average manufacturing workweek increased only two-tenths of an hour between 1950 and 1954. Hourly earnings for the same period increased 22 percent, from \$1.68 to \$2.05. Nationally, hourly earnings increased 24 percent, from \$1.46 to \$1.81.

The movement of earnings in the Pacific Region was similar in hard-goods and soft-goods industries--upward by about one-fifth--maintaining or widening slightly the earnings differential which has long existed between these types of industries.

In the large and diversified food industry, which is characterized by a high percentage of unskilled and semiskilled workers, hourly earnings rose 22 percent from \$1.51 in 1950 to \$1.84 in 1954. The workweek, after lengthening in 1951, declined steadily to 38.9 hours in 1954. Weekly earnings at \$71.58 in 1954 were almost \$10 below the all-manufacturing average.

The textile and apparel group showed the

**Chart 3. Percent Increase in Hourly Earnings
SELECTED INDUSTRIES
Pacific Region, 1950-54**



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smallest increase of the major industries, rising 12-1/2 percent from \$1.36 to \$1.53. The traditionally short workweek remained at about 36 hours and combined with the comparatively low hourly rate to hold earnings to an average \$55.50 in 1954.

Hourly earnings in the lumber industry rose one-fifth from \$1.87 in 1950 to \$2.23 in 1954 in spite of the decline in employment between the 2 years. The workweek remained between 38-1/2 and 39 hours, bringing weekly earnings considerably above the all-manufacturing average.

The primary and fabricated metals industries, as a group, made one of the greatest gains in hourly earnings, from \$1.67 to \$2.09. These

Table 3 - Source of change in civilian population, United States and Pacific Region April 1950 - July 1953

Source of change	Number of Persons (in thousands)	
	Pacific Region	United States
Net increase.....	1,520	6,405
Additions		
Births.....	1,182	12,353
Net migrations.....	1,004	992
Subtraction.....		
Deaths.....	458	4,825
Net movement to Armed Forces.	207	2,115

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

industries also had the longest average workweeks--about 40 hours. This would indicate considerable overtime work throughout the period, estimating an actual hours-worked average about 5 percent below the scheduled workweek.

Indications are that higher-than-national manufacturing earnings are general throughout the various industry groups and are not due to any unusual industrial composition.

Table 4 - Value added by manufacture, by industry, Pacific Region, 1950 and 1953

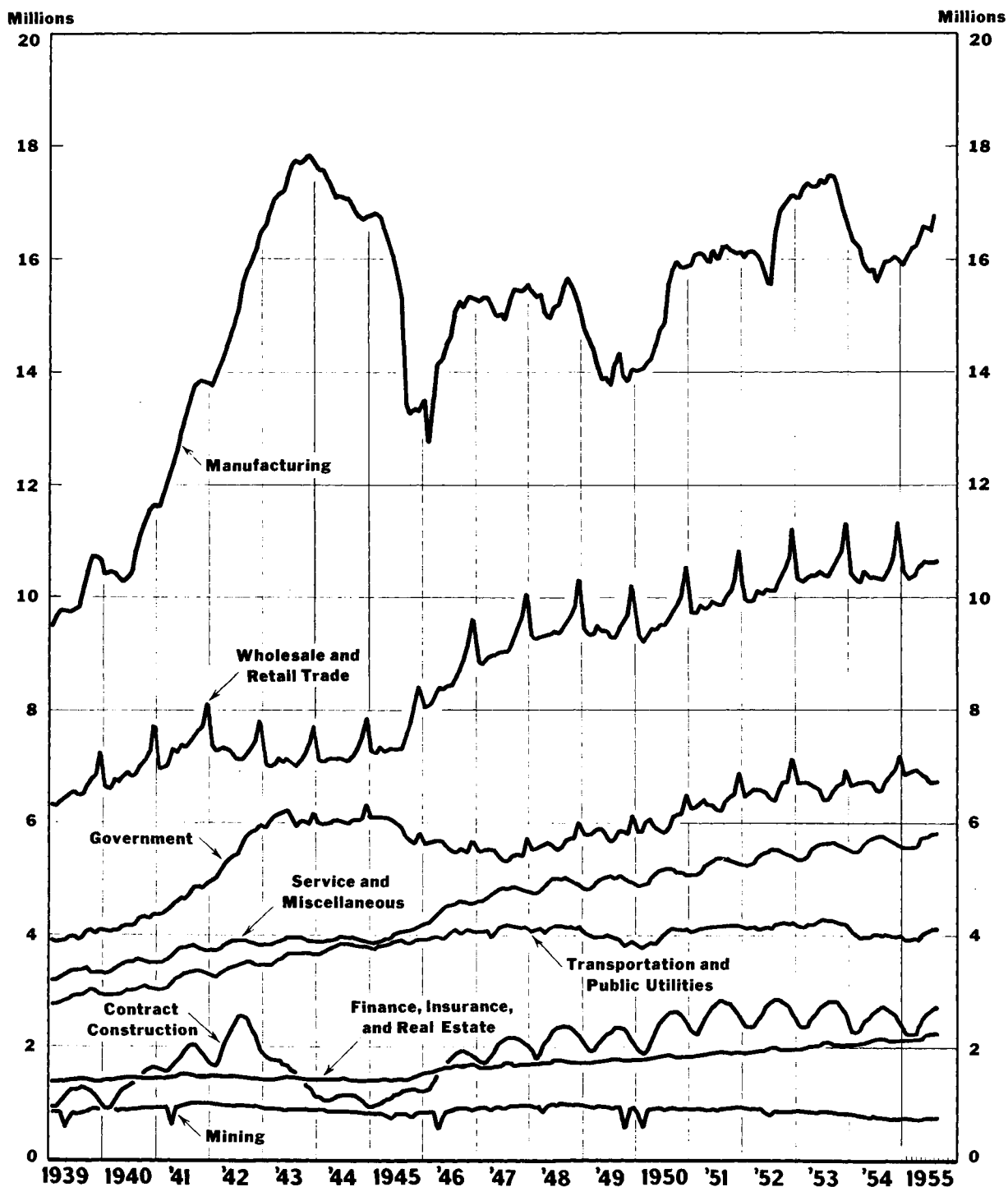
Industry	1953 (millions)	1950 (millions)	Percent Increase
All industries	\$10,621	\$7,041	50.8
Food.....	1,469	1,329	10.5
Textiles	55	47	15.8
Apparel.....	313	253	23.7
Lumber.....	1,361	1,185	4.8
Furniture.....	180	129	40.0
Paper.....	443	318	39.2
Printing.....	473	393	20.6
Chemicals.....	523	449	16.5
Petroleum.....	273	221	23.9
Stone, clay, and glass....	332	240	38.1
Primary metals.....	576	408	41.2
Fabricated metals.....	685	431	58.8
Machinery.....	684	349	96.4
Electrical machinery....	464	135	244.2
Transportation equipment.	2,232	840	165.8
Instruments	78	54	45.5
Rubber.....	155	n.a.	n.a.

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.

EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS BY MAJOR INDUSTRY DIVISION



UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

AUGUST 1955 DATA: Preliminary

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

(In thousands)

Year and month	TOTAL	Mining	Contract con- struction	Manufac- turing	Transpor- tation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscel- laneous	Govern- ment
<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	874	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: July.....	47,866	760	2,686	15,584	4,029	10,351	2,150	5,755	6,551
August.....	48,123	763	2,735	15,822	4,018	10,321	2,151	5,750	6,563
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	7,166
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.....	49,864	759	2,733	16,819	4,134	10,643	2,240	5,819	6,717

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
	Aug.	July	Aug.	Aug.	July	Aug.
TOTAL	49,864	49,420	48,123	-	-	-
MINING	759	749	763	-	-	-
METAL MINING	94.4	90.0	99.1	79.5	75.4	84.9
Iron mining.....	36.2	35.8	35.1	31.6	31.3	30.4
Copper mining.....	22.1	18.0	28.3	17.2	13.5	24.2
Lead and zinc mining.....	16.3	16.2	16.3	14.0	13.8	13.8
ANTHRACITE	35.4	34.5	34.5	32.4	31.0	29.4
BITUMINOUS-COAL	210.2	208.5	215.2	192.2	190.8	196.5
CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION	310.0	308.3	306.3	-	-	-
Petroleum and natural-gas production (except contract services).....	-	-	-	130.1	129.7	135.7
NONMETALLIC MINING AND QUARRYING	108.9	107.5	107.6	93.5	91.8	92.1
CONTRACT CONSTRUCTION	2,733	2,701	2,735	-	-	-
NONBUILDING CONSTRUCTION	573	567	584	-	-	-
Highway and street.....	278.5	272.3	268.4	-	-	-
Other nonbuilding construction.....	294.4	295.1	315.5	-	-	-
BUILDING CONSTRUCTION	2,160	2,134	2,151	-	-	-
GENERAL CONTRACTORS	863.6	855.5	915.2	-	-	-
SPECIAL-TRADE CONTRACTORS	1,296.7	1,278.8	1,236.2	-	-	-
Plumbing and heating.....	295.3	289.9	293.1	-	-	-
Painting and decorating.....	165.1	161.5	160.2	-	-	-
Electrical work.....	149.4	150.1	158.6	-	-	-
Other special-trade contractors.....	686.9	677.3	624.3	-	-	-
MANUFACTURING	16,819	16,475	15,822	13,281	12,951	12,418
DURABLE GOODS	9,595	9,511	8,820	7,576	7,499	6,890
NONDURABLE GOODS	7,224	6,964	7,002	5,705	5,452	5,528
ORDNANCE AND ACCESSORIES	131.1	132.3	145.0	88.0	88.6	100.8
FOOD AND KINDRED PRODUCTS	1,703.9	1,603.0	1,677.7	1,248.3	1,150.4	1,238.1
Meat products.....	330.3	328.1	321.2	259.1	257.4	250.7
Dairy products.....	131.3	132.9	126.3	88.6	89.9	84.7
Canning and preserving.....	361.2	265.2	351.3	326.9	232.5	319.6
Grain-mill products.....	122.6	123.0	125.3	89.0	89.1	92.2
Bakery products.....	289.2	289.9	286.0	172.2	174.2	174.2
Sugar.....	29.1	27.4	31.4	23.7	22.0	26.0
Confectionery and related products....	76.1	71.2	79.2	62.4	57.7	65.0
Beverages.....	223.1	224.3	218.6	127.1	128.6	126.8
Miscellaneous food products.....	141.0	141.0	138.4	99.3	99.0	98.9
TOBACCO MANUFACTURES	113.7	86.8	110.4	105.8	79.1	102.0
Cigarettes.....	33.2	33.0	31.9	30.4	30.1	29.2
Cigars.....	38.1	36.5	39.9	36.4	34.8	37.9
Tobacco and snuff.....	7.4	7.1	7.7	6.4	6.0	6.7
Tobacco stemming and redrying.....	35.0	10.2	30.9	32.6	8.2	28.2

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
	Aug.	July	Aug.	Aug.	July	Aug.
TEXTILE-MILL PRODUCTS.....	1,074.7	1,045.6	1,066.8	982.3	953.5	973.6
Scouring and combing plants.....	6.6	6.4	7.6	6.1	5.8	7.0
Yarn and thread mills.....	131.2	127.6	126.9	121.5	118.2	117.4
Broad-woven fabric mills.....	467.8	456.5	468.2	440.6	429.2	439.7
Narrow fabrics and smallwares.....	31.2	30.7	29.9	27.0	26.5	26.1
Knitting mills.....	222.4	214.0	222.4	202.2	193.6	201.7
Dyeing and finishing textiles.....	88.3	86.1	86.5	77.0	74.9	75.6
Carpets, rugs, other floor coverings.....	49.8	48.7	50.2	42.0	40.9	41.7
Hats (except cloth and millinery.....	12.7	11.9	13.6	11.3	10.5	12.1
Miscellaneous textile goods.....	64.7	63.7	61.5	54.6	53.9	52.3
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....	1,229.4	1,152.1	1,180.9	1,100.7	1,025.1	1,054.2
Men's and boys' suits and coats.....	123.4	110.4	124.0	111.7	98.9	111.5
Men's and boys' furnishings and work clothing.....	323.5	308.5	296.5	299.5	284.0	273.4
Women's outerwear.....	364.9	337.7	356.9	323.3	297.0	317.0
Women's, children's under garments.....	117.1	111.8	110.5	104.9	99.5	97.5
Millinery.....	21.7	18.5	21.8	19.3	16.1	19.4
Children's outerwear.....	72.1	70.8	72.1	65.4	64.2	65.8
Fur goods.....	10.9	11.3	11.7	8.4	9.0	8.9
Miscellaneous apparel and accessories....	65.4	56.8	62.2	59.1	50.5	55.8
Other fabricated textile products.....	130.4	126.3	125.2	109.1	105.9	104.9
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....	799.3	788.1	658.2	730.4	720.1	591.5
Logging camps and contractors.....	122.1	123.6	81.0	115.1	117.2	74.7
Sawmills and planing mills.....	421.9	415.7	353.9	392.9	386.7	325.4
Millwork, plywood, and prefabricated structural wood products.....	145.6	139.7	117.3	122.9	117.7	96.3
Wooden containers.....	51.5	52.3	52.7	47.6	48.1	48.4
Miscellaneous wood products.....	58.2	56.8	53.3	51.9	50.4	46.7
FURNITURE AND FIXTURES.....	370.0	353.2	344.4	314.0	297.5	290.1
Household furniture.....	260.5	248.4	243.4	227.5	215.4	211.3
Office, public-building, and professional furniture.....	43.6	42.1	41.5	35.3	34.0	33.4
Partitions, shelving, lockers, and fixtures.....	37.9	36.0	33.4	29.6	27.7	25.3
Screens, blinds, and miscellaneous furniture and fixtures.....	28.0	26.7	26.1	21.6	20.4	20.1
PAPER AND ALLIED PRODUCTS.....	556.0	546.8	532.0	457.6	448.4	439.3
Pulp, paper, and paperboards mills.....	273.7	271.2	263.3	228.5	226.8	222.2
Paperboard containers and boxes.....	152.8	148.3	145.1	126.0	121.0	119.1
Other paper and allied products.....	129.5	127.3	123.6	103.1	100.6	98.0
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....	810.1	807.7	793.8	519.4	518.1	509.1
Newspapers.....	297.6	297.6	291.4	146.4	146.7	144.0
Periodicals.....	61.5	60.8	60.6	25.5	25.2	25.0
Books.....	48.5	48.5	48.6	29.5	29.5	29.5
Commercial printing.....	212.9	213.1	205.5	172.4	172.8	166.7
Lithographing.....	59.8	59.1	59.6	45.4	44.5	45.6
Greeting cards.....	19.5	18.8	19.3	14.7	14.1	14.3
Bookbinding and related industries.....	43.5	43.2	43.4	34.9	34.8	34.4
Miscellaneous publishing and printing services.....	66.8	66.6	65.4	50.6	50.5	49.6

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
	Aug.	July	Aug.	Aug.	July	Aug.
CHEMICALS AND ALLIED PRODUCTS.....	812.0	808.9	779.9	544.6	542.3	520.0
Industrial inorganic chemicals.....	108.4	107.9	102.3	76.4	76.2	72.2
Industrial organic chemicals.....	314.6	313.2	295.8	220.1	218.9	201.1
Drugs and medicines.....	92.2	93.0	92.0	55.0	56.1	56.5
Soap, cleaning and polishing preparations.....	50.8	50.1	50.5	30.6	30.1	30.7
Paints, pigments, and fillers.....	73.2	73.3	70.5	46.8	46.6	44.4
Gum and wood chemicals.....	8.1	8.1	7.2	7.0	6.9	6.1
Fertilizers.....	29.5	29.7	31.7	20.8	20.7	23.2
Vegetable and animal oils and fats.....	38.6	37.9	38.5	26.0	25.3	26.8
Miscellaneous chemicals.....	96.6	95.7	91.4	61.9	61.5	59.0
PRODUCTS OF PETROLEUM AND COAL.....	256.4	256.1	255.8	177.3	177.2	179.3
Petroleum refining.....	204.4	204.1	206.0	135.3	135.1	139.1
Coke, other petroleum and coal products..	52.0	52.0	49.8	42.0	42.1	40.2
RUBBER PRODUCTS.....	276.0	273.9	226.9	217.9	215.7	174.9
Tires and inner tubes.....	118.4	118.7	89.2	91.8	91.5	65.9
Rubber footwear.....	27.7	27.2	25.8	22.1	21.8	20.5
Other rubber products.....	129.9	128.0	111.9	104.0	102.4	88.5
LEATHER AND LEATHER PRODUCTS.....	392.1	382.6	377.5	351.4	341.7	337.9
Leather: tanned, curried, and finished...	43.6	43.1	42.9	39.2	38.8	38.5
Industrial leather belting and packing...	5.0	4.9	4.4	3.8	3.7	3.4
Boot and shoe cut stock and findings....	16.9	16.5	15.8	15.1	14.8	14.1
Footwear (except rubber).....	253.8	250.0	248.4	229.7	225.0	223.8
Luggage.....	19.7	18.8	17.3	17.1	16.3	14.9
Handbags and small leather goods.....	33.1	30.3	31.1	29.2	26.6	27.9
Gloves and miscellaneous leather goods...	20.0	19.0	17.6	17.3	16.5	15.3
STONE, CLAY, AND GLASS PRODUCTS.....	557.8	547.8	516.6	469.5	460.3	433.5
Flat glass.....	32.1	32.2	27.9	28.9	28.8	24.7
Glass and glassware, pressed or blown...	92.7	89.6	89.4	78.8	75.7	76.2
Glass products made of purchased glass...	17.3	16.4	15.9	14.7	13.9	13.7
Cement, hydraulic.....	44.4	44.4	42.8	37.4	37.3	36.0
Structural clay products.....	83.4	82.8	77.5	74.5	74.2	68.8
Pottery and related products.....	53.2	51.3	50.8	47.1	45.4	45.0
Concrete, gypsum, and plaster products...	117.5	115.6	107.4	96.7	95.1	88.2
Cut-stone and stone products.....	20.9	20.3	20.1	18.3	17.8	17.8
Miscellaneous nonmetallic mineral products.....	96.3	95.2	84.8	73.1	72.1	63.1
PRIMARY METAL INDUSTRIES.....	1,323.7	1,302.7	1,160.7	1,118.9	1,098.0	967.3
Blast furnaces, steel works, and rolling mills.....	659.5	652.8	570.9	567.2	559.6	483.5
Iron and steel foundries.....	244.3	239.9	209.2	214.8	210.3	181.3
Primary smelting and refining of nonferrous metals.....	66.7	56.2	63.7	53.3	43.5	52.3
Secondary smelting and refining of nonferrous metals.....	12.9	11.6	12.3	9.8	8.6	9.1
Rolling, drawing, and alloying of nonferrous metals.....	107.8	110.2	100.7	85.4	87.7	79.7
Nonferrous foundries.....	83.4	83.4	71.3	68.9	68.9	56.3
Miscellaneous primary metal industries...	149.1	148.6	132.6	119.5	119.4	105.1

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
	Aug.	July	Aug.	Aug.	July	Aug.
FABRICATED METAL PRODUCTS (EXCEPT ORD- NANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....	1,093.1	1,077.5	1,026.6	879.4	862.9	820.0
Tin cans and other tinware.....	64.5	62.6	63.2	57.1	55.1	55.8
Cutlery, hand tools, and hardware.....	144.9	145.1	137.7	118.1	118.1	111.0
Heating apparatus (except electric) and plumbers' supplies.....	134.1	128.2	126.7	105.2	99.8	99.5
Fabricated structural metal products.....	287.4	283.8	279.7	217.3	213.5	212.4
Metal stamping, coating, and engraving...	214.0	212.8	196.8	178.8	177.2	162.2
Lighting fixtures.....	46.3	45.2	41.1	37.3	36.1	32.3
Fabricated wire products.....	62.9	62.6	55.5	52.1	51.8	45.5
Miscellaneous fabricated metal products..	139.0	137.2	125.9	113.5	111.3	101.3
MACHINERY (EXCEPT ELECTRICAL).....	1,566.9	1,573.5	1,497.2	1,151.8	1,159.5	1,094.5
Engines and turbines.....	79.5	80.7	72.2	56.9	57.8	50.4
Agricultural machinery and tractors.....	153.7	164.2	140.3	111.3	122.0	99.8
Construction and mining machinery.....	133.4	130.6	122.9	97.3	94.6	88.4
Metalworking machinery.....	258.9	258.0	258.6	198.1	196.9	197.0
Special-industry machinery (except metalworking machinery).....	180.7	179.3	175.6	127.4	126.8	124.8
General industrial machinery.....	233.4	233.2	227.5	155.6	155.8	152.2
Office and store machines and devices....	104.8	105.5	101.9	80.7	81.5	80.4
Service-industry and household machines..	169.7	173.0	164.0	126.9	130.6	120.3
Miscellaneous machinery parts.....	252.8	249.0	234.2	197.6	193.5	181.2
ELECTRICAL MACHINERY.....	1,140.5	1,108.2	1,060.5	832.7	802.0	766.3
Electrical generating, transmission, distribution, and industrial apparatus..	374.8	367.8	355.7	262.5	255.7	244.5
Electrical appliances.....	68.3	66.1	61.8	54.9	52.8	49.3
Insulated wire and cable.....	25.1	25.4	23.4	19.6	20.0	18.5
Electrical equipment for vehicles.....	76.0	76.2	64.6	61.0	61.7	50.3
Electric lamps.....	26.0	26.0	24.5	22.6	22.7	21.2
Communication equipment.....	521.7	499.4	483.7	375.6	353.8	347.7
Miscellaneous electrical products.....	48.6	47.3	46.8	36.5	35.3	34.8
TRANSPORTATION EQUIPMENT.....	1,821.2	1,854.9	1,649.3	1,383.4	1,419.9	1,238.4
Automobiles.....	890.7	921.2	713.7	726.2	760.5	562.0
Aircraft and parts.....	740.4	742.3	754.4	501.0	501.7	528.1
Aircraft.....	481.6	481.9	474.9	326.5	326.2	332.9
Aircraft engines and parts.....	140.2	140.7	146.5	88.7	89.1	96.4
Aircraft propellers and parts.....	13.1	13.2	16.5	8.7	8.9	11.7
Other aircraft parts and equipment.....	105.5	106.5	116.5	77.1	77.5	87.1
Ship and boat building and repairing.....	122.0	125.0	119.9	105.0	107.9	103.3
Shipbuilding and repairing.....	99.8	102.0	100.6	85.9	87.9	86.8
Boatbuilding and repairing.....	22.2	23.0	19.3	19.1	20.0	16.5
Railroad equipment.....	57.7	56.7	50.8	42.6	41.9	36.2
Other transportation equipment.....	10.4	9.7	10.5	8.6	7.9	8.8
INSTRUMENTS AND RELATED PRODUCTS.....	315.1	314.8	305.1	219.5	218.6	213.8
Laboratory, scientific, and engineering instruments.....	50.0	50.1	47.9	29.1	29.3	27.9
Mechanical measuring and controlling instruments.....	86.4	86.0	80.6	61.2	60.6	56.6
Optical instruments and lenses.....	12.6	12.9	13.3	9.7	9.9	10.6
Surgical, medical, and dental instruments.....	40.8	40.6	39.6	28.3	28.0	27.3
Ophthalmic goods.....	24.2	24.1	22.7	19.3	19.1	18.0
Photographic apparatus.....	67.4	68.0	66.7	44.5	44.7	45.0
Watches and clocks.....	33.7	33.1	34.3	27.4	27.0	28.4

Industry Employment

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

Industry	(In thousands)					
	All employees			Production workers		
	1955	1954	1954	1955	1954	1954
	Aug.	July	Aug.	Aug.	July	Aug.
MISCELLANEOUS MANUFACTURING INDUSTRIES...	476.3	457.6	456.3	388.2	371.7	373.3
Jewelry, silverware, and plated ware....	52.5	48.7	51.7	42.2	38.7	41.8
Musical instruments and parts.....	17.8	17.5	16.6	15.2	14.8	14.2
Toys and sporting goods.....	92.3	88.5	84.9	78.2	74.6	71.2
Pens, pencils, other office supplies....	29.8	29.2	29.2	22.1	21.5	21.9
Costume jewelry, buttons, notions.....	66.0	62.7	64.6	54.7	51.6	54.2
Fabricated plastics products.....	76.1	73.5	68.0	61.4	59.3	55.0
Other manufacturing industries.....	141.8	137.5	141.3	114.4	111.2	115.0
TRANSPORTATION AND PUBLIC UTILITIES.....	4,134	4,113	4,018	-	-	-
TRANSPORTATION.....	2,765	2,749	2,686	-	-	-
Interstate railroads.....	1,242.5	1,239.7	1,220.2	-	-	-
Class I railroads.....	1,093.3	1,090.8	1,070.7	-	-	-
Local railways and bus lines.....	113.0	112.4	125.5	-	-	-
Trucking and warehousing.....	773.2	762.0	715.7	-	-	-
Other transportation and services.....	636.0	634.4	624.5	-	-	-
Bus lines, except local.....	45.5	45.8	45.9	-	-	-
Air transportation (common carrier)....	117.0	116.2	104.5	-	-	-
COMMUNICATION.....	773	770	744	-	-	-
Telephone.....	731.0	727.4	702.7	-	-	-
Telegraph.....	41.6	42.0	40.9	-	-	-
OTHER PUBLIC UTILITIES.....	596	594	588	-	-	-
Gas and electric utilities.....	572.0	570.8	565.1	-	-	-
Electric light and power utilities.....	254.8	254.5	252.4	-	-	-
Gas utilities.....	145.4	144.4	142.0	-	-	-
Electric light and gas utilities combined.....	171.8	171.9	170.7	-	-	-
Local utilities, not elsewhere classified.....	23.5	23.4	23.1	-	-	-
WHOLESALE AND RETAIL TRADE.....	10,643	10,633	10,321	-	-	-
WHOLESALE TRADE.....	2,864	2,858	2,784	-	-	-
RETAIL TRADE.....	7,779	7,775	7,537	-	-	-
General merchandise stores.....	1,316.7	1,313.4	1,280.3	-	-	-
Food and liquor stores.....	1,498.7	1,505.7	1,434.4	-	-	-
Automotive and accessories dealers.....	787.7	784.9	760.1	-	-	-
Apparel and accessories stores.....	540.3	552.8	535.4	-	-	-
Other retail trade.....	3,635.1	3,618.4	3,526.5	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE.....	2,240	2,237	2,151	-	-	-
Banks and trust companies.....	561.3	560.7	538.0	-	-	-
Security dealers and exchanges.....	80.2	79.4	69.2	-	-	-
Insurance carriers and agents.....	802.0	798.6	779.9	-	-	-
Other finance agencies and real estate...	796.1	798.7	763.6	-	-	-
SERVICE AND MISCELLANEOUS.....	5,819	5,816	5,750	-	-	-
Hotels and lodging places.....	575.3	574.2	578.9	-	-	-
Personal services:						
Laundries.....	338.4	339.0	332.2	-	-	-
Cleaning and dyeing plants.....	151.3	155.7	155.8	-	-	-
Motion pictures.....	239.5	239.9	239.7	-	-	-
GOVERNMENT.....	6,717	6,696	6,563	-	-	-
FEDERAL.....	2,190	2,187	2,157	-	-	-
STATE AND LOCAL.....	4,527	4,509	4,406	-	-	-

**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)	
<u>Annual average:</u>			
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: July.....	12,179	98.5	131.9
Aug.....	12,418	100.4	134.8
Sept.....	12,577	101.7	138.0
Oct.....	12,612	102.0	139.1
Nov.....	12,657	102.3	142.2
Dec.....	12,645	102.2	143.1
1955: Jan.....	12,523	101.2	141.5
Feb.....	12,649	102.3	144.4
Mar.....	12,778	103.3	146.6
Apr.....	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
Aug.....	13,281	107.4	154.8

Shipyards

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

(In thousands)

Region <u>1/</u>	1955		1954
	August	July	August
ALL REGIONS.....	207.8	209.8	208.3
PRIVATE YARDS.....	99.8	102.0	100.6
NAVY YARDS.....	108.0	107.8	107.7
NORTH ATLANTIC.....	88.2	88.2	86.7
Private yards.....	40.8	40.8	39.1
Navy yards <u>2/</u>	47.4	47.4	47.6
SOUTH ATLANTIC.....	36.6	36.6	37.4
Private yards.....	15.6	15.8	17.4
Navy yards.....	21.0	20.8	20.0
GULF:			
Private yards.....	22.9	23.0	22.4
PACIFIC.....	51.4	53.0	52.8
Private yards.....	11.8	13.4	12.7
Navy yards.....	39.6	39.6	40.1
GREAT LAKES:			
Private yards.....	3.0	3.5	4.8
INLAND:			
Private yards.....	5.7	5.5	4.2

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
	August	July	August
TOTAL FEDERAL CIVILIAN EMPLOYMENT ^{1/}	2,190	2,187	2,157
Executive ^{2/}	2,164.5	2,161.3	2,130.9
Department of Defense.....	1,040.0	1,036.4	1,020.6
Post Office Department.....	510.2	510.6	505.7
Other agencies.....	614.2	614.3	604.6
Legislative.....	21.5	21.6	22.0
Judicial.....	4.1	4.0	4.0
District of Columbia ^{3/}	231.9	232.4	227.3
Executive ^{2/}	211.5	211.9	206.4
Department of Defense.....	90.9	91.1	87.0
Post Office Department.....	8.6	8.5	8.8
Other agencies.....	112.2	112.3	110.6
Legislative.....	19.7	19.8	20.2
Judicial.....	.7	.7	.7
TOTAL MILITARY PERSONNEL ^{4/}	2,972	2,969	3,318
Army.....	1,123.8	1,120.5	1,394.9
Air Force.....	958.3	956.1	958.3
Navy.....	659.0	659.9	714.1
Marine Corps.....	201.9	203.7	222.0
Coast Guard.....	29.0	28.7	28.9

^{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.

State Employment

**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
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	660.3	674.9	653.8	11.4	16.0	15.4	34.1	33.9	31.9
Arizona.....	209.9	208.6	197.3	13.4	11.1	13.6	15.7	16.2	16.4
Arkansas. 1/.....	313.7	312.8	306.2	6.3	6.3	6.6	17.3	17.0	17.1
California.....	4,103.7	4,030.6	3,911.1	38.1	37.9	36.5	290.3	283.0	260.9
Colorado.....	425.2	422.8	409.7	14.6	14.4	13.4	27.2	26.8	26.8
Connecticut.....	860.8	853.4	843.6	(2/)	(2/)	(2/)	49.3	49.5	43.0
Delaware.....	-	-	-	-	-	-	-	-	-
District of Columbia.....	494.2	493.3	491.2	(3/)	(3/)	(3/)	18.9	18.1	19.3
Florida.....	851.9	845.1	819.8	5.2	4.4	7.4	87.7	84.4	84.8
Georgia.....	935.4	923.2	884.6	4.7	4.7	4.6	57.3	57.1	46.6
Idaho.....	139.6	137.8	140.6	4.5	4.4	4.7	10.6	10.1	10.7
Illinois.....	3,330.0	3,314.2	3,265.0	30.5	30.1	31.8	176.9	175.2	180.2
Indiana.....	1,386.1	1,370.1	1,284.6	10.3	10.4	10.4	79.4	77.1	64.3
Iowa.....	635.9	631.4	623.2	3.4	3.3	3.0	38.8	38.5	36.8
Kansas. 1/.....	546.9	547.6	546.3	19.1	18.9	18.8	41.6	40.0	40.8
Kentucky.....	-	-	-	37.1	36.6	36.8	-	-	-
Louisiana.....	693.9	690.5	691.4	39.3	39.5	36.3	47.8	47.4	55.6
Maine.....	280.3	280.1	277.2	.5	.6	.5	15.6	15.8	14.7
Maryland.....	820.5	815.2	796.7	2.2	2.2	2.2	66.8	66.0	63.4
Massachusetts.....	1,798.6	1,782.4	1,770.5	(3/)	(3/)	(3/)	87.1	86.7	76.6
Michigan.....	2,340.1	2,368.3	2,217.9	15.3	15.1	16.6	111.8	106.7	127.5
Minnesota.....	880.0	870.9	864.8	18.1	17.8	18.5	71.6	67.9	61.7
Mississippi.....	345.1	343.1	334.5	3.0	3.1	2.9	19.1	18.9	17.3
Missouri.....	1,266.3	1,262.4	1,243.0	9.1	8.8	8.9	75.3	76.3	73.0
Montana.....	164.0	162.4	161.4	10.9	11.1	11.1	12.6	11.7	12.5
Nebraska.....	(4/)	352.3	346.9	(4/)	1.8	1.9	(4/)	25.5	24.0
Nevada. 1/.....	89.1	88.9	80.7	3.9	3.8	4.9	10.6	10.4	10.0
New Hampshire. 1/.....	185.4	185.1	181.2	.3	.3	.2	10.4	10.7	10.3
New Jersey.....	1,810.3	1,793.9	1,775.7	4.8	4.8	4.4	110.1	108.2	101.8
New Mexico. 1/.....	180.9	180.4	175.4	13.2	13.3	13.2	16.0	16.0	14.7
New York.....	5,890.4	5,834.4	5,860.7	10.9	10.9	11.6	249.9	248.0	254.3
North Carolina.....	1,013.8	994.7	988.0	4.0	4.0	3.9	48.0	48.1	49.5
North Dakota.....	118.7	117.8	119.4	2.2	2.1	2.1	12.7	12.2	14.0
Ohio.....	3,053.7	3,037.1	2,907.2	22.3	22.1	21.1	165.8	163.5	167.3
Oklahoma.....	547.6	548.3	533.5	50.9	50.5	50.8	32.8	33.5	33.9
Oregon.....	494.3	484.1	456.0	1.8	1.7	1.4	29.8	27.7	26.6
Pennsylvania.....	3,679.3	3,665.3	3,594.7	95.2	95.0	97.9	200.8	203.4	191.9
Rhode Island.....	297.8	290.6	286.7	(3/)	(3/)	(3/)	18.3	17.9	16.1
South Carolina.....	523.1	514.5	505.1	1.1	1.0	1.0	39.4	38.7	39.7
South Dakota. 1/.....	125.5	126.6	125.2	2.4	2.5	2.5	9.9	10.3	12.2
Tennessee.....	836.3	830.6	817.0	9.6	9.6	9.2	55.0	55.4	60.6
Texas.....	2,271.4	2,258.5	2,192.5	128.6	128.0	125.8	170.6	170.4	156.3
Utah.....	221.1	220.9	214.0	10.7	10.5	13.1	16.9	16.5	13.9
Vermont.....	104.3	103.4	102.8	1.4	1.4	1.4	5.4	5.4	5.2
Virginia.....	904.1	897.9	877.5	16.0	15.9	14.4	63.0	62.4	62.4
Washington.....	766.2	762.2	718.1	2.3	2.2	2.3	52.3	51.6	51.9
West Virginia.....	480.8	472.1	458.6	74.3	74.0	72.5	23.7	21.2	21.6
Wisconsin.....	1,111.5	1,112.0	1,068.7	4.3	4.2	4.2	65.7	63.5	57.2
Wyoming. 1/.....	89.9	89.9	92.8	8.4	8.4	9.8	7.1	7.2	7.9

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
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	222.8	234.0	222.0	48.7	48.9	49.1	137.9	137.2	135.3
Arizona.....	31.6	31.4	26.2	21.0	21.0	19.6	52.4	52.5	49.4
Arkansas.....	85.4	85.0	80.2	29.4	29.2	29.6	74.6	74.9	73.5
California.....	1,157.3	1,099.1	1,090.6	343.4	339.1	331.5	913.0	909.3	883.6
Colorado.....	66.3	64.7	64.1	45.4	45.4	43.5	114.6	114.5	110.9
Connecticut.....	410.1	406.9	407.0	42.7	37.3	42.6	144.1	145.2	145.1
Delaware.....	63.2	60.5	60.0	-	-	-	-	-	-
District of Columbia.....	16.0	16.0	16.2	25.8	26.6	29.6	90.7	90.8	89.7
Florida.....	124.5	123.0	119.6	76.6	76.5	74.9	249.4	248.5	238.5
Georgia.....	329.2	323.8	306.2	69.6	69.3	67.2	207.0	200.1	203.7
Idaho.....	27.2	26.9	28.1	16.1	15.9	15.9	34.8	34.4	35.1
Illinois.....	1,262.3	1,243.3	1,197.5	301.0	300.3	297.3	689.4	690.9	694.3
Indiana.....	620.6	606.8	550.3	101.6	101.4	98.6	282.7	282.4	273.7
Iowa.....	168.8	165.1	163.4	58.7	59.2	58.7	170.5	170.0	170.1
Kansas.....	122.4	124.5	132.9	66.3	66.4	64.5	134.1	134.4	130.0
Kentucky.....	167.3	158.7	148.7	57.1	57.0	57.0	124.5	124.0	125.1
Louisiana.....	149.6	149.4	150.9	81.9	80.5	81.8	163.5	162.9	163.1
Maine.....	112.8	112.7	112.3	20.6	20.1	20.4	54.1	54.2	53.8
Maryland.....	266.3	260.9	259.1	74.9	74.3	75.4	166.5	167.4	161.3
Massachusetts.....	683.8	669.4	674.3	118.4	113.4	117.9	370.9	373.7	370.8
Michigan.....	1,091.7	1,126.0	991.6	151.6	151.2	143.8	452.9	453.1	438.2
Minnesota.....	213.0	210.5	211.1	91.6	90.7	91.5	219.5	218.2	216.9
Mississippi.....	99.6	99.4	96.4	26.7	26.4	27.1	83.4	82.9	81.9
Missouri.....	390.7	383.5	376.6	127.2	127.8	125.8	305.9	307.6	310.9
Montana.....	20.2	20.1	19.7	23.0	23.0	22.6	41.7	41.0	40.7
Nebraska.....	(4/)	58.3	58.1	(4/)	43.7	43.3	(4/)	94.2	93.6
Nevada.....	5.1	5.1	5.1	9.8	9.9	9.1	19.1	19.0	17.1
New Hampshire.....	82.5	81.1	79.7	10.9	10.9	10.9	33.2	33.4	32.8
New Jersey.....	785.2	768.7	771.6	145.4	145.1	146.3	319.8	321.2	316.2
New Mexico.....	17.8	17.8	17.1	19.0	19.0	18.3	41.8	41.4	40.2
New York.....	1,893.5	1,829.9	1,906.9	487.9	487.3	483.4	1,264.4	1,274.7	1,255.5
North Carolina.....	453.7	435.4	435.7	60.3	59.8	59.5	199.4	198.8	197.7
North Dakota.....	6.9	6.9	6.9	14.5	14.4	14.3	37.6	37.2	37.8
Ohio.....	1,342.8	1,333.5	1,243.1	229.9	227.1	218.2	584.3	582.5	573.5
Oklahoma.....	91.2	90.5	83.8	50.4	50.4	49.4	131.4	132.5	131.4
Oregon.....	161.3	154.6	133.3	48.5	48.0	46.5	109.3	108.9	107.8
Pennsylvania.....	1,476.4	1,458.0	1,423.8	320.9	316.9	310.3	681.4	683.2	678.3
Rhode Island.....	132.7	127.6	128.9	15.7	14.5	15.8	53.2	53.5	52.2
South Carolina.....	229.0	223.4	219.4	25.1	24.8	25.2	99.5	98.5	95.9
South Dakota.....	11.9	11.9	11.8	10.3	10.4	10.3	39.9	39.6	40.0
Tennessee.....	287.6	283.0	273.9	58.7	58.7	58.0	183.9	182.6	181.1
Texas.....	442.8	435.7	426.8	227.0	224.9	223.3	606.0	604.4	587.1
Utah.....	32.8	34.3	32.2	23.2	23.1	22.9	52.7	51.9	51.2
Vermont.....	37.1	36.1	36.3	8.4	8.3	8.6	19.8	19.8	19.6
Virginia.....	249.1	244.4	242.1	84.2	84.1	79.4	198.2	198.0	193.8
Washington.....	212.7	209.2	175.5	66.3	65.4	64.6	168.6	171.1	165.8
West Virginia.....	135.6	130.7	125.2	51.9	51.5	49.5	82.5	82.3	80.7
Wisconsin.....	464.9	466.2	438.2	78.1	78.4	77.8	227.8	229.1	227.3
Wyoming.....	6.5	6.5	6.7	15.8	15.7	15.6	19.7	19.7	20.2

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
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	23.7	23.7	22.3	59.3	59.6	59.6	122.4	121.6	118.2
Arizona.....	8.6	8.7	7.7	26.1	26.4	24.6	41.1	41.3	39.8
Arkansas. 1/.....	9.8	9.7	9.2	34.9	34.6	35.5	56.0	56.1	54.5
California.....	187.8	186.7	178.6	520.7	522.0	501.4	653.1	653.5	628.0
Colorado.....	18.9	18.8	17.6	57.4	56.9	56.3	80.8	81.3	77.1
Connecticut.....	46.5	46.4	45.0	88.9	89.0	86.1	79.2	79.2	74.9
Delaware.....	-	-	-	-	-	-	13.8	13.8	12.8
District of Columbia. 5/.....	23.3	23.1	23.4	64.7	65.0	65.2	254.8	253.7	247.9
Florida.....	45.3	45.1	43.1	122.3	122.9	118.0	140.9	140.3	133.5
Georgia.....	34.0	33.9	32.3	88.0	88.4	87.7	145.6	145.9	136.3
Idaho.....	4.5	4.5	4.3	16.8	16.6	17.0	25.1	25.0	24.8
Illinois.....	172.3	171.8	171.7	373.4	373.2	368.6	324.2	329.2	323.6
Indiana.....	46.8	46.9	45.0	98.2	98.0	98.4	146.4	147.0	143.8
Iowa.....	27.5	27.6	27.5	71.4	71.1	71.3	97.0	96.7	92.5
Kansas. 1/.....	19.6	19.6	18.9	57.8	57.7	55.9	86.0	86.1	84.5
Kentucky.....	18.8	18.6	18.6	62.5	62.1	62.2	91.8	90.9	86.9
Louisiana.....	25.3	25.3	24.0	78.6	78.1	76.1	107.9	107.4	103.6
Maine.....	7.7	7.7	7.6	28.6	28.7	28.6	40.4	40.3	39.3
Maryland. 5/.....	37.4	37.5	37.1	88.0	88.3	86.1	118.4	118.6	112.1
Massachusetts.....	89.8	90.4	86.9	223.5	224.6	224.5	225.1	224.2	219.5
Michigan.....	70.9	70.7	68.4	208.4	208.7	204.9	237.5	236.9	226.9
Minnesota.....	41.8	41.6	40.5	101.8	101.4	101.3	122.6	122.8	123.4
Mississippi.....	9.5	9.4	9.3	36.3	35.9	35.2	67.5	67.1	64.4
Missouri.....	62.9	63.1	61.4	148.2	148.8	145.5	147.0	146.5	140.9
Montana.....	5.6	5.7	5.2	20.7	20.6	21.0	29.3	29.2	28.6
Nebraska.....	(4/)	19.7	19.1	(4/)	44.4	44.3	64.6	64.7	62.5
Nevada. 1/.....	2.2	2.2	1.9	24.9	24.8	19.8	13.5	13.7	12.8
New Hampshire. 1/.....	5.6	5.6	5.5	23.0	23.7	22.8	19.4	19.4	19.0
New Jersey.....	64.8	64.7	64.2	187.7	189.3	184.8	192.5	191.9	186.4
New Mexico. 1/.....	6.3	6.3	5.9	22.8	22.5	23.6	44.0	44.1	42.4
New York.....	428.3	425.0	422.2	823.4	828.9	816.0	732.1	729.6	710.8
North Carolina.....	30.6	30.9	29.6	91.7	92.2	91.4	126.1	125.5	120.7
North Dakota.....	5.1	5.0	4.8	14.5	14.6	14.2	25.4	25.3	25.3
Ohio.....	100.4	101.3	95.7	280.6	279.9	273.8	327.5	327.1	314.6
Oklahoma.....	21.0	21.1	20.2	55.4	55.6	57.7	114.5	114.2	106.3
Oregon.....	17.7	17.7	17.6	54.1	53.9	53.9	71.8	71.6	68.9
Pennsylvania.....	133.7	134.2	132.7	391.1	394.5	391.0	379.8	380.1	368.8
Rhode Island.....	12.7	12.7	12.2	29.9	29.3	28.5	35.3	35.1	33.0
South Carolina.....	13.5	13.3	12.8	39.7	39.6	39.9	75.8	75.2	71.2
South Dakota. 1/.....	5.1	5.1	5.0	16.6	16.5	16.0	29.6	30.6	27.5
Tennessee.....	29.6	29.6	28.8	88.9	89.0	87.3	123.0	122.7	118.1
Texas.....	102.5	102.5	99.0	270.6	269.4	266.0	323.3	323.2	308.2
Utah.....	8.9	9.2	8.4	25.1	24.7	23.6	50.8	50.7	48.7
Vermont.....	3.2	3.2	3.1	13.3	13.3	12.8	15.7	15.8	15.6
Virginia. 2/.....	38.3	38.1	35.7	92.6	93.1	92.2	162.7	161.9	157.5
Washington.....	32.2	31.8	30.3	86.6	86.2	86.0	145.2	144.7	141.7
West Virginia.....	11.4	11.5	11.4	43.9	43.5	43.0	57.5	57.4	54.7
Wisconsin.....	39.3	39.3	37.9	110.0	110.1	109.4	121.4	121.3	116.7
Wyoming. 1/.....	2.3	2.3	2.1	13.4	13.4	13.8	16.7	16.7	16.7

1/ Revised series; not strictly comparable with previously published data. 2/ Mining combined with construction.
3/ Mining combined with service. 4/ Not available. 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
	Aug.	July	Aug.		Aug.	July	Aug.
ALABAMA				Los Angeles			
<u>Birmingham</u>				Total.....	1,964.4	1,949.4	1,845.4
Total.....	176.3	196.1	188.0	Mining.....	15.1	14.9	14.6
Mining.....	6.6	11.3	11.1	Contract construction..	133.4	130.4	118.8
Contract construction...	13.9	14.0	11.3	Manufacturing.....	689.9	682.1	636.4
Manufacturing.....	48.7	64.0	61.3	Trans. and pub. util....	127.6	125.1	123.5
Trans. and pub. util....	16.3	16.4	16.4	Trade.....	430.7	428.6	413.9
Trade.....	44.4	44.0	42.6	Finance.....	92.5	92.2	87.1
Finance.....	11.6	11.7	10.7	Service.....	265.9	266.4	251.8
Service.....	18.9	18.9	18.8	Government.....	209.3	209.7	199.3
Government.....	15.9	15.9	15.9				
<u>Mobile</u>				Sacramento			
Total.....	80.0	80.2	74.8	Manufacturing.....	14.1	11.1	14.6
Contract construction...	3.9	4.0	1.3				
Manufacturing.....	17.6	17.4	16.4	San Bernardino-			
Trans. and pub. util....	10.8	11.1	10.3	<u>Riverside-Ontario</u>			
Trade.....	17.1	17.0	17.1	Manufacturing.....	28.3	27.7	25.9
Finance.....	2.6	2.6	2.5				
Service 1/.....	8.4	8.4	8.2	San Diego			
Government.....	19.8	19.7	19.2	Total.....	185.2	183.5	180.8
				Mining.....	.2	.2	.2
ARIZONA				Contract construction..	13.1	13.3	12.0
<u>Phoenix</u>				Manufacturing.....	45.8	45.4	46.5
Total.....	101.1	102.9	94.3	Trans. and pub. util....	10.9	10.9	10.9
Mining.....	.1	.3	.2	Trade.....	41.6	41.2	40.8
Contract construction...	8.0	8.5	8.3	Finance.....	7.2	7.2	6.9
Manufacturing.....	17.8	18.2	15.1	Service.....	24.8	23.8	24.7
Trans. and pub. util....	9.5	9.6	8.7	Government.....	41.6	41.5	38.8
Trade.....	29.5	29.8	27.4				
Finance.....	5.8	5.8	5.1	San Francisco-Oakland			
Service.....	12.7	12.9	12.1	Total.....	900.2	885.8	882.2
Government.....	17.7	17.8	17.4	Mining.....	1.4	1.4	1.3
				Contract construction..	64.6	63.1	58.9
<u>Tucson</u>				Manufacturing.....	195.4	184.5	193.8
Total.....	43.6	43.8	39.9	Trans. and pub. util....	101.5	100.8	99.9
Mining.....	1.8	1.9	1.7	Trade.....	201.6	200.2	196.9
Contract construction...	3.3	3.3	3.1	Finance.....	57.1	56.6	56.0
Manufacturing.....	7.2	7.2	4.9	Service.....	111.3	111.3	108.3
Trans. and pub. util....	5.0	5.0	4.9	Government.....	167.3	167.9	167.1
Trade.....	10.3	10.1	9.6				
Finance.....	1.6	1.6	1.5	San Jose			
Service.....	6.5	6.6	6.3	Manufacturing.....	44.6	33.1	39.0
Government.....	7.9	8.1	7.9				
				Stockton			
ARKANSAS				Manufacturing.....	16.5	12.1	16.5
<u>Little Rock-</u>							
<u>N. Little Rock 2/</u>				COLORADO			
Total.....	69.5	69.4	67.1	<u>Denver</u>			
Contract construction...	6.6	6.6	5.2	Total.....	242.7	241.3	235.9
Manufacturing.....	11.9	11.9	11.6	Mining.....	1.5	1.5	1.5
Trans. and pub. util....	7.8	7.8	7.9	Contract construction..	15.9	15.8	17.2
Trade.....	17.1	17.2	17.3	Manufacturing.....	43.0	41.9	42.2
Finance.....	4.6	4.6	4.3	Trans. and pub. util....	28.1	28.0	26.5
Service 1/.....	9.7	9.7	9.5	Trade.....	68.6	68.5	65.8
Government.....	11.8	11.8	11.4	Finance.....	13.4	13.4	12.5
				Service.....	32.8	32.7	32.4
CALIFORNIA				Government.....	39.4	39.5	37.8
<u>Fresno</u>							
Manufacturing.....	14.6	13.1	15.0				

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
	Aug.	July	Aug.		Aug.	July	Aug.
CONNECTICUT				DELAWARE			
<u>Bridgeport</u>				<u>Wilmington</u>			
Total.....	119.3	117.8	115.1	Manufacturing.....	58.8	57.3	52.7
Contract construction 1/.....	6.2	6.1	5.7				
Manufacturing.....	69.2	68.3	65.4	DISTRICT OF COLUMBIA			
Trans. and pub. util.....	5.7	4.9	5.7	<u>Washington</u>			
Trade.....	18.6	18.8	18.9	Total.....	619.2	618.3	614.3
Finance.....	2.6	2.7	2.6	Contract construction....	40.7	40.0	40.8
Service.....	9.5	9.6	9.4	Manufacturing.....	26.4	26.0	26.2
Government.....	7.5	7.5	7.4	Trans. and pub. util.....	38.9	39.6	42.2
				Trade.....	126.2	126.2	124.6
<u>Hartford</u>				Finance.....	31.3	31.4	31.3
Total.....	193.6	194.4	192.6	Service 1/.....	85.6	86.1	86.0
Contract construction 1/.....	10.0	9.9	9.6	Government.....	270.1	269.0	263.2
Manufacturing.....	72.6	74.3	73.3				
Trans. and pub. util.....	7.5	6.3	7.5	FLORIDA			
Trade.....	38.1	38.7	37.7	<u>Jacksonville</u>			
Finance.....	27.6	27.2	27.3	Total.....	116.8	116.5	112.7
Service.....	20.1	20.2	19.8	Contract construction....	8.5	8.7	9.0
Government.....	17.8	17.8	17.5	Manufacturing.....	19.8	19.7	17.5
				Trans. and pub. util.....	14.3	14.2	14.3
<u>New Britain</u>				Trade.....	34.5	34.5	33.9
Total.....	41.4	40.7	40.9	Finance.....	9.7	9.6	8.9
Contract construction 1/.....	1.4	1.4	1.4	Service 1/.....	13.7	13.6	13.5
Manufacturing.....	26.8	26.0	26.5	Government.....	16.4	16.4	15.7
Trans. and pub. util.....	2.0	1.9	2.0				
Trade.....	5.3	5.4	5.3	<u>Miami</u>			
Finance.....	.7	.7	.7	Total.....	222.3	220.5	203.5
Service.....	2.7	2.7	2.7	Contract construction....	25.9	25.0	22.0
Government.....	2.5	2.5	2.3	Manufacturing.....	26.9	27.0	23.9
				Trans. and pub. util.....	28.5	28.1	26.8
<u>New Haven</u>				Trade.....	68.8	68.6	61.1
Total.....	118.8	118.0	119.3	Finance.....	12.4	12.2	12.2
Contract construction 1/.....	6.6	6.3	6.4	Service 1/.....	40.7	40.8	39.2
Manufacturing.....	45.2	45.3	46.4	Government.....	19.3	18.9	18.3
Trans. and pub. util.....	11.8	10.9	11.7				
Trade.....	22.8	22.9	22.8	<u>Tampa-St. Petersburg</u>			
Finance.....	6.3	6.3	5.9	Total.....	123.7	122.4	118.5
Service.....	17.2	17.3	17.6	Contract construction....	13.3	13.1	12.8
Government.....	8.9	9.0	8.5	Manufacturing.....	22.3	21.7	21.9
				Trans. and pub. util.....	10.9	10.8	10.6
<u>Stamford</u>				Trade.....	40.5	40.6	38.3
Total.....	47.3	47.1	48.4	Finance.....	6.3	6.3	6.0
Contract construction 1/.....	3.6	3.6	3.5	Service 1/.....	15.9	15.5	15.5
Manufacturing.....	18.6	18.7	20.7	Government.....	14.6	14.5	13.6
Trans. and pub. util.....	2.6	2.3	2.6				
Trade.....	9.6	9.6	9.2	GEORGIA			
Finance.....	1.8	1.8	1.6	<u>Atlanta</u>			
Service.....	7.5	7.5	7.3	Total.....	317.5	315.1	293.5
Government.....	3.6	3.6	3.5	Contract construction....	21.4	20.6	13.2
				Manufacturing.....	89.0	87.9	78.5
<u>Waterbury</u>				Trans. and pub. util.....	32.3	32.2	30.7
Total.....	64.3	65.9	65.5	Trade.....	81.5	81.2	80.3
Contract construction 1/.....	2.2	2.1	2.1	Finance.....	21.1	21.0	19.9
Manufacturing.....	39.6	41.6	41.7	Service 1/.....	38.0	38.0	37.9
Trans. and pub. util.....	2.6	2.2	2.6	Government.....	34.2	34.2	33.0
Trade.....	9.6	9.6	9.4				
Finance.....	1.4	1.4	1.3				
Service.....	4.3	4.3	4.0				
Government.....	4.7	4.8	4.6				

See footnotes at end of table.

**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
	Aug.	July	Aug.		Aug.	July	Aug.
GEORGIA - Continued				South Bend			
<u>Savannah</u>				Total.....	84.6	84.0	70.8
Total.....	51.4	51.1	50.3	Manufacturing.....	44.2	43.8	33.3
Contract construction....	3.1	3.1	2.8	Trade.....	15.3	15.1	14.6
Manufacturing.....	14.6	14.4	14.3	Other nonmanufacturing..	25.1	25.1	22.9
Trans. and pub. util.....	6.7	6.7	6.5				
Trade.....	13.1	13.0	12.9	IOWA			
Finance.....	1.6	1.6	1.6	<u>Des Moines</u>			
Service 1/.....	6.4	6.4	6.2	Total.....	97.4	96.9	94.6
Government.....	5.9	5.9	6.0	Contract construction..	6.7	6.5	6.6
				Manufacturing.....	22.8	22.6	22.5
IDAHO				Trans. and pub. util....	7.8	8.0	7.7
<u>Boise 2/</u>				Trade.....	26.0	25.8	25.1
Total.....	20.6	20.4	20.5	Finance.....	10.2	10.2	10.0
Contract construction....	1.7	1.6	1.9	Service 1/.....	12.5	12.4	12.3
Manufacturing.....	1.9	1.8	1.9	Government.....	11.5	11.5	10.6
Trans. and pub. util.....	2.2	2.3	2.2				
Trade.....	6.3	6.3	6.2	KANSAS			
Finance.....	1.3	1.3	1.2	<u>Topeka 2/</u>			
Service.....	3.0	2.9	3.0	Total.....	47.2	47.4	44.4
Government.....	4.2	4.2	4.1	Mining.....	.2	.2	.2
				Contract construction..	4.0	3.9	3.1
ILLINOIS				Manufacturing.....	6.2	6.1	4.6
<u>Chicago</u>				Trans. and pub. util....	7.6	7.7	7.6
Total.....	2,503.2	2,495.2	2,449.2	Trade.....	9.5	9.5	9.3
Mining.....	3.6	3.6	3.7	Finance.....	2.4	2.4	2.3
Contract construction....	117.3	115.5	117.0	Service.....	5.8	5.9	5.5
Manufacturing.....	1,002.7	991.3	962.5	Government.....	11.7	12.0	11.9
Trans. and pub. util.....	222.0	221.3	216.1				
Trade.....	510.4	511.5	511.1	<u>Wichita</u>			
Finance.....	142.4	142.9	142.9	Total.....	116.8	117.2	118.7
Service.....	290.3	291.3	283.9	Mining.....	1.3	1.3	1.3
Government.....	214.4	217.9	211.9	Contract construction..	7.6	7.6	7.4
				Manufacturing.....	49.5	50.2	53.2
INDIANA				Trans. and pub. util....	7.8	7.7	7.4
<u>Evansville</u>				Trade.....	24.8	24.7	24.5
Total.....	68.0	68.4	63.5	Finance.....	4.7	4.6	4.6
Manufacturing.....	32.8	33.2	28.6	Service.....	11.8	11.8	11.4
Nonmanufacturing.....	35.2	35.2	34.9	Government.....	9.4	9.4	9.1
<u>Fort Wayne</u>				LOUISIANA			
Total.....	80.6	79.9	77.3	<u>Baton Rouge</u>			
Contract construction....	3.3	3.1	3.6	Contract construction..	5.8	5.7	7.0
Manufacturing.....	37.6	37.4	34.1	Manufacturing.....	19.3	19.4	19.0
Trans. and pub. util.....	7.4	7.3	7.1	Trade.....	12.2	12.1	11.7
Trade.....	17.5	17.3	17.4	Finance.....	2.1	2.1	1.9
Finance.....	3.5	3.5	3.5				
Service 3/.....	11.3	11.3	11.6	<u>New Orleans</u>			
				Total.....	269.2	268.4	269.6
Indianapolis				Mining.....	5.1	5.1	5.1
Total.....	282.4	279.7	260.2	Contract construction..	21.0	21.0	23.0
Contract construction....	11.1	10.4	10.2	Manufacturing.....	51.0	51.6	52.0
Manufacturing.....	110.5	109.3	92.7	Trans. and pub. util....	43.2	42.7	42.8
Trans. and pub. util.....	22.1	21.8	19.7	Trade.....	67.4	66.8	67.2
Trade.....	63.9	63.2	63.2	Finance.....	13.2	13.1	12.9
Finance.....	16.0	16.1	15.5	Service.....	36.1	36.1	35.3
Other nonmanufacturing...	58.8	58.9	58.9	Government.....	32.3	32.2	31.5

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
	Aug.	July	Aug.		Aug.	July	Aug.
MAINE				Springfield-Holyoke			
<u>Lewiston</u>				Total.....	155.1	153.6	153.0
Total.....	28.0	27.9	27.5	Contract construction...	6.3	5.9	5.7
Contract construction...	1.3	1.3	1.2	Manufacturing.....	69.1	67.7	67.1
Manufacturing.....	15.0	14.8	14.7	Trans. and pub. util....	8.7	8.6	8.8
Trans. and pub. util....	1.1	1.1	1.1	Trade.....	30.0	30.3	30.1
Trade.....	5.2	5.2	5.1	Finance.....	6.7	6.7	6.5
Finance.....	.7	.7	.7	Service 1/.....	15.1	15.2	15.1
Service 1/.....	3.7	3.8	3.7	Government.....	19.2	19.2	19.7
Government.....	1.0	1.0	1.0				
<u>Portland</u>				<u>Worcester</u>			
Total.....	53.9	53.4	53.5	Total.....	101.8	101.2	101.2
Contract construction...	3.8	4.0	3.8	Contract construction...	3.1	2.9	3.5
Manufacturing.....	14.0	13.9	14.0	Manufacturing.....	49.4	49.2	47.8
Trans. and pub. util....	6.4	5.9	6.4	Trans. and pub. util....	5.1	4.8	5.2
Trade.....	14.9	14.8	14.6	Trade.....	19.3	19.6	20.2
Finance.....	3.3	3.3	3.2	Finance.....	4.2	4.1	4.2
Service 1/.....	8.1	8.1	8.1	Service 1/.....	9.5	9.5	9.5
Government.....	3.4	3.4	3.4	Government.....	11.2	11.1	10.8
MARYLAND				MICHIGAN			
<u>Baltimore</u>				<u>Detroit</u>			
Total.....	562.8	561.3	546.7	Total.....	1,266.7	1,295.9	1,197.3
Mining.....	.8	.8	.8	Mining.....	1.0	1.0	.9
Contract construction...	40.7	39.7	39.8	Contract construction...	66.3	61.0	74.6
Manufacturing.....	196.5	195.3	187.5	Manufacturing.....	595.1	630.8	540.6
Trans. and pub. util....	57.2	56.7	57.8	Trans. and pub. util....	80.8	80.7	76.8
Trade.....	111.1	111.9	109.2	Trade.....	243.6	242.7	233.0
Finance.....	28.5	28.6	28.6	Finance.....	45.3	45.0	44.4
Service.....	60.9	61.1	60.3	Service.....	126.2	126.8	123.3
Government.....	67.1	67.2	62.7	Government.....	108.3	108.1	103.7
MASSACHUSETTS				<u>Flint</u>			
<u>Boston</u>				Manufacturing.....	85.1	86.4	76.3
Total.....	952.4	950.1	943.7				
Contract construction...	50.9	51.2	42.4	<u>Grand Rapids</u>			
Manufacturing.....	279.7	274.7	280.1	Manufacturing.....	52.3	53.4	50.4
Trans. and pub. util....	79.2	76.5	78.5				
Trade.....	214.6	218.3	218.6	<u>Lansing</u>			
Finance.....	66.0	66.5	64.9	Manufacturing.....	31.6	32.0	27.7
Service 1/.....	129.2	130.6	129.5				
Government.....	132.8	132.3	129.7	<u>Muskegon</u>			
<u>Fall River</u>				Manufacturing..	27.1	27.3	23.8
Total.....	46.7	43.6	46.6				
Manufacturing.....	27.0	24.2	27.2	<u>Saginaw</u>			
Trans. and pub. util....	2.6	2.5	2.4	Manufacturing.....	28.0	28.1	26.9
Trade.....	7.6	7.6	7.8				
Government.....	4.9	4.8	4.7	MINNESOTA			
Other nonmanufacturing..	4.6	4.5	4.5	<u>Duluth</u>			
<u>New Bedford</u>				Total.....	43.8	43.4	43.0
Total.....	50.2	47.4	47.9	Contract construction...	3.0	2.8	2.6
Contract construction...	1.5	1.4	1.1	Manufacturing.....	10.0	10.0	9.6
Manufacturing.....	27.1	24.7	25.6	Trans. and pub. util....	7.8	7.7	7.6
Trans. and pub. util....	2.1	1.9	2.2	Trade.....	10.8	10.7	11.2
Trade.....	8.7	8.6	8.4	Finance.....	1.9	1.9	1.9
Government.....	5.0	5.0	4.8	Service 1/.....	6.3	6.3	6.2
Other nonmanufacturing..	5.8	5.8	5.8	Government.....	4.0	4.1	3.9

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
	Aug.	July	Aug.		Aug.	July	Aug.
MINNESOTA - Continued				NEVADA			
<u>Minneapolis-St. Paul</u>				<u>Reno 2/</u>			
Total.....	487.5	484.2	479.1	Total.....	26.3	26.3	24.5
Contract construction....	40.4	38.9	34.8	Contract construction...	2.4	2.4	2.3
Manufacturing.....	136.4	135.7	135.6	Manufacturing 1/.....	2.0	1.9	2.0
Trans. and pub. util.....	51.8	51.4	52.8	Trans. and pub. util....	3.7	3.6	3.3
Trade.....	118.5	118.3	116.6	Trade.....	6.2	6.3	6.1
Finance.....	32.9	32.7	31.8	Finance.....	1.0	1.0	.8
Service 1/.....	55.0	54.8	53.8	Service.....	7.4	7.5	6.7
Government.....	52.5	52.4	53.8	Government.....	3.6	3.6	3.3
MISSISSIPPI				NEW HAMPSHIRE			
<u>Jackson</u>				<u>Manchester 2/</u>			
Manufacturing.....	9.5	9.4	8.6	Total.....	41.1	40.7	40.4
MISSOURI				Contract construction...	2.2	2.2	1.9
<u>Kansas City</u>				Manufacturing.....	19.8	19.3	19.6
Total.....	347.3	348.2	359.8	Trans. and pub. util....	2.7	2.6	2.5
Mining.....	.8	.8	.8	Trade.....	7.6	7.6	7.5
Contract construction....	18.8	19.1	20.0	Finance.....	2.0	2.0	1.9
Manufacturing.....	97.4	97.9	109.5	Service.....	4.2	4.2	4.2
Trans. and pub. util.....	45.3	45.1	45.8	Government.....	2.7	2.7	2.8
Trade.....	94.2	94.2	93.8	NEW JERSEY			
Finance.....	20.7	20.8	20.4	<u>Newark-Jersey City 5/</u>			
Service.....	39.7	39.9	39.3	Total.....	797.6	797.3	790.6
Government.....	30.4	30.4	30.2	Mining.....	.2	.2	.2
<u>St. Louis</u>				Contract construction...	33.0	33.7	30.3
Total.....	703.0	698.1	693.5	Manufacturing.....	355.0	351.3	350.3
Mining.....	3.0	3.0	2.3	Trans. and pub. util....	78.8	78.4	79.1
Contract construction....	39.5	38.6	44.5	Trade.....	136.5	138.3	136.5
Manufacturing.....	270.8	265.5	259.0	Finance.....	45.4	45.4	47.1
Trans. and pub. util.....	68.0	68.4	66.8	Service.....	76.6	77.7	74.1
Trade.....	147.7	148.2	149.9	Government.....	72.1	72.3	73.0
Finance.....	34.8	35.0	34.2	<u>Paterson 5/</u>			
Service.....	79.2	79.4	77.7	Manufacturing.....	167.6	166.9	166.1
Government.....	60.0	60.0	59.1	<u>Perth Amboy 5/</u>			
MONTANA				Manufacturing.....	81.7	75.7	79.4
<u>Great Falls</u>				<u>Trenton</u>			
Total.....	19.3	19.2	18.5	Manufacturing.....	40.3	39.0	37.8
Contract construction....	1.9	1.9	1.7	NEW MEXICO			
Manufacturing.....	2.9	3.0	2.8	<u>Albuquerque 2/</u>			
Trans. and pub. util.....	2.7	2.7	2.6	Total.....	58.6	58.9	54.0
Trade.....	5.9	5.8	5.8	Contract construction...	6.1	6.3	5.0
Service 4/.....	3.6	3.6	3.4	Manufacturing.....	9.9	9.8	9.1
Government.....	2.3	2.2	2.2	Trans. and pub. util....	5.2	5.3	4.9
NEBRASKA				Trade.....	15.2	15.2	13.9
<u>Omaha</u>				Finance.....	3.6	3.7	3.3
Total.....	146.7	146.3	145.5	Service 1/.....	7.4	7.5	7.4
Contract construction....	8.7	8.7	9.5	Government.....	11.2	11.1	10.4
Manufacturing.....	31.7	31.3	31.2	NEW YORK			
Trans. and pub. util.....	23.7	23.5	23.1	<u>Albany-Schenectady-Troy</u>			
Trade.....	36.7	36.7	36.5	Total.....	204.0	202.5	207.3
Finance.....	11.4	11.4	11.2	Contract construction...	7.0	6.6	8.4
Service 1/.....	19.8	19.8	19.0	Manufacturing.....	75.9	75.0	77.3
Government.....	14.8	15.0	15.3	Trans. and pub. util....	16.3	16.4	16.8

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
	Aug.	July	Aug.		Aug.	July	Aug.
NEW YORK - Continued				Rochester - Continued			
<u>Albany-Schenectady-</u>				Trans. and pub. util....	9.9	9.9	10.1
<u>Troy - Continued</u>				Trade.....	37.7	37.8	37.4
Trade.....	39.2	38.8	39.2	Finance.....	6.4	6.5	6.4
Government.....	36.9	36.8	36.9	Other nonmanufacturing..	38.9	38.8	38.1
Other nonmanufacturing..	28.7	28.7	28.6				
<u>Binghamton</u>				<u>Syracuse</u>			
Total.....	75.9	76.0	76.4	Total.....	141.2	138.3	138.0
Contract construction...	3.1	3.1	3.6	Contract construction...	7.2	6.9	8.4
Manufacturing.....	40.4	40.7	40.8	Manufacturing.....	57.5	54.9	55.3
Trans. and pub. util....	4.0	4.0	4.0	Trans. and pub. util....	10.3	10.3	10.4
Trade.....	14.1	13.8	13.6	Trade.....	31.4	31.4	29.5
Other nonmanufacturing..	14.4	14.4	14.4	Other nonmanufacturing..	34.8	34.8	34.4
<u>Buffalo</u>				<u>Utica-Rome</u>			
Total.....	443.4	441.0	430.9	Total.....	94.7	94.1	95.0
Contract construction...	19.4	19.8	20.5	Contract construction...	2.2	2.2	3.8
Manufacturing.....	206.1	203.5	197.5	Manufacturing.....	41.0	40.4	42.1
Trans. and pub. util....	40.4	40.4	38.2	Trans. and pub. util....	5.6	5.3	5.2
Trade.....	84.4	84.2	83.2	Trade.....	15.5	15.8	15.1
Finance.....	13.7	13.6	13.4	Finance.....	3.1	3.2	3.1
Service 1/.....	45.9	46.0	45.2	Service 1/.....	9.0	9.0	8.6
Government.....	33.5	33.5	32.9	Government.....	18.2	18.2	17.1
<u>Elmira</u>				<u>Westchester County 2/</u>			
Total.....	33.2	33.0	33.3	Total.....	175.2	176.3	173.7
Manufacturing.....	17.0	17.1	17.1	Contract construction...	16.4	16.9	16.4
Trade.....	6.5	6.3	6.3	Manufacturing.....	46.4	46.3	47.7
Other nonmanufacturing..	9.8	9.6	9.9	Trans. and pub. util....	12.3	12.3	12.3
<u>Nassau and Suffolk</u>				Trade.....	40.9	41.7	39.3
<u>Counties 2/</u>				Finance.....	8.6	8.3	8.2
Total.....	304.9	303.1	306.6	Service 3/.....	50.7	50.8	49.8
Contract construction...	30.2	30.1	29.5				
Manufacturing.....	95.2	95.1	107.3	NORTH CAROLINA			
Trans. and pub. util....	20.5	20.3	20.4	<u>Charlotte</u>			
Trade.....	65.9	66.3	60.4	Total.....	84.0	83.7	84.3
Service 4/.....	50.4	48.8	47.6	Contract construction...	5.2	5.2	6.6
Government.....	42.7	42.6	41.4	Manufacturing.....	21.9	21.7	21.3
<u>New York-Northeastern</u>				Trans. and pub. util....	9.7	9.6	9.5
<u>New Jersey</u>				Trade.....	25.3	25.3	25.2
Manufacturing.....	1,709.0	1,645.0	1,738.0	Finance.....	5.6	5.5	5.3
<u>New York City 2/</u>				Service 1/.....	10.4	10.5	10.3
Total.....	3,481.0	3,435.6	3,483.5	Government.....	5.9	5.9	6.1
Mining.....	1.7	1.7	1.8				
Contract construction...	111.5	110.7	109.1	<u>Greensboro-High Point</u>			
Manufacturing.....	952.1	898.7	976.5	Manufacturing.....	40.9	41.1	39.8
Trans. and pub. util....	321.9	321.9	319.2				
Trade.....	788.7	797.8	789.6	<u>Raleigh-Durham</u>			
Finance.....	350.6	347.8	346.0	Manufacturing.....	20.1	18.5	20.8
Service.....	550.9	554.7	547.1				
Government.....	403.6	402.3	394.1	<u>Winston-Salem</u>			
<u>Rochester</u>				Manufacturing.....	35.4	32.1	32.8
Total.....	216.1	215.6	213.7				
Contract construction...	10.9	10.7	10.6	NORTH DAKOTA			
Manufacturing.....	112.3	111.9	110.9	<u>Fargo</u>			
				Total.....	21.2	20.9	21.2
				Contract construction...	2.5	2.2	2.4
				Manufacturing.....	2.1	2.1	2.3
				Trans. and pub. util....	2.3	2.3	2.2
				Trade.....	7.2	7.1	7.4

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
	Aug.	July	Aug.		Aug.	July	Aug.
NORTH DAKOTA - Continued				Harrisburg - Continued			
<u>Fargo</u> - Continued				Trans. and pub. util....	14.7	14.5	13.7
Finance.....	1.5	1.5	1.4	Trade.....	22.4	22.4	22.1
Service 1/.....	2.8	2.8	2.8	Finance.....	5.8	5.8	5.6
Government.....	2.8	2.8	2.9	Service.....	12.0	12.2	11.9
				Government.....	39.0	39.1	37.7
OHIO				<u>Lancaster</u>			
<u>Cincinnati</u>				Manufacturing.....	46.6	45.4	42.8
Manufacturing.....	163.0	160.2	154.1	<u>Philadelphia</u>			
<u>Cleveland</u>				Manufacturing.....	547.7	542.2	551.6
Manufacturing.....	301.6	305.3	291.5	<u>Pittsburgh</u>			
OKLAHOMA				Total.....	805.6	803.6	763.6
<u>Oklahoma City</u>				Mining.....	18.0	17.8	17.2
Total.....	136.1	136.0	136.2	Contract construction...	47.2	45.6	37.1
Mining.....	7.4	7.4	7.4	Manufacturing.....	333.1	332.4	310.4
Contract construction...	9.3	9.3	9.5	Trans. and pub. util....	72.7	71.8	69.9
Manufacturing.....	15.6	15.5	15.5	Trade.....	153.8	153.8	150.3
Trans. and pub. util....	11.0	11.1	11.0	Finance.....	27.6	27.8	28.1
Trade.....	36.9	36.9	36.8	Service.....	85.1	86.6	84.6
Finance.....	7.4	7.5	7.5	Government.....	68.2	67.9	66.0
Service.....	16.4	16.4	16.6	<u>Reading</u>			
Government.....	32.1	32.1	32.2	Manufacturing.....	51.5	48.3	48.0
<u>Tulsa</u>				<u>Scranton</u>			
Total.....	122.6	122.6	116.5	Manufacturing.....	30.7	30.1	30.2
Mining.....	11.9	11.9	12.0	<u>Wilkes-Barre-Hazleton</u>			
Contract construction...	7.4	7.6	7.6	Manufacturing.....	38.7	38.3	37.8
Manufacturing.....	33.5	33.2	28.9	<u>York</u>			
Trans. and pub. util....	13.5	13.5	12.8	Manufacturing.....	44.9	44.9	45.0
Trade.....	30.4	30.3	29.8	RHODE ISLAND			
Finance.....	5.8	5.9	5.5	<u>Providence</u>			
Service.....	13.7	13.8	13.7	Total.....	289.0	282.5	279.2
Government.....	6.4	6.4	6.3	Contract construction...	16.2	15.7	14.3
OREGON				Manufacturing.....	139.0	134.4	135.5
<u>Portland</u>				Trans. and pub. util....	14.0	12.9	14.0
Total.....	(6/)	246.1	242.4	Trade.....	50.5	51.0	49.6
Contract construction...	(6/)	15.0	14.5	Finance.....	12.5	12.5	11.9
Manufacturing.....	(6/)	62.0	60.8	Service 1/.....	27.6	27.0	26.3
Trans. and pub. util....	(6/)	30.5	29.9	Government.....	29.2	29.0	27.6
Trade.....	(6/)	62.2	62.3	SOUTH CAROLINA			
Finance.....	(6/)	12.9	12.9	<u>Charleston</u>			
Service 1/.....	(6/)	31.6	31.5	Total.....	50.5	49.7	48.0
Government.....	(6/)	31.9	30.5	Contract construction...	4.1	3.9	3.8
PENNSYLVANIA				Manufacturing.....	9.7	9.5	8.8
<u>Allentown-Bethlehem-</u>				Trans. and pub. util....	4.1	4.0	4.0
<u>Easton</u>				Trade.....	11.2	11.0	11.2
Manufacturing.....	98.6	96.8	92.6	Finance.....	1.4	1.4	1.4
<u>Erie</u>				Service 1/.....	4.5	4.5	4.5
Manufacturing.....	39.0	39.5	38.2	Government.....	15.7	15.6	14.5
<u>Harrisburg</u>				<u>Greenville</u>			
Total 2/.....	136.1	135.6	132.4	Manufacturing.....	29.7	29.5	28.4
Mining.....	.5	.4	.4				
Contract construction...	7.9	8.4	8.7				
Manufacturing 2/.....	33.9	32.8	32.2				

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
	Aug.	July	Aug.		Aug.	July	Aug.
SOUTH DAKOTA				Salt Lake City - Con.			
<u>Sioux Falls</u>				Manufacturing.....	15.2	17.1	16.7
Manufacturing.....	5.5	5.5	5.4	Trans. and pub. util....	13.2	12.9	12.6
Trans. and pub. util....	2.0	2.0	2.0	Trade.....	32.3	32.0	31.6
Trade.....	8.0	8.0	7.9	Finance.....	6.9	7.1	6.5
Finance.....	1.4	1.4	1.4	Service.....	14.6	14.6	13.6
Service 1/.....	3.1	3.0	2.9	Government.....	14.0	13.9	13.6
Government.....	1.9	1.9	1.9				
TENNESSEE				VERMONT			
<u>Chattanooga</u>				<u>Burlington</u>			
Total.....	94.0	93.9	90.6	Total.....	16.4	16.3	17.4
Mining.....	.1	.1	.1	Manufacturing.....	3.6	3.4	5.3
Contract construction...	4.6	4.8	4.5	Trans. and pub. util....	1.5	1.4	1.3
Manufacturing.....	43.9	43.6	41.6	Trade.....	4.5	4.6	4.5
Trans. and pub. util....	5.4	5.3	5.5	Service.....	3.1	3.1	2.9
Trade.....	17.8	17.7	17.0	Other nonmanufacturing..	3.7	3.8	3.4
Finance.....	4.2	4.2	3.9				
Service.....	9.8	9.8	9.5	<u>Springfield</u>			
Government.....	8.4	8.4	8.5	Total.....	12.7	12.8	11.3
				Manufacturing.....	7.9	7.9	6.7
<u>Knoxville</u>				Trans. and pub. util....	.6	.6	.6
Total.....	117.4	115.6	114.9	Trade.....	1.6	1.6	1.6
Mining.....	1.9	1.9	1.8	Service.....	1.1	1.1	1.0
Contract construction...	8.8	8.8	11.4	Other nonmanufacturing..	1.6	1.6	1.5
Manufacturing.....	46.9	45.4	43.0				
Trans. and pub. util....	7.1	7.1	7.4	VIRGINIA			
Trade.....	25.1	24.7	23.7	<u>Norfolk-Portsmouth</u>			
Finance.....	2.6	2.6	2.5	Total.....	147.5	147.9	145.9
Service.....	11.4	11.6	11.2	Mining.....	.2	.2	.2
Government.....	13.7	13.7	13.9	Contract construction...	12.5	12.2	12.3
				Manufacturing.....	15.2	15.8	14.9
<u>Memphis</u>				Trans. and pub. util....	15.5	15.8	15.1
Total.....	172.9	171.1	166.5	Trade.....	35.3	35.3	36.4
Mining.....	.4	.4	.3	Finance.....	5.3	5.3	5.1
Contract construction...	12.2	11.9	9.9	Service.....	16.6	16.6	16.1
Manufacturing.....	45.1	44.6	41.9	Government.....	46.9	46.7	45.8
Trans. and pub. util....	15.0	15.0	15.0				
Trade.....	48.3	47.6	48.5	<u>Richmond</u>			
Finance.....	8.0	7.9	7.6	Total.....	151.2	149.9	146.7
Service.....	21.7	21.6	21.7	Mining.....	.3	.3	.3
Government.....	22.4	22.2	21.8	Contract construction...	10.5	10.4	10.0
				Manufacturing.....	38.8	37.1	37.2
<u>Nashville</u>				Trans. and pub. util....	15.7	15.9	14.9
Total.....	129.7	128.9	124.2	Trade.....	37.1	37.4	36.7
Contract construction 1/	8.4	8.2	8.1	Finance.....	12.5	12.6	11.9
Manufacturing.....	38.0	37.6	35.7	Service.....	16.7	16.7	16.6
Trans. and pub. util....	12.4	12.4	12.2	Government.....	19.6	19.5	19.1
Trade.....	28.8	28.7	27.8				
Finance.....	7.9	7.9	7.7	WASHINGTON			
Service.....	19.5	19.4	18.6	<u>Seattle</u>			
Government.....	14.9	14.9	14.3	Total.....	293.1	291.2	282.1
				Contract construction...	15.6	15.3	14.0
UTAH				Manufacturing.....	84.3	83.0	76.8
<u>Salt Lake City</u>				Trans. and pub. util....	27.4	27.4	27.5
Total.....	107.7	108.8	108.9	Trade.....	70.8	70.6	69.4
Mining.....	2.7	2.6	6.2	Finance.....	17.6	17.5	16.9
Contract construction...	8.8	8.6	8.1	Service 1/.....	37.5	37.5	36.5
				Government.....	39.9	39.9	41.0

See footnotes at end of table.

**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
	Aug.	July	Aug.		Aug.	July	Aug.
WASHINGTON - Continued				Wheeling-Steubenville			
<u>Spokane</u>				Total.....	116.0	113.3	110.4
Total.....	73.6	72.8	70.5	Mining.....	5.5	5.5	5.4
Contract construction...	5.2	4.9	4.9	Contract construction..	5.0	4.7	4.0
Manufacturing.....	15.4	15.2	13.7	Manufacturing.....	56.4	54.8	53.9
Trans. and pub. util....	8.7	8.7	8.3	Trans. and pub. util...	10.0	9.8	9.1
Trade.....	19.8	19.5	19.2	Trade.....	20.0	19.7	18.9
Finance.....	3.8	3.8	4.0	Finance.....	2.8	2.8	2.8
Service 1/.....	10.9	10.9	11.1	Service.....	9.8	9.5	9.8
Government.....	9.6	9.6	9.1	Government.....	6.6	6.6	6.8
 <u>Tacoma</u>				WISCONSIN			
Total.....	74.6	73.3	68.7	<u>Milwaukee</u>			
Contract construction...	5.1	5.0	4.2	Contract construction..	23.7	22.8	19.8
Manufacturing.....	18.5	17.0	15.5	Manufacturing.....	187.8	186.1	179.2
Trans. and pub. util....	6.8	6.9	6.5	Trans. and pub. util...	28.3	28.4	28.6
Trade.....	15.1	15.1	14.5	Trade.....	81.2	81.8	80.6
Finance.....	2.7	2.7	2.6	Finance.....	19.5	19.4	18.8
Service 1/.....	8.4	8.3	8.2	<u>Racine</u>			
Government.....	18.0	18.3	17.2	Contract construction..	2.2	2.0	2.1
 WEST VIRGINIA				Manufacturing.....	22.9	22.1	21.3
<u>Charleston</u>				Trans. and pub. util...	1.7	1.7	1.7
Total.....	90.3	90.0	88.9	Trade.....	6.5	6.5	6.7
Mining.....	11.5	11.5	11.1	Finance.....	.8	.8	.8
Contract construction...	4.7	4.5	4.5	WYOMING			
Manufacturing.....	25.6	25.3	25.6	<u>Casper</u>			
Trans. and pub. util....	11.0	11.0	10.4	Mining.....	2.4	2.8	3.1
Trade.....	17.5	17.8	17.4	Contract construction..	1.0	1.1	1.2
Finance.....	2.6	2.7	2.7	Manufacturing.....	1.9	1.9	1.9
Service.....	8.7	8.5	8.6	Trans. and pub. util...	1.6	1.5	1.7
Government.....	8.9	8.9	8.9	Trade.....	3.7	3.8	3.7
				Finance.....	.5	.5	.4
				Service.....	2.0	2.0	1.9

1/ Includes mining.

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

3/ Includes mining and government.

4/ Includes mining and finance.

5/ Subarea of New York-Northeastern New Jersey.

6/ Not available.

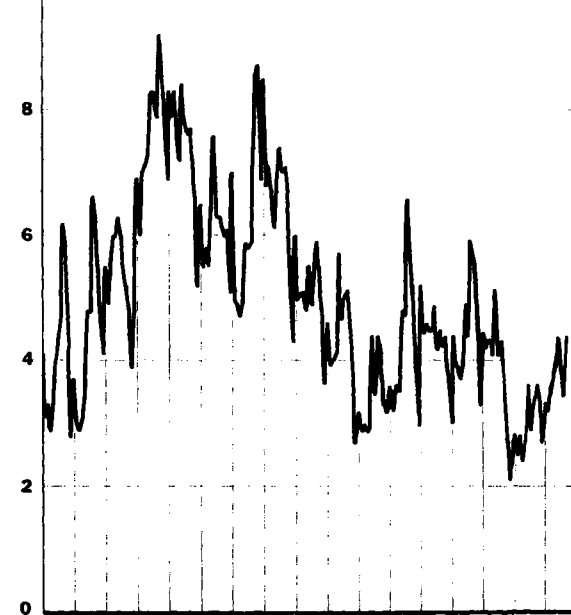
MONTHLY LABOR TURNOVER RATES

MANUFACTURING INDUSTRIES

1939-1955

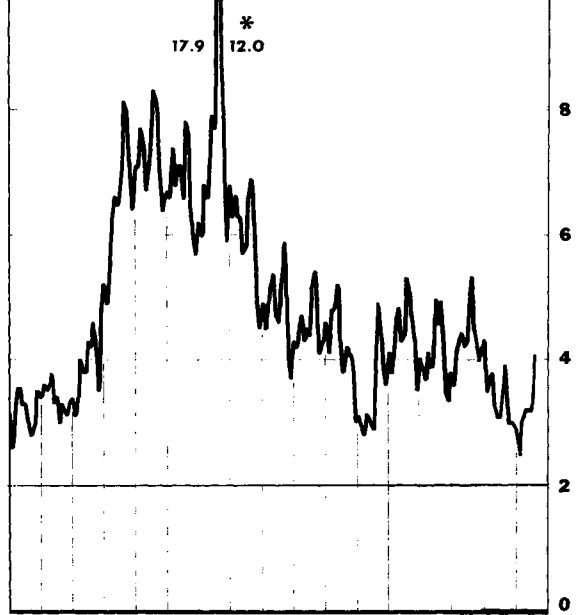
Rate Per 100
Employees

TOTAL ACCESSIONS

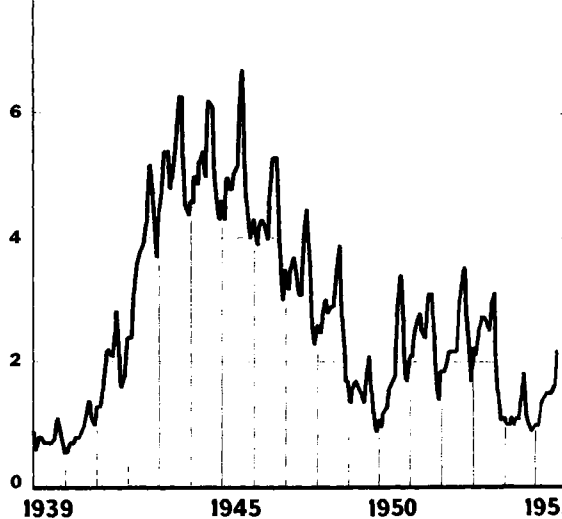


Rate Per 100
Employees

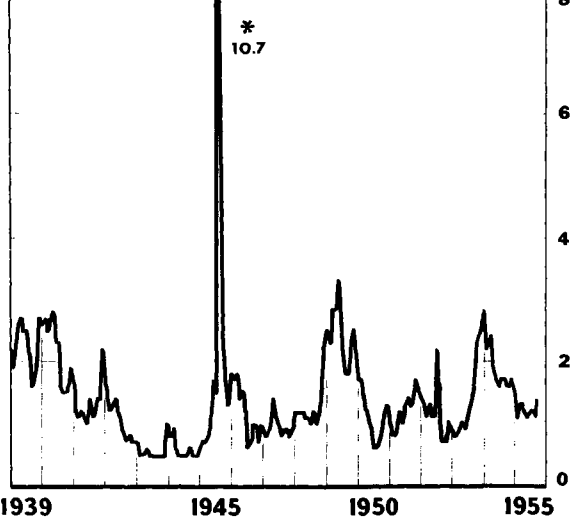
TOTAL SEPARATIONS



QUITS



LAYOFFS



UNITED STATES DEPARTMENT OF LABOR
Bureau of Labor Statistics

AUGUST 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	4.4						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	3.2	4.1						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						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						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	1.1	1.4						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						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	
	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955
MANUFACTURING.....	4.4	3.4	4.1	3.2	2.2	1.6	0.3	0.3	1.4	1.1	0.2	0.2
DURABLE GOODS.....	4.7	3.4	4.3	3.3	2.1	1.5	.4	.3	1.6	1.2	.2	.3
NONDURABLE GOODS.....	3.9	3.5	3.7	3.1	2.3	1.7	.3	.2	.9	.9	.2	.2
ORDNANCE AND ACCESSORIES.....	3.4	2.9	3.4	2.8	1.4	1.6	.3	.3	1.5	.9	.1	.1
FOOD AND KINDRED PRODUCTS.....	4.2	4.9	4.6	3.8	2.0	1.5	.3	.3	2.1	1.7	.2	.2
Meat products.....	4.9	4.7	4.9	3.9	1.5	1.0	.3	.4	2.9	2.4	.2	.2
Grain-mill products.....	3.2	5.0	4.3	3.2	2.1	1.5	.3	.4	1.8	1.3	.1	.1
Bakery products.....	3.8	3.9	3.8	3.6	2.5	2.3	.3	.5	.8	.6	.1	.2
Beverages:												
Malt liquors.....	2.0	4.6	4.5	2.7	1.0	.8	.2	.2	3.1	1.6	.2	.2
TOBACCO MANUFACTURES.....	3.6	3.4	3.3	2.2	2.1	1.7	.4	.2	.7	.2	.1	.1
Cigarettes.....	3.1	3.4	2.5	1.6	1.7	1.0	.4	.2	.2	.2	.2	.2
Cigars.....	4.4	3.8	4.3	2.9	2.6	2.5	.4	.2	1.3	.2	(1/)	.1
Tobacco and snuff.....	1.6	1.9	1.9	1.5	1.6	1.1	.2	.1	.1	.1	.1	.1
TEXTILE-MILL PRODUCTS.....	4.5	3.4	4.2	3.6	2.4	2.0	.3	.2	1.2	1.2	.2	.2
Yarn and thread mills.....	5.3	3.5	4.9	3.8	2.7	2.1	.4	.2	1.6	1.3	.2	.1
Broad-woven fabric mills.....	4.0	3.4	4.2	3.5	2.6	2.1	.3	.2	1.0	.9	.2	.2
Cotton, silk, synthetic fiber.....	4.0	3.2	4.0	3.3	2.7	2.2	.4	.2	.8	.7	.2	.2
Woolen and worsted.....	4.0	4.2	5.2	4.5	2.4	1.9	.2	.2	2.3	2.2	.3	.3
Knitting mills.....	4.9	4.5	4.2	4.4	2.6	2.3	.4	.3	1.0	1.7	.1	.2
Full-fashioned hosiery.....	3.0	4.3	3.5	5.2	2.2	1.9	.2	.2	1.1	3.0	.1	.1
Seamless hosiery.....	5.1	3.5	4.2	3.7	2.4	2.0	.3	.2	1.3	1.2	.2	.4
Knit underwear.....	5.9	4.7	3.5	3.5	2.9	2.6	.1	.2	.4	.6	.1	.1
Dyeing and finishing textiles.....	3.1	2.2	2.3	2.3	1.5	1.2	.2	.1	.4	.7	.2	.2
Carpets, rugs, other floor coverings...	3.3	1.8	3.9	2.0	1.2	.9	.1	.1	2.3	.6	.3	.3
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....	5.7	4.0	4.6	4.2	3.8	3.0	.3	.2	.4	.9	.1	.1
Men's and boys' suits and coats.....	3.2	3.1	3.4	3.2	2.1	1.7	.2	.1	1.0	1.0	.2	.3
Men's and boys' furnishings and work clothing.....	5.9	4.3	4.6	4.6	4.0	3.4	.3	.2	.2	.8	.1	.1
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....	(2/)	4.7	(2/)	4.5	(2/)	3.0	(2/)	.4	(2/)	.9	(2/)	.2
Logging camps and contractors.....	(2/)	5.3	(2/)	5.0	(2/)	3.8	(2/)	.2	(2/)	.9	(2/)	.2
Sawmills and planing mills.....	4.9	5.0	4.7	4.4	3.3	3.1	.4	.4	.8	.7	.1	.2
Millwork, plywood, and prefabricated structural wood products.....	4.8	3.5	4.8	3.0	3.1	2.1	.3	.3	1.2	.5	.1	.1
FURNITURE AND FIXTURES.....	6.2	4.6	4.2	3.2	2.9	2.1	.6	.3	.5	.5	.2	.2
Household furniture.....	6.5	4.9	4.3	3.4	3.0	2.3	.7	.4	.4	.5	.2	.2
Other furniture and fixtures.....	5.3	3.9	4.1	2.7	2.7	1.6	.4	.2	.8	.6	.1	.2
PAPER AND ALLIED PRODUCTS.....	3.2	2.9	3.0	2.4	2.0	1.4	.3	.3	.5	.5	.2	.2
Pulp, paper, and paperboard mills.....	2.0	2.2	2.0	1.3	1.3	.9	.2	.1	.3	.2	.2	.2
Paperboard containers and boxes.....	5.0	3.2	4.1	2.9	3.0	1.8	.5	.5	.4	.5	.1	.2
CHEMICALS AND ALLIED PRODUCTS.....	2.0	1.9	1.8	1.4	1.2	.8	.2	.1	.3	.3	.2	.1
Industrial inorganic chemicals.....	1.3	1.7	1.4	1.5	.9	.9	.1	.2	.1	.2	.2	.1
Industrial organic chemicals.....	1.3	1.4	1.4	1.0	.8	.5	.1	.1	.3	.3	.1	.1
Synthetic fibers.....	1.4	1.2	1.3	1.4	.5	.4	(1/)	(1/)	.5	.9	.2	.1
Drugs and medicines.....	1.5	1.7	1.7	1.2	1.4	.8	.1	.1	.2	.2	.1	.1
Paints, pigments, and fillers.....	(2/)	2.2	(2/)	1.2	(2/)	.8	(2/)	.2	(2/)	.1	(2/)	.1

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	
	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955
PRODUCTS OF PETROLEUM AND COAL.....	1.2	1.1	1.4	0.9	1.1	0.4	0.1	0.1	0.1	0.2	0.2	0.2
Petroleum refining.....	.6	.7	.9	.6	.7	.3	(1/)	(1/)	.1	.1	.2	.2
RUBBER PRODUCTS.....	3.6	2.8	2.8	2.7	1.8	1.4	.2	.2	.6	.8	.2	.3
Tires and inner tubes.....	2.0	1.8	1.7	1.4	1.2	.8	.1	.1	.2	.3	.2	.2
Rubber footwear.....	4.1	4.0	3.0	2.5	2.1	2.1	.1	.2	.7	.1	.1	.1
Other rubber products.....	5.0	3.5	3.8	3.8	2.1	1.8	.3	.3	1.1	1.4	.3	.3
LEATHER AND LEATHER PRODUCTS.....	4.4	4.6	4.3	3.6	3.2	2.4	.3	.2	.6	.7	.2	.3
Leather: tanned, curried, and finished..	3.0	2.9	2.6	4.4	1.4	1.1	.2	.2	.5	2.4	.4	.6
Footwear (except rubber).....	4.7	4.9	4.6	3.5	3.5	2.6	.3	.2	.6	.5	.1	.2
STONE, CLAY, AND GLASS PRODUCTS.....	4.3	3.0	2.6	2.8	1.6	1.3	.3	.3	.7	1.0	.2	.2
Glass and glass products.....	6.3	3.1	2.7	3.8	1.2	1.1	.2	.2	1.1	2.3	.2	.2
Cement, hydraulic.....	1.9	1.9	1.6	1.6	1.1	1.0	.2	.3	(1/)	.1	.2	.2
Structural clay products.....	3.8	3.6	3.1	2.7	2.2	1.5	.4	.7	.4	.3	.2	.2
Pottery and related products.....	(2/)	3.0	(2/)	3.3	(2/)	1.6	(2/)	.4	(2/)	1.1	(2/)	.2
PRIMARY METAL INDUSTRIES.....	3.1	2.8	2.7	2.2	1.5	1.2	.3	.3	.7	.5	.2	.2
Blast furnaces, steel works, and rolling mills.....	2.1	2.5	1.8	1.4	1.1	.9	.2	.2	.2	.2	.2	.2
Iron and steel foundries.....	5.9	4.0	3.8	3.6	2.4	1.9	.6	.5	.6	1.0	.2	.2
Gray-iron foundries.....	4.9	3.9	4.2	4.6	2.8	2.3	.6	.5	.7	1.6	.1	.2
Malleable-iron foundries.....	5.6	3.7	3.3	2.9	2.3	2.1	.6	.6	.2	.1	.2	.2
Steel foundries.....	7.2	4.2	3.6	2.7	1.9	1.4	.6	.5	.8	.6	.3	.2
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	3.9	4.2	4.5	2.7	2.9	1.8	.7	.2	.7	.3	.2	.3
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	(2/)	1.1	(2/)	1.3	(2/)	.7	(2/)	.1	(2/)	.3	(2/)	.2
Nonferrous foundries.....	4.9	3.3	4.8	4.3	2.5	1.8	.6	.4	1.5	1.7	.2	.3
Other primary metal industries:												
Iron and steel forgings.....	3.4	2.3	2.5	2.8	1.4	1.0	.3	.2	.7	1.4	.1	.2
FABRICATED METAL PRODUCTS (EXCEPT ORDINANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....	5.4	3.8	4.5	4.3	2.2	1.7	.5	.4	1.5	1.9	.3	.3
Cutlery, hand tools, and hardware.....	3.8	2.6	3.2	3.4	2.0	1.7	.3	.3	.7	1.1	.2	.2
Cutlery and edge tools.....	3.3	2.0	2.2	2.5	1.5	1.4	.2	.2	.4	.7	.2	.2
Hand tools.....	3.0	2.2	2.2	2.4	1.5	1.3	.2	.2	.3	.7	.2	.3
Hardware.....	(2/)	2.9	(2/)	4.1	(2/)	2.0	(2/)	.4	(2/)	1.5	(2/)	.2
Heating apparatus (except electric) and plumbers' supplies.....	5.3	3.9	4.9	3.1	2.5	1.7	.7	.4	1.4	.7	.4	.3
Sanitary ware and plumbers' supplies...	4.5	2.6	4.7	2.6	2.6	1.6	.8	.5	1.1	.4	.2	.1
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	5.7	4.7	5.0	3.3	2.3	1.7	.6	.4	1.6	.8	.6	.4
Fabricated structural metal products....	5.4	4.2	4.3	3.1	2.3	1.6	.5	.4	1.3	1.0	.2	.1
Metal stamping, coating, and engraving..	5.9	4.0	4.5	5.7	2.1	1.5	.4	.4	1.7	3.2	.3	.6

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	
	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955
MACHINERY (EXCEPT ELECTRICAL).....	3.6	2.5	2.8	2.4	1.6	1.1	0.3	0.2	0.8	0.8	0.2	0.2
Engines and turbines.....	4.0	1.7	3.1	1.7	1.8	1.1	2	.1	1.0	.3	.1	.2
Agricultural machinery and tractors.....	(2/)	2.9	(2/)	2.6	(2/)	1.3	(2/)	.2	(2/)	.7	(2/)	.4
Construction and mining machinery.....	3.6	3.0	2.9	1.9	2.0	1.2	.5	.3	.2	.2	.2	.2
Metalworking machinery.....	3.0	2.4	2.2	1.8	1.2	1.0	.3	.2	.5	.4	.2	.2
Machine tools.....	3.1	2.2	1.7	1.4	1.1	.9	.2	.1	.2	.2	.2	.2
Metalworking machinery (except machine tools).....	2.4	2.4	1.7	1.4	1.0	.8	.3	.2	.2	.2	.3	.2
Machine-tool accessories.....	3.3	2.7	3.3	2.9	1.5	1.4	.4	.5	1.2	.9	.2	.1
Special-industry machinery (except metalworking machinery).....	2.9	2.2	2.6	2.0	1.7	1.2	.3	.2	.5	.4	.2	.2
General industrial machinery.....	4.3	3.2	2.6	2.4	1.6	1.2	.4	.2	.5	.8	.2	.2
Office and store machines and devices....	2.6	2.0	1.7	2.4	1.0	.9	.1	.1	.5	1.2	.1	.2
Service-industry and household machines..	3.5	1.7	4.7	4.0	1.6	1.0	.2	.2	2.7	2.4	.3	.3
Miscellaneous machinery parts.....	3.5	2.7	2.6	1.9	1.7	1.1	.3	.2	.4	.3	.2	.2
ELECTRICAL MACHINERY.....	5.9	3.1	3.6	2.8	2.3	1.4	.3	.2	.7	1.0	.2	.2
Electrical generating, transmission, distribution, and industrial apparatus..	2.8	2.2	2.4	2.2	1.4	1.1	.2	.2	.5	.7	.2	.2
Communication equipment.....	(2/)	3.5	(2/)	2.6	(2/)	1.6	(2/)	.2	(2/)	.7	(2/)	.1
Radios, phonographs, television sets, and equipment.....	8.5	4.1	4.1	3.2	3.1	1.7	.4	.2	.5	1.1	.1	.1
Telephone, telegraph, and related equipment.....	(2/)	2.4	(2/)	1.2	(2/)	.9	(2/)	.1	(2/)	(1/)	(2/)	.1
Electrical appliances, lamps, and miscellaneous products.....	5.9	3.6	4.5	3.7	2.4	1.6	.3	.3	1.6	1.6	.1	.2
TRANSPORTATION EQUIPMENT.....	4.8	3.9	6.4	4.3	1.8	1.4	.3	.2	4.0	2.4	.2	.4
Automobiles.....	5.1	3.5	8.1	4.8	1.8	1.2	.3	.2	5.7	2.7	.3	.6
Aircraft and parts.....	2.9	2.8	2.6	2.4	1.7	1.5	.2	.1	.6	.7	.1	.1
Aircraft.....	2.5	2.9	2.4	2.2	1.7	1.6	.1	.1	.4	.5	.1	.1
Aircraft engines and parts.....	(2/)	2.5	(2/)	2.2	(2/)	.9	(2/)	.2	(2/)	.9	(2/)	.2
Aircraft propellers and parts.....	(2/)	1.3	(2/)	1.1	(2/)	.8	(2/)	(1/)	(2/)	.2	(2/)	.1
Other aircraft parts and equipment.....	5.4	3.1	4.9	4.4	1.6	1.6	.5	.3	2.5	2.4	.3	.1
Ship and boat building and repairing.....	11.4	12.9	16.7	12.1	2.3	2.6	.7	.7	13.5	8.7	.2	.1
Railroad equipment.....	(2/)	6.4	(2/)	5.6	(2/)	.7	(2/)	.1	(2/)	4.0	(2/)	.8
Locomotives and parts.....	(2/)	3.4	(2/)	4.2	(2/)	.3	(2/)	(1/)	(2/)	2.7	(2/)	1.1
Railroad and street cars.....	(2/)	7.9	(2/)	6.4	(2/)	.9	(2/)	.2	(2/)	4.6	(2/)	.7
Other transportation equipment.....	9.1	5.1	4.1	3.1	3.5	2.0	.5	.7	.1	.4	.1	.1
INSTRUMENTS AND RELATED PRODUCTS.....	3.1	2.0	2.5	2.0	1.4	1.0	.3	.2	.7	.6	.1	.1
Photographic apparatus.....	1.2	3.0	1.3	1.1	.7	.7	.1	.1	.4	.2	.1	.2
Watches and clocks.....	(2/)	1.6	(2/)	2.7	(2/)	1.1	(2/)	.1	(2/)	1.3	(2/)	.3
Professional and scientific instruments..	3.1	1.7	2.5	2.1	1.5	1.1	.2	.2	.7	.7	.1	.1
MISCELLANEOUS MANUFACTURING INDUSTRIES....	5.7	4.4	4.9	3.7	2.9	2.1	.6	.3	1.1	1.1	.3	.2
Jewelry, silverware, and plated ware....	3.2	2.3	2.5	2.3	1.8	1.4	.3	.2	.4	.6	.1	.1

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	
	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955	Aug. 1955	July 1955
NONMANUFACTURING:												
METAL MINING.....	4.2	5.0	3.6	4.1	2.7	3.3	0.4	0.4	0.3	0.2	0.3	0.2
Iron mining.....	(2/)	3.0	(2/)	1.2	(2/)	.6	(2/)	(1/)	(2/)	.3	(2/)	.2
Copper mining.....	(2/)	6.8	(2/)	6.6	(2/)	5.9	(2/)	.4	(2/)	(1/)	(2/)	.3
Lead and zinc mining.....	(2/)	2.9	(2/)	1.9	(2/)	1.5	(2/)	.1	(2/)	.1	(2/)	.1
ANTHRACITE MINING.....	2.7	1.0	1.3	2.1	.4	.8	(1/)	(1/)	.7	1.0	.2	.3
BITUMINOUS-COAL MINING.....	1.7	1.6	1.1	1.3	.7	.6	(1/)	(1/)	.3	.6	.1	.2
COMMUNICATION:												
Telephone.....	(2/)	2.7	(2/)	1.7	(2/)	1.4	(2/)	.1	(2/)	.1	(2/)	.1
Telegraph.....	(2/)	2.1	(2/)	1.6	(2/)	1.2	(2/)	(1/)	(2/)	.2	(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		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
MINING:									
METAL MINING.....	\$94.98	\$91.46	\$83.64	42.4	41.2	40.8	\$2.24	\$2.22	\$2.05
Iron mining.....	98.12	94.24	82.94	41.4	40.1	38.4	2.37	2.35	2.16
Copper mining.....	97.43	94.81	84.22	43.3	42.9	41.9	2.25	2.21	2.01
Lead and zinc mining.....	84.22	82.01	75.20	41.9	40.6	40.0	2.01	2.02	1.88
ANTHRACITE.....	87.89	86.27	82.50	34.2	35.5	33.0	2.57	2.43	2.50
BITUMINOUS-COAL.....	94.75	95.50	82.09	37.6	38.2	33.1	2.52	2.50	2.48
CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION:									
Petroleum and natural-gas production (except contract services).....	92.40	96.29	93.98	40.0	40.8	41.4	2.31	2.36	2.27
NONMETALLIC MINING AND QUARRYING.....	84.73	83.99	79.83	45.8	45.4	45.1	1.85	1.85	1.77
CONTRACT CONSTRUCTION.....									
NONBUILDING CONSTRUCTION.....	99.25	99.36	97.21	41.7	42.1	41.9	2.38	2.36	2.32
Highway and street.....	97.63	97.22	93.09	43.2	43.4	42.7	2.26	2.24	2.18
Other nonbuilding construction.....	100.25	101.18	100.77	40.1	40.8	41.3	2.50	2.48	2.44
BUILDING CONSTRUCTION.....	97.99	98.95	96.20	36.7	37.2	37.0	2.67	2.66	2.60
GENERAL CONTRACTORS.....	91.62	92.00	91.51	36.5	36.8	36.9	2.51	2.50	2.48
SPECIAL-TRADE CONTRACTORS.....	102.58	103.60	99.53	36.9	37.4	37.0	2.78	2.77	2.69
Plumbing and heating.....	107.80	108.39	103.52	38.5	38.3	38.2	2.80	2.83	2.71
Painting and decorating.....	97.43	97.02	92.31	35.3	35.8	35.1	2.76	2.71	2.63
Electrical work.....	118.60	118.31	113.88	39.8	39.7	39.0	2.98	2.98	2.92
Other special-trade contractors.....	98.55	100.64	96.10	36.1	37.0	36.4	2.73	2.72	2.64
MANUFACTURING.....									
DURABLE GOODS.....	82.61	82.62	76.59	41.1	40.9	40.1	2.01	2.02	1.91
NONDURABLE GOODS.....	67.83	67.89	64.68	39.9	39.7	39.2	1.70	1.71	1.65
ORDNANCE AND ACCESSORIES.....	82.21	82.62	80.20	40.3	40.3	40.1	2.04	2.05	2.00
FOOD AND KINDRED PRODUCTS.....	71.45	72.07	67.57	41.3	41.9	41.2	1.73	1.72	1.64
Meat products.....	83.42	80.48	76.07	41.5	41.7	40.9	2.01	1.93	1.86
Meat packing, wholesale.....	86.74	82.98	78.91	41.5	41.7	41.1	2.09	1.99	1.92
Sausages and casings.....	83.03	81.98	76.96	42.8	42.7	41.6	1.94	1.92	1.85
Dairy products.....	73.42	75.26	69.98	43.7	44.8	43.2	1.68	1.68	1.62
Condensed and evaporated milk.....	74.17	77.39	71.42	45.5	46.9	45.2	1.63	1.65	1.58
Ice cream and ices.....	77.26	78.50	70.81	43.9	44.6	42.4	1.76	1.76	1.67
Canning and preserving.....	57.31	54.79	56.03	39.8	39.7	40.6	1.44	1.38	1.38
Sea food, canned and cured.....	50.56	45.90	45.60	32.0	30.6	30.4	1.58	1.50	1.50
Canned fruits, vegetables, and soups..	59.16	56.58	57.82	40.8	41.3	41.7	1.45	1.37	1.39
Grain-mill products.....	77.35	79.98	74.59	44.2	45.7	44.4	1.75	1.75	1.68
Flour and other grain-mill products...	83.85	85.46	79.57	44.6	45.7	44.7	1.88	1.87	1.78
Prepared feeds.....	73.96	77.10	72.05	45.1	47.3	45.6	1.64	1.63	1.58
Bakery products.....	70.35	70.79	68.14	40.9	41.4	40.8	1.72	1.71	1.67
Bread and other bakery products.....	72.86	72.98	70.04	41.4	41.7	41.2	1.76	1.75	1.70
Biscuits, crackers, and pretzels.....	61.07	62.87	60.76	38.9	40.3	39.2	1.57	1.56	1.55

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
FOOD AND KINDRED PRODUCTS - Continued									
Sugar.....	\$77.79	\$84.29	\$71.75	41.6	44.6	41.0	\$1.87	\$1.89	\$1.75
Cane-sugar refining.....	87.52	93.80	75.62	44.2	46.9	41.1	1.98	2.00	1.84
Beet sugar.....	64.08	74.40	72.16	35.6	40.0	41.0	1.80	1.86	1.76
Confectionery and related products.....	57.33	57.48	55.95	39.0	39.1	39.4	1.47	1.47	1.42
Confectionery.....	55.10	54.00	53.70	38.8	38.3	39.2	1.42	1.41	1.37
Beverages.....	85.49	87.35	78.76	41.5	42.2	40.6	2.06	2.07	1.94
Bottled soft drinks.....	67.89	69.13	62.03	43.8	44.6	42.2	1.55	1.55	1.47
Malt liquors.....	101.34	104.67	93.03	40.7	41.7	40.1	2.49	2.51	2.32
Distilled, rectified, and blended liquors.....	77.52	77.77	73.73	38.0	38.5	38.4	2.04	2.02	1.92
Miscellaneous food products.....	69.04	69.17	66.99	42.1	42.7	42.4	1.64	1.62	1.58
Corn sirup, sugar, oil, and starch.....	89.52	85.17	90.29	44.1	42.8	45.6	2.03	1.99	1.98
Manufactured ice.....	67.62	68.73	66.46	46.0	47.4	46.8	1.47	1.45	1.42
TOBACCO MANUFACTURES.....									
Cigarettes.....	50.43	54.00	49.67	39.4	38.3	38.5	1.28	1.41	1.29
Cigars.....	67.97	67.06	68.30	40.7	40.4	41.9	1.67	1.66	1.63
Tobacco and snuff.....	44.13	43.79	42.90	37.4	36.8	37.3	1.18	1.19	1.15
Tobacco stemming and redrying.....	55.57	54.02	55.10	37.8	36.5	38.8	1.47	1.48	1.42
	40.19	48.26	37.86	40.6	38.3	36.4	.99	1.26	1.04
TEXTILE-MILL PRODUCTS.....									
Scouring and combing plants.....	55.07	54.25	52.36	40.2	39.6	38.5	1.37	1.37	1.36
Yarn and thread mills.....	63.65	68.48	62.78	41.6	43.9	41.3	1.53	1.56	1.52
Yarn mills.....	49.77	49.27	46.88	39.5	39.1	37.5	1.26	1.26	1.25
Thread mills.....	50.15	49.52	46.25	39.8	39.3	37.3	1.26	1.26	1.24
Broad-woven fabric mills.....	50.44	50.44	49.28	39.1	39.1	38.5	1.29	1.29	1.28
Cotton, silk, synthetic fiber.....	54.26	53.20	50.69	40.8	40.3	38.4	1.33	1.32	1.32
North.....	52.78	51.73	49.15	40.6	40.1	38.1	1.30	1.29	1.29
South.....	57.37	56.80	54.57	40.4	40.0	38.7	1.42	1.42	1.41
Woolen and worsted.....	51.97	50.93	47.88	40.6	40.1	38.0	1.28	1.27	1.26
Narrow fabrics and smallwares.....	63.42	62.78	60.55	42.0	41.3	40.1	1.51	1.52	1.51
Knitting mills.....	55.18	54.77	53.98	39.7	39.4	39.4	1.39	1.39	1.37
Full-fashioned hosiery.....	50.44	49.01	48.88	38.5	37.7	37.6	1.31	1.30	1.30
North.....	54.23	53.14	54.46	37.4	36.4	36.8	1.45	1.46	1.48
South.....	51.66	49.68	53.79	36.9	36.0	36.1	1.40	1.38	1.49
Seamless hosiery.....	54.90	54.17	54.68	37.6	36.6	37.2	1.46	1.48	1.47
North.....	43.01	41.15	41.78	37.4	36.1	37.3	1.15	1.14	1.12
South.....	47.04	46.68	44.46	39.2	38.9	38.0	1.20	1.20	1.17
Knit outerwear.....	42.41	40.34	41.29	37.2	35.7	37.2	1.14	1.13	1.11
Knit underwear.....	53.96	53.96	52.72	39.1	39.1	38.2	1.38	1.38	1.38
Dyeing and finishing textiles.....	48.43	47.07	45.13	39.7	38.9	37.3	1.22	1.21	1.21
Dyeing and finishing textiles (except wool).....	62.82	61.05	61.16	41.6	40.7	40.5	1.51	1.50	1.51
Carpets, rugs, other floor coverings.....	62.25	60.49	60.90	41.5	40.6	40.6	1.50	1.49	1.50
Wool carpets, rugs, and carpet yarn.....	74.16	72.16	71.63	41.9	41.0	40.7	1.77	1.76	1.76
Hats (except cloth and millinery).....	71.23	66.91	67.99	40.7	38.9	39.3	1.75	1.72	1.73
Miscellaneous textile goods.....	60.13	57.67	59.90	38.3	36.5	38.4	1.57	1.58	1.56
Felt goods (except woven felts and hats).....	66.56	65.28	61.85	41.6	40.8	39.9	1.60	1.60	1.55
Lace goods.....	76.32	73.16	69.25	42.4	40.2	39.8	1.80	1.82	1.74
Paddings and upholstery filling.....	65.30	62.70	61.55	39.1	38.0	37.3	1.67	1.65	1.65
Processed waste and recovered fibers.....	73.44	73.19	65.67	43.2	42.8	39.8	1.70	1.71	1.65
Artificial leather, oilcloth, and other coated fabrics.....	52.20	49.65	50.68	42.1	40.7	41.2	1.24	1.22	1.23
Cordage and twine.....	84.42	85.76	76.32	44.2	44.9	42.4	1.91	1.91	1.80
	56.54	55.16	53.99	40.1	39.4	39.7	1.41	1.40	1.36

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		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....									
Men's and boys' suits and coats.....	\$49.82	\$47.88	\$48.87	36.9	36.0	36.2	\$1.35	\$1.33	\$1.35
Men's and boys' furnishings and work clothing.....	60.39	58.48	57.05	36.6	36.1	35.0	1.65	1.62	1.63
Shirts, collars, and nightwear.....	42.11	40.52	41.70	37.6	36.5	36.9	1.12	1.11	1.13
Separate trousers.....	42.18	40.45	41.47	37.0	35.8	36.7	1.14	1.13	1.13
Work shirts.....	43.15	41.70	43.32	37.2	36.9	36.1	1.16	1.13	1.20
Women's outerwear.....	38.29	35.34	34.78	40.3	37.6	37.0	.95	.94	.94
Women's dresses.....	54.21	52.00	53.15	35.9	34.9	35.2	1.51	1.49	1.51
Household apparel.....	53.85	50.26	52.69	35.9	34.9	35.6	1.50	1.44	1.48
Women's suits, coats, and skirts.....	39.68	38.17	38.91	36.4	34.7	35.7	1.09	1.10	1.09
Women's, children's under garments.....	69.54	67.71	66.92	35.3	34.9	33.8	1.97	1.94	1.98
Underwear and nightwear, except corsets.....	44.53	42.12	43.80	36.8	35.1	36.2	1.21	1.20	1.21
Corsets and allied garments.....	41.92	39.55	41.02	37.1	35.0	36.3	1.13	1.13	1.13
Millinery.....	48.15	46.46	48.01	36.2	35.2	36.1	1.33	1.32	1.33
Children's outerwear.....	59.25	54.60	62.58	37.5	35.0	37.7	1.58	1.56	1.66
Miscellaneous apparel and accessories.....	46.50	46.49	46.62	37.5	37.8	37.9	1.24	1.23	1.23
Other fabricated textile products.....	44.77	44.64	43.92	37.0	36.0	36.3	1.21	1.24	1.21
Curtains, draperies, and other house-furnishings.....	50.03	49.24	48.00	37.9	37.3	37.5	1.32	1.32	1.28
Textile bags.....	44.25	44.27	42.78	37.5	37.2	37.2	1.18	1.19	1.15
Canvas products.....	53.02	55.30	53.18	38.7	39.5	39.1	1.37	1.40	1.36
	54.88	53.06	52.26	39.2	39.6	39.0	1.40	1.34	1.34
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....									
Logging camps and contractors.....	73.15	69.66	65.57	41.8	40.5	41.5	1.75	1.72	1.58
Sawmills and planing mills.....	83.84	77.34	67.30	40.5	38.1	38.9	2.07	2.03	1.73
Sawmills and planing mills, general.....	73.95	70.35	67.10	42.5	40.9	42.2	1.74	1.72	1.59
South.....	74.38	70.76	67.68	42.5	40.9	42.3	1.75	1.73	1.60
West.....	46.65	46.44	45.57	43.6	43.4	43.4	1.07	1.07	1.05
Millwork, plywood, and prefabricated structural wood products.....	93.94	88.24	89.42	41.2	38.7	40.1	2.28	2.28	2.23
Millwork.....	74.82	73.99	71.99	41.8	41.8	42.6	1.79	1.77	1.69
Plywood.....	73.43	73.43	72.84	42.2	42.2	43.1	1.74	1.74	1.69
Wooden containers.....	78.81	73.63	68.69	42.6	41.6	42.4	1.85	1.77	1.62
Wooden boxes, other than cigar.....	53.06	51.75	48.98	40.2	39.5	39.5	1.32	1.31	1.24
Miscellaneous wood products.....	53.19	53.46	47.95	40.6	40.5	39.3	1.31	1.32	1.22
	58.10	58.38	54.13	41.5	41.7	40.7	1.40	1.40	1.33
FURNITURE AND FIXTURES.....									
Household furniture.....	68.62	64.96	63.74	42.1	40.6	40.6	1.63	1.60	1.57
Wood household furniture, except upholstered.....	64.79	61.71	61.00	41.8	40.6	40.4	1.55	1.52	1.51
Wood household furniture, upholstered.....	58.37	56.44	54.81	42.3	41.5	40.6	1.38	1.36	1.35
Mattresses and bedsprings.....	70.21	64.46	65.27	41.3	38.6	39.8	1.70	1.67	1.64
Office, public-building, and professional furniture.....	73.68	70.35	69.38	42.1	40.9	41.3	1.75	1.72	1.68
Wood office furniture.....	77.58	73.57	72.73	43.1	41.1	41.8	1.80	1.79	1.74
Metal office furniture.....	69.39	63.14	61.69	44.2	41.0	41.4	1.57	1.54	1.49
Partitions, shelving, lockers, and fixtures.....	83.95	84.02	77.39	42.4	41.8	40.1	1.98	2.01	1.93
Screens, blinds, and miscellaneous furniture and fixtures.....	86.68	79.60	75.05	42.7	40.2	39.5	2.03	1.98	1.90
	66.62	64.62	64.84	41.9	40.9	41.3	1.59	1.58	1.57

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
PAPER AND ALLIED PRODUCTS.....	\$79.92	\$79.30	\$74.98	43.2	43.1	42.6	\$1.85	\$1.84	\$1.76
Pulp, paper, and paperboard mills.....	86.83	86.78	81.10	44.3	44.5	43.6	1.96	1.95	1.86
Paperboard containers and boxes.....	75.40	73.57	70.56	42.6	41.8	42.0	1.77	1.76	1.68
Paperboard boxes.....	75.15	73.33	70.47	42.7	41.9	42.2	1.76	1.75	1.67
Fiber cans, tubes, and drums.....	77.71	78.31	73.63	40.9	41.0	39.8	1.90	1.91	1.85
Other paper and allied products.....	70.30	69.97	66.83	41.6	41.4	41.0	1.69	1.69	1.63
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....	91.18	90.95	87.40	38.8	38.7	38.5	2.35	2.35	2.27
Newspapers.....	95.23	95.76	91.85	35.8	36.0	35.6	2.66	2.66	2.58
Periodicals.....	99.36	93.50	91.03	41.4	40.3	40.1	2.40	2.32	2.27
Books.....	81.81	78.41	78.98	40.7	39.4	40.5	2.01	1.99	1.95
Commercial printing.....	90.23	90.17	85.10	40.1	39.9	39.4	2.25	2.26	2.16
Lithographing.....	93.96	94.42	89.54	40.5	40.7	40.7	2.32	2.32	2.20
Greeting cards.....	54.52	54.60	53.62	37.6	37.4	38.3	1.45	1.46	1.40
Bookbinding and related industries.....	69.70	69.70	67.60	39.6	39.6	39.3	1.76	1.76	1.72
Miscellaneous publishing and printing services.....	106.90	107.96	105.30	39.3	39.4	39.0	2.72	2.74	2.70
CHEMICALS AND ALLIED PRODUCTS.....	82.81	83.22	78.94	41.2	41.2	40.9	2.01	2.02	1.93
Industrial inorganic chemicals.....	90.58	90.80	86.48	40.8	40.9	40.6	2.22	2.22	2.13
Alkalies and chlorine.....	89.06	88.07	84.38	40.3	40.4	39.8	2.21	2.18	2.12
Industrial organic chemicals.....	87.12	87.94	83.43	40.9	40.9	40.5	2.13	2.15	2.06
Plastics, except synthetic rubber.....	86.73	86.53	84.02	41.9	41.4	41.8	2.07	2.09	2.01
Synthetic rubber.....	100.62	97.53	91.39	42.1	41.5	40.8	2.39	2.35	2.24
Synthetic fibers.....	74.40	76.57	72.07	40.0	40.3	39.6	1.86	1.90	1.82
Explosives.....	81.80	80.39	78.21	39.9	39.6	39.7	2.05	2.03	1.97
Drugs and medicines.....	74.56	74.56	71.63	40.3	40.3	40.7	1.85	1.85	1.76
Soap, cleaning and polishing preparations.....	87.15	85.28	82.81	41.5	41.0	41.2	2.10	2.08	2.01
Soap and glycerin.....	94.76	92.11	90.86	41.2	40.4	41.3	2.30	2.28	2.20
Paints, pigments, and fillers.....	85.20	85.60	78.88	42.6	42.8	41.3	2.00	2.00	1.91
Paints, varnishes, lacquers, and enamels.....	83.92	83.69	76.86	42.6	42.7	41.1	1.97	1.96	1.87
Gum and wood chemicals.....	73.15	72.87	68.80	43.8	43.9	43.0	1.67	1.66	1.60
Fertilizers.....	62.21	63.50	61.30	41.2	41.5	41.7	1.51	1.53	1.47
Vegetable and animal oils and fats.....	72.65	74.20	69.99	44.3	44.7	44.3	1.64	1.66	1.58
Vegetable oils.....	65.94	69.05	64.37	43.1	43.7	43.2	1.53	1.58	1.49
Animal oils and fats.....	82.06	80.96	78.66	46.1	46.0	46.0	1.78	1.76	1.71
Miscellaneous chemicals.....	74.30	74.15	71.33	40.6	40.3	40.3	1.83	1.84	1.77
Essential oils, perfumes, cosmetics.....	62.15	61.02	59.68	38.6	37.9	38.5	1.61	1.61	1.55
Compressed and liquified gases.....	88.54	88.74	82.71	43.4	43.5	42.2	2.04	2.04	1.96
PRODUCTS OF PETROLEUM AND COAL.....	98.06	99.53	93.07	41.2	41.3	41.0	2.38	2.41	2.27
Petroleum refining.....	99.54	102.41	96.05	40.3	40.8	40.7	2.47	2.51	2.36
Coke, other petroleum and coal products..	93.05	91.16	83.13	44.1	43.0	42.2	2.11	2.12	1.97
RUBBER PRODUCTS.....	86.73	86.32	75.85	41.3	41.3	39.1	2.10	2.09	1.94
Tires and inner tubes.....	102.97	103.33	85.65	42.2	42.7	37.4	2.44	2.42	2.29
Rubber footwear.....	67.82	70.99	66.40	39.2	40.8	40.0	1.73	1.74	1.66
Other rubber products.....	76.26	74.37	77.15	41.0	40.2	40.2	1.86	1.85	1.77
LEATHER AND LEATHER PRODUCTS.....	53.48	52.40	51.24	38.2	37.7	37.4	1.40	1.39	1.37
Leather: tanned, curried, and finished...	71.86	69.84	68.99	39.7	38.8	39.2	1.81	1.80	1.76
Industrial leather belting and packing...	70.30	67.82	66.97	40.4	39.2	40.1	1.74	1.73	1.67
Boot and shoe cut stock and findings.....	51.98	51.99	48.55	38.5	38.8	36.5	1.35	1.34	1.33
Footwear (except rubber).....	50.92	49.74	48.71	38.0	37.4	36.9	1.34	1.33	1.32

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		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
LEATHER AND LEATHER PRODUCTS - Continued									
Luggage.....	\$57.30	\$56.62	\$56.24	38.2	38.0	38.0	\$1.50	\$1.49	\$1.48
Handbags and small leather goods.....	47.75	48.01	47.82	37.9	38.1	39.2	1.26	1.26	1.22
Gloves and miscellaneous leather goods...	46.63	45.13	44.90	37.3	36.1	36.5	1.25	1.25	1.23
STONE, CLAY, AND GLASS PRODUCTS.....									
Flat glass.....	110.12	111.10	96.29	41.4	41.3	39.3	2.66	2.69	2.45
Glass and glassware, pressed or blown...	73.68	73.91	70.77	39.4	38.9	39.1	1.87	1.90	1.81
Glass containers.....	77.14	76.21	73.45	40.6	39.9	39.7	1.90	1.91	1.85
Pressed and blown glass.....	67.69	70.12	66.85	37.4	37.3	38.2	1.81	1.88	1.75
Glass products made of purchased glass...	67.04	63.60	61.76	41.9	40.0	40.9	1.60	1.59	1.51
Cement, hydraulic.....	79.30	81.93	76.36	41.3	41.8	41.5	1.92	1.96	1.84
Structural clay products.....	71.90	70.30	67.23	41.8	41.6	41.5	1.72	1.69	1.62
Brick and hollow tile.....	69.60	69.76	66.40	43.5	43.6	43.4	1.60	1.60	1.53
Floor and wall tile.....	70.93	70.41	69.19	41.0	40.7	40.7	1.73	1.73	1.70
Sewer pipe.....	71.34	69.66	69.22	41.0	40.5	41.7	1.74	1.72	1.66
Clay refractories.....	77.39	72.96	67.16	38.5	38.0	36.9	2.01	1.92	1.82
Pottery and related products.....	67.28	62.84	60.50	37.8	35.5	35.8	1.78	1.77	1.69
Concrete, gypsum, and plaster products...	81.17	81.35	76.05	45.6	45.7	45.0	1.78	1.78	1.69
Concrete products.....	78.83	78.88	73.51	46.1	46.4	45.1	1.71	1.70	1.63
Cut-stone and stone products.....	69.39	69.23	64.78	43.1	43.0	41.0	1.61	1.61	1.58
Miscellaneous nonmetallic mineral products.....	82.15	79.15	73.68	41.7	40.8	39.4	1.97	1.94	1.87
Abrasive products.....	85.89	80.50	73.48	40.9	38.7	37.3	2.10	2.08	1.97
Asbestos products.....	85.30	86.48	78.25	43.3	43.9	41.4	1.97	1.97	1.89
Nonclay refractories.....	83.33	81.48	65.93	38.4	38.8	33.3	2.17	2.10	1.98
PRIMARY METAL INDUSTRIES.....									
Blast furnaces, steel works, and rolling mills.....	98.33	98.65	82.43	40.3	40.1	37.3	2.44	2.46	2.21
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	98.33	99.05	82.43	40.3	40.1	37.3	2.44	2.47	2.21
Electrometallurgical products.....	87.56	88.18	79.00	41.3	41.4	39.5	2.12	2.13	2.00
Iron and steel foundries.....	83.62	83.43	74.10	41.6	41.3	39.0	2.01	2.02	1.90
Gray-iron foundries.....	82.37	83.42	73.49	41.6	41.5	39.3	1.98	2.01	1.87
Malleable-iron foundries.....	81.99	80.39	75.07	41.2	40.6	39.1	1.99	1.98	1.92
Steel foundries.....	88.41	84.87	75.62	41.9	41.0	38.0	2.11	2.07	1.99
Primary smelting and refining of nonferrous metals.....	79.84	84.65	79.79	38.2	40.5	40.3	2.09	2.09	1.98
Primary smelting and refining of copper, lead, and zinc.....	73.40	80.60	76.59	36.7	39.9	40.1	2.00	2.02	1.91
Primary refining of aluminum.....	89.42	87.45	84.82	40.1	40.3	40.2	2.23	2.17	2.11
Secondary smelting and refining of nonferrous metals.....	81.71	79.57	72.67	41.9	42.1	40.6	1.95	1.89	1.79
Rolling, drawing and alloying of nonferrous metals.....	84.84	85.05	80.60	40.4	40.5	40.1	2.10	2.10	2.01
Rolling, drawing, and alloying of copper.....	83.62	86.92	80.40	40.2	41.0	40.0	2.08	2.12	2.01
Rolling, drawing, and alloying of aluminum.....	84.80	83.18	80.00	40.0	39.8	40.0	2.12	2.09	2.00
Nonferrous foundries.....	84.45	82.81	79.80	40.6	40.2	39.7	2.08	2.06	2.01
Miscellaneous primary metal industries...	95.95	93.98	84.53	41.9	41.4	39.5	2.29	2.27	2.14
Iron and steel forgings.....	99.96	97.23	86.08	42.0	41.2	38.6	2.38	2.36	2.23
Wire drawing.....	94.98	94.08	85.65	42.4	42.0	40.4	2.24	2.24	2.12
Welded and heavy-riveted pipe.....	90.09	86.94	83.16	40.4	39.7	39.6	2.23	2.19	2.10

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).	\$83.20	\$81.99	\$76.95	41.6	41.2	40.5	\$2.00	\$1.99	\$1.90
Tin cans and other tinware.....	90.25	89.59	83.13	43.6	43.7	42.2	2.07	2.05	1.97
Cutlery, hand tools, and hardware.....	79.54	77.95	74.74	41.0	40.6	40.4	1.94	1.92	1.85
Cutlery and edge tools.....	67.06	67.23	66.17	40.4	40.5	40.1	1.66	1.66	1.65
Hand tools.....	76.59	75.22	73.26	40.1	39.8	39.6	1.91	1.89	1.85
Hardware.....	84.45	82.41	77.93	41.6	41.0	40.8	2.03	2.01	1.91
Heating apparatus (except electric) and plumbers' supplies.....	78.17	74.84	75.14	40.5	39.6	40.4	1.93	1.89	1.86
Sanitary ware and plumbers' supplies....	79.80	77.62	79.38	39.7	39.6	40.5	2.01	1.96	1.96
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	77.30	73.66	73.53	40.9	39.6	40.4	1.89	1.86	1.82
Fabricated structural metal products.....	84.65	83.64	79.73	41.7	41.2	41.1	2.03	2.03	1.94
Structural steel and ornamental metal work.....	86.07	85.46	80.87	42.4	42.1	41.9	2.03	2.03	1.93
Metal doors, sash, frames, molding, and trim.....	83.23	82.82	78.38	41.0	40.6	40.4	2.03	2.04	1.94
Boiler-shop products.....	82.62	77.97	78.76	40.9	38.6	40.6	2.02	2.02	1.94
Sheet-metal work.....	85.69	86.88	79.37	41.8	42.8	40.7	2.05	2.03	1.95
Metal stamping, coating, and engraving...	85.90	86.74	78.40	41.7	41.7	40.0	2.06	2.08	1.96
Vitreous-enameled products.....	68.97	66.58	59.73	41.3	41.1	37.1	1.67	1.62	1.61
Stamped and pressed metal products.....	89.67	90.95	80.60	42.1	42.3	40.1	2.13	2.15	2.01
Lighting fixtures.....	78.94	73.88	70.71	40.9	39.3	39.5	1.93	1.88	1.79
Fabricated wire products.....	77.49	75.55	73.12	41.0	40.4	40.4	1.89	1.87	1.81
Miscellaneous fabricated metal products..	83.53	83.30	74.00	42.4	42.5	40.0	1.97	1.96	1.85
Metal shipping barrels, drums, kegs, and pails.....	93.53	95.26	85.08	43.3	44.1	41.1	2.16	2.16	2.07
Steel springs.....	85.05	85.48	74.48	40.5	40.9	38.0	2.10	2.09	1.96
Bolts, nuts, washers, and rivets.....	87.90	86.20	74.26	43.3	43.1	39.5	2.03	2.00	1.88
Screw-machine products.....	80.41	79.95	72.62	42.1	42.3	39.9	1.91	1.89	1.82
MACHINERY (EXCEPT ELECTRICAL).....	86.32	86.11	80.80	41.5	41.4	40.2	2.08	2.08	2.01
Engines and turbines.....	87.67	88.94	84.77	40.4	40.8	39.8	2.17	2.18	2.13
Steam engines, turbines, and water wheels.....	89.47	87.55	95.17	38.9	38.4	41.2	2.30	2.28	2.31
Diesel and other internal-combustion engines, not elsewhere classified.....	87.12	89.23	80.36	40.9	41.5	39.2	2.13	2.15	2.05
Agricultural machinery and tractors.....	78.99	81.20	77.42	39.3	40.0	39.3	2.01	2.03	1.97
Tractors.....	82.16	83.41	80.36	39.5	40.1	39.2	2.08	2.08	2.05
Agricultural machinery (except tractors).....	75.66	78.41	74.67	39.0	39.8	39.3	1.94	1.97	1.90
Construction and mining machinery.....	87.33	86.50	78.59	42.6	42.4	40.3	2.05	2.04	1.95
Construction and mining machinery, except for oil fields.....	87.14	86.93	76.82	42.3	42.2	39.6	2.06	2.06	1.94
Oil-field machinery and tools.....	88.10	85.40	82.96	43.4	42.7	41.9	2.03	2.00	1.98
Metalworking machinery.....	98.99	98.76	92.64	43.8	43.7	42.3	2.26	2.26	2.19
Machine tools.....	96.14	94.40	86.11	44.1	43.5	41.4	2.18	2.17	2.08
Metalworking machinery (except machine tools).....	94.83	90.94	85.70	43.3	42.1	41.2	2.19	2.16	2.08
Machine-tool accessories.....	102.73	104.58	100.02	43.9	44.5	43.3	2.34	2.35	2.31
Special-industry machinery (except metalworking machinery).....	82.17	81.97	77.59	41.5	41.4	40.2	1.98	1.98	1.93
Food-products machinery.....	83.63	83.43	79.58	41.4	41.1	40.6	2.02	2.03	1.96
Textile machinery.....	74.11	73.57	68.60	41.4	41.1	39.2	1.79	1.79	1.75
Paper-industries machinery.....	89.80	87.60	81.06	44.9	43.8	42.0	2.00	2.00	1.93
Printing-trades machinery and equipment.	93.24	90.64	85.86	42.0	41.2	40.5	2.22	2.20	2.12

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		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
MACHINERY (EXCEPT ELECTRICAL) - Continued									
General industrial machinery.....	\$85.49	\$84.46	\$80.20	41.5	41.4	40.3	\$2.06	\$2.04	\$1.99
Pumps, air and gas compressors.....	81.79	80.59	79.00	41.1	40.7	40.1	1.99	1.98	1.97
Conveyors and conveying equipment.....	86.28	86.94	80.60	40.7	41.4	40.1	2.12	2.10	2.01
Blowers, exhaust and ventilating fans...	79.79	80.38	74.77	40.5	40.8	40.2	1.97	1.97	1.86
Industrial trucks, tractors, etc.....	84.05	81.40	77.82	41.2	40.1	39.5	2.04	2.03	1.97
Mechanical power-transmission equipment.	89.46	88.61	79.80	42.4	42.6	40.1	2.11	2.08	1.99
Mechanical stokers and industrial furnaces and ovens.....	84.67	84.44	79.00	41.3	41.8	39.7	2.05	2.02	1.99
Office and store machines and devices....	82.78	82.80	79.40	39.8	40.0	39.7	2.08	2.07	2.00
Computing machines and cash registers...	90.90	92.93	86.40	40.4	41.3	40.0	2.25	2.25	2.16
Typewriters.....	74.47	73.71	73.23	39.4	39.0	39.8	1.89	1.89	1.84
Service-industry and household machines..	81.00	80.79	76.44	39.9	39.8	39.2	2.03	2.03	1.95
Domestic laundry equipment.....	81.80	78.28	81.20	39.9	38.0	40.4	2.05	2.06	2.01
Commercial laundry, dry-cleaning, and pressing machines.....	79.00	78.66	75.17	41.8	41.4	40.2	1.89	1.90	1.87
Sewing machines.....	82.19	82.21	77.82	39.9	40.1	39.5	2.06	2.05	1.97
Refrigerators and air-conditioning units.....	80.58	81.40	75.66	39.5	39.9	38.6	2.04	2.04	1.96
Miscellaneous machinery parts.....	85.90	84.45	77.03	41.9	41.6	39.5	2.05	2.03	1.95
Fabricated pipe, fittings, and valves...	82.42	80.20	76.44	40.8	39.9	38.8	2.02	2.01	1.97
Ball and roller bearings.....	90.94	91.54	75.46	43.1	43.8	39.1	2.11	2.09	1.93
Machine shops (job and repair).....	85.24	83.18	78.55	42.2	41.8	40.7	2.02	1.99	1.93
ELECTRICAL MACHINERY.....	76.33	74.82	72.04	40.6	39.8	39.8	1.88	1.88	1.81
Electrical generating, transmission, distribution, and industrial apparatus..	80.39	79.99	77.78	40.6	40.4	40.3	1.98	1.98	1.93
Wiring devices and supplies.....	69.52	69.38	67.60	39.5	39.2	39.3	1.76	1.77	1.72
Carbon and graphite products (electrical).....	79.73	77.59	74.80	41.1	40.2	40.0	1.94	1.93	1.87
Electrical indicating, measuring, and recording instruments.....	74.66	72.40	73.16	40.8	40.0	40.2	1.83	1.81	1.82
Motors, generators, and motor-generator sets.....	84.85	84.23	83.64	40.6	40.3	40.6	2.09	2.09	2.06
Power and distribution transformers.....	83.01	84.04	78.98	41.3	41.4	40.5	2.01	2.03	1.95
Switchgear, switchboard, and industrial controls.....	80.39	80.39	75.98	40.6	40.6	40.2	1.98	1.98	1.89
Electrical welding apparatus.....	94.76	93.29	86.48	44.7	43.8	42.6	2.12	2.13	2.03
Electrical appliances.....	77.78	77.62	75.46	40.3	39.6	39.3	1.93	1.96	1.92
Insulated wire and cable.....	73.98	73.85	69.95	41.1	40.8	40.2	1.80	1.81	1.74
Electrical equipment for vehicles.....	85.91	82.42	74.10	41.5	40.4	39.0	2.07	2.04	1.90
Electric lamps.....	67.66	66.81	63.69	39.8	39.3	38.6	1.70	1.70	1.65
Communication equipment.....	72.50	69.78	69.03	40.5	39.2	39.9	1.79	1.78	1.73
Radios, phonographs, television sets, and equipment.....	69.60	68.60	67.66	40.0	39.2	39.8	1.74	1.75	1.70
Radio tubes.....	66.07	62.21	64.08	39.8	37.7	39.8	1.66	1.65	1.61
Telephone, telegraph, and related equipment.....	92.42	84.46	80.60	43.8	41.2	40.3	2.11	2.05	2.00
Miscellaneous electrical products.....	74.70	72.83	67.25	40.6	39.8	39.1	1.84	1.83	1.72
Storage batteries.....	88.37	82.00	75.06	42.9	40.0	39.3	2.06	2.05	1.91
Primary batteries (dry and wet).....	61.62	60.19	57.90	39.5	39.6	38.6	1.56	1.52	1.50
X-ray and non-radio electronic tubes....	80.80	84.87	77.60	40.2	41.4	40.0	2.01	2.05	1.94

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
TRANSPORTATION EQUIPMENT.....	\$91.62	\$92.99	\$85.63	40.9	41.7	40.2	\$2.24	\$2.23	\$2.13
Automobiles.....	94.35	97.75	88.00	41.2	42.5	40.0	2.29	2.30	2.20
Motor vehicles, bodies, parts, and accessories.....	95.17	98.83	88.58	41.2	42.6	39.9	2.31	2.32	2.22
Truck and bus bodies.....	82.19	80.77	78.09	41.3	41.0	41.1	1.99	1.97	1.90
Trailers (truck and automobile).....	83.21	83.01	73.70	41.4	41.3	39.2	2.01	2.01	1.88
Aircraft and parts.....	88.97	89.40	85.27	41.0	41.2	40.8	2.17	2.17	2.09
Aircraft.....	89.19	89.19	85.07	41.1	41.1	40.9	2.17	2.17	2.08
Aircraft engines and parts.....	85.72	89.62	86.10	39.5	41.3	41.0	2.17	2.17	2.10
Aircraft propellers and parts.....	95.89	88.70	82.53	43.0	40.5	39.3	2.23	2.19	2.10
Other aircraft parts and equipment.....	91.98	90.06	84.85	42.0	41.5	40.6	2.19	2.17	2.09
Ship and boat building and repairing.....	83.64	81.72	81.12	38.9	39.1	39.0	2.15	2.09	2.08
Shipbuilding and repairing.....	87.19	84.63	83.03	39.1	39.0	38.8	2.23	2.17	2.14
Boatbuilding and repairing.....	66.85	68.38	70.75	38.2	39.3	40.2	1.75	1.74	1.76
Railroad equipment.....	92.62	90.32	81.79	40.8	40.5	38.4	2.27	2.23	2.13
Locomotives and parts.....	98.24	95.60	86.43	42.9	42.3	40.2	2.29	2.26	2.15
Railroad and street cars.....	88.82	86.85	78.49	39.3	39.3	37.2	2.26	2.21	2.11
Other transportation equipment.....	79.27	75.39	74.43	41.5	40.1	39.8	1.91	1.88	1.87
INSTRUMENTS AND RELATED PRODUCTS.....	77.16	76.38	72.29	40.4	40.2	39.5	1.91	1.90	1.83
Laboratory, scientific, and engineering instruments.....	88.32	88.29	82.59	40.7	40.5	39.9	2.17	2.18	2.07
Mechanical measuring and controlling instruments.....	78.57	77.20	72.54	40.5	40.0	39.0	1.94	1.93	1.86
Optical instruments and lenses.....	76.99	77.78	73.68	40.1	40.3	39.4	1.92	1.93	1.87
Surgical, medical, and dental instruments.....	68.61	67.60	67.47	40.6	40.0	40.4	1.69	1.69	1.67
Ophthalmic goods.....	62.06	60.89	56.70	40.3	39.8	37.8	1.54	1.53	1.50
Photographic apparatus.....	84.85	85.28	79.79	40.6	41.0	40.5	2.09	2.08	1.97
Watches and clocks.....	69.08	66.64	63.91	39.7	39.2	38.5	1.74	1.70	1.66
MISCELLANEOUS MANUFACTURING INDUSTRIES....	66.50	65.51	63.44	40.3	39.7	39.9	1.65	1.65	1.59
Jewelry, silverware, and plated ware.....	71.06	67.66	66.26	41.8	39.8	40.9	1.70	1.70	1.62
Jewelry and findings.....	66.88	62.88	62.58	41.8	39.3	40.9	1.60	1.60	1.53
Silverware and plated ware.....	80.03	77.30	74.03	41.9	40.9	40.9	1.91	1.89	1.81
Musical instruments and parts.....	73.35	72.00	71.20	40.3	40.0	40.0	1.82	1.80	1.78
Toys and sporting goods.....	60.34	59.21	58.41	39.7	38.7	39.2	1.52	1.53	1.49
Games, toys, dolls, and children's vehicles.....	59.95	58.67	58.31	39.7	38.6	39.4	1.51	1.52	1.48
Sporting and athletic goods.....	60.98	60.14	58.74	39.6	38.8	38.9	1.54	1.55	1.51
Pens, pencils, other office supplies.....	61.86	61.41	59.35	40.7	40.4	40.1	1.52	1.52	1.48
Costume jewelry, buttons, notions.....	55.71	56.60	56.74	37.9	38.5	39.4	1.47	1.47	1.44
Fabricated plastics products.....	72.10	72.04	68.61	41.2	41.4	40.6	1.75	1.74	1.69
Other manufacturing industries.....	70.64	69.48	66.63	40.6	39.7	39.9	1.74	1.75	1.67

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		
	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954	Aug. 1955	July 1955	Aug. 1954
TRANSPORTATION AND PUBLIC UTILITIES:									
TRANSPORTATION:									
Class I railroads.....	(1/)	\$81.14	\$79.10	(1/)	41.4	41.2	(1/)	\$1.96	\$1.92
Local railways and bus lines.....	\$80.65	81.22	78.26	42.9	43.2	43.0	\$1.88	1.88	1.82
COMMUNICATION:									
Telephone.....	72.76	72.00	67.69	40.2	40.0	38.9	1.81	1.80	1.74
Switchboard operating employees 2/...	59.52	60.06	56.47	38.4	38.5	37.4	1.55	1.56	1.51
Line construction, installation, and maintenance employees 3/.....	105.32	101.87	95.18	45.2	44.1	42.3	2.33	2.31	2.25
Telegraph 4/.....	79.71	79.34	77.33	42.4	42.2	41.8	1.88	1.88	1.85
OTHER PUBLIC UTILITIES:									
Gas and electric utilities.....	88.20	86.94	83.43	41.8	41.4	41.3	2.11	2.10	2.02
Electric light and power utilities....	89.67	89.66	85.28	41.9	41.7	41.4	2.14	2.15	2.06
Gas utilities.....	81.00	81.81	78.94	40.5	40.7	40.9	2.00	2.01	1.93
Electric light and gas utilities com- bined.....	91.16	87.78	84.04	42.6	41.6	41.4	2.14	2.11	2.03
WHOLESALE AND RETAIL TRADE:									
WHOLESALE TRADE.....									
	77.55	78.53	74.34	40.6	40.9	40.4	1.91	1.92	1.84
RETAIL TRADE (EXCEPT EATING AND DRINKING PLACES).....									
	60.19	60.34	57.96	39.6	39.7	39.7	1.52	1.52	1.46
General merchandise stores.....	42.60	43.08	41.76	35.8	35.9	36.0	1.19	1.20	1.16
Department stores and general mail- order houses.....	48.15	48.28	47.32	36.2	36.3	36.4	1.33	1.33	1.30
Food and liquor stores.....	63.90	63.73	62.09	39.2	39.1	39.3	1.63	1.63	1.58
Automotive and accessories dealers.....	80.78	81.14	75.75	43.9	44.1	44.3	1.84	1.84	1.71
Apparel and accessories stores.....	46.77	47.61	46.70	35.7	35.8	36.2	1.31	1.33	1.29
Other retail trade:									
Furniture and appliance stores.....	67.46	67.46	63.84	41.9	41.9	42.0	1.61	1.61	1.52
Lumber and hardware supply stores.....	71.67	71.39	68.45	43.7	43.8	43.6	1.64	1.63	1.57
FINANCE, INSURANCE, AND REAL ESTATE:									
Banks and trust companies.....	54.62	58.77	57.75	-	-	-	-	-	-
Security dealers and exchanges.....	96.15	101.69	97.66	-	-	-	-	-	-
Insurance carriers.....	74.10	74.13	71.09	-	-	-	-	-	-
SERVICE AND MISCELLANEOUS:									
Hotels and lodging places:									
Hotels, year-round 5/.....	40.77	40.89	40.13	41.6	41.3	41.8	.98	.99	.96
Personal services:									
Laundries.....	40.60	41.01	39.40	40.2	40.6	39.4	1.01	1.01	1.00
Cleaning and dyeing plants.....	45.93	47.04	45.46	38.6	39.2	38.2	1.19	1.20	1.19
Motion pictures:									
Motion-picture production and distri- bution.....	93.18	95.94	92.34	-	-	-	-	-	-

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.

**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 July....	\$70.92	\$61.56	\$75.39	\$65.44	\$40.00	\$34.72
1940.....	25.20	42.07	24.71	41.25	17.93	29.93	Aug.....	71.06	61.79	82.09	71.38	39.40	34.26
1941.....	29.58	47.03	30.86	49.06	18.69	29.71	Sept....	71.86	62.65	81.17	70.77	40.50	35.31
1942.....	36.65	52.58	35.02	50.24	20.34	29.18	Oct.....	72.22	63.07	87.54	76.45	40.50	35.37
1943.....	43.14	58.30	41.62	56.24	23.08	31.19	Nov.....	73.57	64.20	88.29	77.04	40.40	35.25
1944.....	46.08	61.28	51.27	68.18	25.95	34.51	Dec.....	74.12	64.85	92.01	80.50	40.70	35.61
1945.....	44.39	57.72	52.25	67.95	27.73	36.06	1955 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	66.59	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	89.91	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	94.75	82.75	40.60	35.46
1953.....	71.69	62.67	85.31	74.57	39.69	34.69							
1954.....	71.86	62.60	80.85	70.43	40.10	34.93							

**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 July.....	\$70.92	133.9	\$58.80	\$51.04	\$66.00	\$57.29
1940.....	25.20	47.6	24.69	41.22	24.95	41.65	Aug.....	71.06	134.2	58.91	51.23	66.12	57.50
1941.....	29.58	55.9	28.05	44.59	29.28	46.55	Sept....	71.86	135.7	59.55	51.92	66.78	58.22
1942.....	36.65	69.2	31.77	45.58	36.28	52.05	Oct.....	72.22	136.4	59.84	52.26	67.07	58.58
1943.....	43.14	81.5	36.01	48.66	41.39	55.93	Nov.....	73.57	138.9	60.92	53.16	68.18	59.49
1944.....	46.08	87.0	38.29	50.92	44.06	58.59	Dec.....	74.12	140.0	61.36	53.68	68.63	60.04
1945.....	44.39	83.8	36.97	48.08	42.74	55.58	1955 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							
1954.....	71.86	135.7	59.55	51.87	66.78	58.17							

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	Index (1947-49 = 100)		Gross	Excluding overtime		Gross	Excluding overtime	
Annual average:										
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	1/.963	1/74.8	43.4	1.111	1/1.042	44.1	.904	1/.858	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	40.5	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: July..	1.80	1.76	136.6	39.4	1.91	1.86	39.7	1.66	1.62	39.0
Aug...	1.79	1.74	135.1	39.7	1.91	1.86	40.1	1.65	1.60	39.2
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	1.82	141.3	40.6	2.01	1.94	41.1	1.70	1.65	39.9

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	
							Ordinance 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
Monthly data:								
1954: July....	99.5	74.8	127.5	97.1	101.6	91.8	451.3	78.0
Aug.....	102.2	77.3	129.8	99.9	102.9	96.3	437.4	80.4
Sept....	102.3	73.5	123.8	101.2	103.9	97.9	441.8	89.2
Oct.....	103.0	75.8	123.5	101.9	106.6	96.3	437.9	94.0
Nov.....	103.5	76.5	118.2	103.2	109.4	95.8	431.7	92.2
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
Feb.....	100.8	76.4	92.4	103.6	111.5	94.2	411.6	85.5
Mar.....	103.0	76.0	100.6	105.2	113.6	95.2	410.8	84.6
Apr.....	103.1	75.7	106.1	104.5	114.3	92.8	400.8	86.2
May.....	106.1	77.7	117.2	106.4	116.7	94.0	399.1	91.7
June....	108.0	80.4	122.3	107.8	117.2	96.6	395.2	99.5
July....	107.2	78.6	128.7	106.0	114.2	96.2	386.5	95.6
Aug.....	110.0	79.3	129.1	109.3	116.1	101.2	383.8	100.0
Manufacturing - Durable goods - Continued								
Year and month								Transportation equipment
	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries	Fabricated metal products	Machinery (except electrical)	Electrical machinery		
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	
Monthly data:								
1954: July....	89.6	96.7	91.4	102.9	96.1	114.9	127.2	
Aug.....	97.4	99.9	91.6	105.7	95.0	119.0	124.4	
Sept....	100.7	100.7	91.5	106.2	95.4	122.9	118.1	
Oct.....	102.6	102.2	92.8	107.9	94.8	125.9	125.9	
Nov.....	102.0	102.1	96.2	110.6	95.1	128.7	139.2	
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	
Feb.....	101.3	99.8	103.2	110.6	99.6	126.6	150.9	
Mar.....	102.0	103.3	106.5	113.2	102.2	127.0	154.4	
Apr.....	99.2	105.1	109.0	113.6	104.4	127.3	153.7	
May.....	100.1	108.0	112.4	116.0	106.6	128.6	155.2	
June....	103.3	110.6	114.0	116.2	107.3	129.1	145.8	
July....	100.0	107.6	109.7	113.2	103.7	124.3	147.9	
Aug.....	109.3	111.0	112.1	116.4	103.1	131.9	141.4	

See footnotes at end of table.

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

(1947-49 = 100)

Year and month	(1947-48 = 100)			Manufacturing - Nondurable goods		
	Manufacturing - Durable goods-Con. 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
Monthly data:						
1954: July....	108.8	90.5	95.6	78.1	75.2	92.1
Aug.....	108.7	96.7	102.1	97.4	78.9	101.4
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.....	114.3	101.3	103.1	103.4	83.3	108.0
Manufacturing - Nondurable goods - Continued						
Year and month	Paper and allied products	Printing, pub- lishing, 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
Monthly data:						
1954: July....	108.0	103.0	100.2	98.6	84.7	90.6
Aug.....	109.9	103.5	100.7	97.5	86.0	93.1
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.....	116.1	106.6	106.2	96.8	113.1	98.9

^{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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1955		1954	1955		1954	1955		1954
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
ALABAMA.....	\$58.90	\$60.92	\$56.23	39.8	38.8	39.6	\$1.48	\$1.57	\$1.42
Birmingham	74.29	81.60	71.86	41.5	40.8	39.7	1.79	2.00	1.81
Mobile	70.00	69.30	67.87	40.0	39.6	40.4	1.75	1.75	1.68
ARIZONA.....	82.21	80.39	83.95	40.9	40.6	42.4	2.01	1.98	1.98
Phoenix	81.20	78.20	82.78	40.4	40.1	41.6	2.01	1.95	1.99
ARKANSAS.....	53.50	52.74	51.53	41.8	41.2	40.9	1.28	1.28	1.26
Little Rock-									
W. Little Rock	51.94	51.25	48.28	40.9	41.0	39.9	1.27	1.25	1.21
CALIFORNIA.....	85.02	84.93	81.24	40.6	40.1	40.4	2.10	2.12	2.01
Fresno	75.52	74.51	73.76	39.6	38.4	39.5	1.91	1.94	1.87
Los Angeles	85.47	85.47	81.19	40.8	40.8	40.4	2.09	2.09	2.01
Sacramento	72.37	80.01	69.47	35.4	38.2	36.4	2.04	2.09	1.91
San Bernardino-									
Riverside-Ontario	80.39	80.98	80.37	40.1	40.3	40.7	2.01	2.01	1.97
San Diego	85.78	86.59	81.91	40.3	40.5	39.8	2.13	2.14	2.06
San Francisco-Oakland	88.05	88.13	83.48	40.4	39.6	40.1	2.18	2.23	2.08
San Jose	78.89	76.89	78.81	41.3	37.4	43.9	1.91	2.06	1.79
Stockton	71.43	79.90	71.98	37.7	40.2	39.0	1.90	1.99	1.85
COLORADO.....	76.67	78.44	73.03	41.0	41.5	40.8	1.87	1.89	1.79
Denver	77.38	79.49	72.32	40.3	41.4	40.4	1.92	1.92	1.79
CONNECTICUT.....	76.48	76.26	72.36	40.9	41.0	40.2	1.87	1.86	1.80
Bridgeport	80.70	81.29	74.03	41.6	41.9	39.8	1.94	1.94	1.86
Hartford	78.38	79.54	76.67	40.4	41.0	41.0	1.94	1.94	1.87
New Britain	77.30	79.10	70.13	40.9	42.3	39.4	1.89	1.87	1.78
New Haven	70.98	70.40	69.49	40.1	40.0	40.4	1.77	1.76	1.72
Stamford	81.80	78.79	80.78	40.1	39.2	40.8	2.04	2.01	1.98
Waterbury	75.55	80.32	73.36	40.4	42.5	40.2	1.87	1.89	1.80
DELAWARE.....	72.26	76.53	68.29	39.1	39.9	40.7	1.85	1.92	1.68
Wilmington	86.40	91.48	83.25	40.0	41.3	40.1	2.16	2.22	2.08
FLORIDA.....	57.39	57.25	56.17	40.7	40.6	41.0	1.41	1.41	1.37
Tampa-St. Petersburg	55.86	56.28	56.16	39.9	40.2	40.4	1.40	1.40	1.39
GEORGIA.....	53.87	54.41	49.00	40.5	40.3	39.2	1.33	1.35	1.25
Atlanta	68.28	71.72	62.80	40.4	41.7	40.0	1.69	1.72	1.57
Savannah	70.90	72.50	68.43	42.2	42.9	42.5	1.68	1.69	1.61
IDaho.....	84.97	81.81	76.76	42.7	40.7	40.4	1.99	2.01	1.90
ILLINOIS.....	82.39	81.10	75.89	41.3	40.7	40.0	1.99	1.99	1.90
Chicago	86.43	84.66	78.80	41.3	40.6	39.7	2.09	2.09	1.98
INDIANA.....	82.07	81.98	75.20	40.5	40.4	39.3	2.03	2.03	1.91
IOWA.....	76.39	73.76	70.41	41.3	40.3	40.3	1.85	1.83	1.75
Des Moines	81.87	78.43	76.21	40.4	39.1	39.0	2.03	2.01	1.96
KANSAS.....	80.06	79.58	79.37	41.6	41.9	42.2	1.92	1.90	1.88
Topeka	80.18	78.42	65.03	43.6	43.2	39.4	1.84	1.82	1.65
Wichita	84.29	83.52	85.20	41.3	41.7	42.8	2.04	2.00	1.99
KENTUCKY.....	71.25	71.31	66.64	40.8	40.9	40.2	1.75	1.75	1.66

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
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
LOUISIANA.....	\$68.97	\$70.47	\$64.87	41.8	41.7	40.8	\$1.65	\$1.69	\$1.59
Baton Rouge	95.87	97.34	91.58	41.5	40.9	40.7	2.31	2.38	2.25
New Orleans	68.11	69.08	67.47	40.3	40.4	40.4	1.69	1.71	1.67
MAINE.....	58.29	57.67	55.82	40.3	40.2	39.9	1.45	1.44	1.40
Portland	64.00	64.21	61.56	41.8	42.1	40.9	1.53	1.53	1.50
MARYLAND.....	74.18	75.33	67.92	40.6	41.1	40.2	1.83	1.84	1.69
Baltimore	80.47	80.80	73.16	41.3	41.5	40.2	1.95	1.95	1.82
MASSACHUSETTS.....	68.91	68.23	65.57	40.3	39.9	39.5	1.71	1.71	1.66
Boston	71.20	70.13	68.51	40.0	39.4	39.6	1.78	1.78	1.73
Fall River	55.55	53.68	47.79	39.4	37.8	35.4	1.41	1.42	1.35
New Bedford	59.64	58.46	54.57	40.3	39.5	38.7	1.48	1.48	1.41
Springfield-Holyoke	74.52	73.93	70.98	40.5	40.4	40.1	1.84	1.83	1.77
Worcester	79.30	77.87	71.10	41.3	41.2	39.5	1.92	1.89	1.80
MICHIGAN.....	93.43	93.72	86.65	41.6	41.8	40.3	2.25	2.24	2.15
Detroit	96.20	95.62	91.68	40.9	40.9	40.0	2.35	2.34	2.29
Flint	109.49	111.97	92.52	45.3	46.5	41.9	2.42	2.41	2.21
Grand Rapids	83.87	82.95	78.63	41.5	40.7	40.2	2.02	2.04	1.96
Lansing	106.30	107.96	88.53	44.7	45.4	40.5	2.38	2.38	2.19
Muskegon	84.93	84.73	79.15	39.8	39.8	38.2	2.13	2.13	2.07
Saginaw	91.93	93.81	82.01	41.9	42.7	40.3	2.19	2.20	2.04
MINNESOTA.....	79.16	77.34	72.05	41.6	41.3	39.6	1.90	1.87	1.82
Duluth	81.19	78.38	78.76	39.5	39.3	40.1	2.06	1.99	1.96
Minneapolis-St. Paul	81.05	80.09	75.44	41.1	40.9	39.6	1.97	1.96	1.91
MISSISSIPPI.....	51.00	49.92	48.56	41.8	41.6	41.5	1.22	1.20	1.17
Jackson	55.08	54.26	51.44	40.5	40.8	40.5	1.36	1.33	1.27
MISSOURI.....	72.07	70.93	67.32	40.3	40.0	39.4	1.78	1.77	1.71
Kansas City	81.12	81.28	75.19	40.9	41.0	40.0	1.97	1.97	1.88
St. Louis	(1/)	78.20	72.48	(1/)	40.1	39.3	(1/)	1.95	1.85
MONTANA.....	86.64	86.57	81.52	40.8	41.5	40.7	2.12	2.09	2.00
NEBRASKA.....	(1/)	71.59	66.70	(1/)	43.1	41.9	(1/)	1.66	1.59
Omaha	(1/)	74.07	69.98	(1/)	42.2	41.3	(1/)	1.76	1.69
NEVADA 2/.....	80.63	91.20	85.10	40.1	40.0	39.4	2.26	2.28	2.16
NEW HAMPSHIRE.....	58.28	58.29	58.18	40.6	40.2	40.4	1.46	1.45	1.44
Manchester 2/	55.63	53.96	54.43	38.9	38.0	38.6	1.43	1.42	1.41
NEW JERSEY.....	78.46	79.14	74.45	40.3	40.5	39.9	1.95	1.95	1.87
Newark-Jersey City	79.87	79.83	75.20	40.3	40.3	39.6	1.98	1.98	1.90
Paterson	77.83	78.08	74.47	40.9	40.9	40.3	1.90	1.91	1.85
Perth Amboy	82.56	79.04	76.41	41.3	39.6	40.6	2.00	2.00	1.88
Trenton	76.98	78.90	72.12	40.2	40.9	39.8	1.92	1.93	1.81
NEW MEXICO.....	80.99	79.80	3/79.46	40.7	39.9	3/41.6	1.99	2.00	3/1.91
Albuquerque	77.08	75.95	75.71	41.0	40.4	41.6	1.88	1.88	1.82
NEW YORK.....	74.79	74.87	71.22	39.3	39.1	38.8	1.90	1.91	1.84
Albany-Schenectady-Troy	82.37	80.57	75.91	40.8	40.2	39.7	2.02	2.01	1.91
Binghamton	70.93	69.71	65.56	39.8	39.2	37.7	1.78	1.78	1.74
Buffalo	89.45	89.40	81.49	40.9	41.0	39.7	2.19	2.18	2.05
Elmira	75.39	76.54	72.76	40.5	40.6	40.1	1.86	1.88	1.82

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
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
NEW YORK - Continued									
Nassau and Suffolk Counties	\$79.76	\$81.55	\$83.20	39.0	39.9	41.0	\$2.05	\$2.04	\$2.03
New York City	71.22	71.47	68.53	37.7	37.7	37.4	1.89	1.90	1.83
Rochester	81.73	81.25	76.55	40.6	40.4	39.8	2.01	2.01	1.92
Syracuse	79.75	79.26	74.23	41.2	41.0	40.1	1.94	1.93	1.85
Utica-Rome	71.09	73.34	68.27	39.9	40.7	39.4	1.78	1.80	1.73
Westchester County	73.47	76.04	71.78	39.7	40.2	39.5	1.85	1.89	1.82
NORTH CAROLINA.....	51.33	50.82	48.38	40.1	39.7	38.7	1.28	1.28	1.25
Charlotte	55.08	54.68	51.61	40.8	40.5	39.7	1.35	1.35	1.30
Greensboro-High Point	50.54	49.26	49.02	38.0	37.6	38.0	1.33	1.31	1.29
NORTH DAKOTA.....	69.29	71.42	70.21	43.2	45.7	45.9	1.60	1.56	1.53
Fargo	76.09	75.36	71.95	43.0	44.3	43.0	1.75	1.70	1.67
OHIO.....	87.06	86.40	78.62	41.1	40.6	39.6	2.12	2.13	1.99
Cincinnati	80.20	78.78	74.76	41.1	40.5	40.5	1.95	1.95	1.85
Cleveland	90.40	90.41	79.94	41.6	41.6	39.1	2.17	2.17	2.04
OKLAHOMA.....	74.11	73.93	72.98	41.4	41.3	41.7	1.79	1.79	1.75
Oklahoma City	70.30	69.63	69.60	41.6	42.2	42.7	1.69	1.65	1.63
Tulsa	82.54	81.12	77.90	41.9	41.6	41.0	1.97	1.95	1.90
OREGON.....	91.53	88.23	85.39	40.9	38.8	39.7	2.24	2.27	2.15
Portland	(1/)	80.43	76.99	(1/)	38.3	39.0	(1/)	2.10	1.97
PENNSYLVANIA.....	76.63	76.54	69.46	39.5	39.4	38.2	1.94	1.94	1.82
Allentown-Bethlehem- Easton	70.76	71.48	64.21	37.8	38.0	36.9	1.87	1.88	1.74
Erie	79.53	79.23	72.25	41.4	41.7	38.8	1.92	1.90	1.86
Harrisburg	66.61	66.18	58.93	39.3	39.3	37.3	1.70	1.68	1.58
Lancaster	66.94	66.22	63.55	41.4	41.0	40.4	1.62	1.62	1.57
Philadelphia	78.67	77.57	74.88	40.3	39.8	39.6	1.95	1.95	1.89
Pittsburgh	90.72	91.85	79.04	40.0	40.5	37.8	2.27	2.27	2.09
Reading	70.09	68.50	63.13	40.4	39.8	37.8	1.74	1.72	1.67
Scranton	55.49	54.00	54.20	38.4	37.5	37.9	1.45	1.44	1.43
Wilkes-Barre-Hazleton	53.62	51.09	50.84	38.3	37.1	38.0	1.40	1.38	1.34
York	65.01	63.39	62.42	41.3	40.4	41.2	1.57	1.57	1.52
RHODE ISLAND.....	60.35	61.33	59.85	39.2	39.4	39.9	1.54	1.56	1.50
Providence	62.00	62.31	60.25	40.0	40.2	39.9	1.55	1.55	1.51
SOUTH CAROLINA.....	52.35	52.37	49.39	40.9	40.6	39.2	1.28	1.29	1.26
Charleston	57.40	56.30	53.20	41.0	40.5	39.7	1.40	1.39	1.34
SOUTH DAKOTA.....	72.48	70.09	66.11	45.8	44.7	43.5	1.58	1.57	1.52
Sioux Falls	80.40	75.34	71.95	47.1	45.9	44.1	1.71	1.64	1.63
TENNESSEE.....	60.56	60.94	57.20	41.2	40.9	40.0	1.47	1.49	1.43
Chattanooga	62.32	61.41	56.98	41.0	40.4	39.3	1.52	1.52	1.45
Knoxville	68.11	68.74	67.99	40.3	40.2	39.3	1.69	1.71	1.73
Memphis	68.10	69.76	60.45	42.3	42.8	40.3	1.61	1.63	1.50
Nashville	61.69	61.24	59.09	41.4	41.1	40.2	1.49	1.49	1.47
TEXAS.....	75.42	76.38	72.21	41.9	42.2	41.5	1.80	1.81	1.74
UTAH.....	74.50	73.33	72.31	38.6	38.8	39.3	1.93	1.89	1.84
Salt Lake City	78.58	77.49	75.40	41.8	41.0	41.2	1.88	1.89	1.83

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
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
VERMONT.....	\$64.05	\$64.06	\$58.93	42.4	42.2	40.6	\$1.51	\$1.52	\$1.45
Burlington	58.94	57.34	57.96	41.0	39.6	39.7	1.44	1.45	1.46
Springfield	78.12	79.55	66.60	43.2	44.1	38.9	1.81	1.81	1.71
VIRGINIA.....	58.58	60.01	56.94	40.4	41.1	40.1	1.45	1.46	1.42
Norfolk-Portsmouth	62.88	67.84	60.95	39.3	42.4	40.1	1.60	1.60	1.52
Richmond	63.34	66.04	61.31	40.6	41.8	40.6	1.56	1.58	1.51
WASHINGTON.....	84.83	84.73	81.47	39.0	38.9	39.3	2.17	2.18	2.07
Seattle	81.94	82.53	77.04	38.5	38.8	38.2	2.13	2.13	2.02
Spokane	87.04	89.49	81.74	40.2	41.0	39.6	2.16	2.18	2.07
Tacoma	76.75	84.03	80.96	36.7	39.1	40.6	2.09	2.15	1.99
WEST VIRGINIA.....	75.45	75.85	70.05	39.5	38.5	38.7	1.91	1.97	1.81
Charleston	93.32	95.06	86.72	40.4	40.8	39.6	2.31	2.33	2.19
WISCONSIN.....	78.14	79.48	73.81	41.4	42.8	40.7	1.89	1.86	1.81
Kenosha	77.85	81.67	79.26	36.9	39.6	39.7	2.11	2.06	2.00
La Crosse	76.61	78.83	73.42	39.4	40.4	40.1	1.94	1.95	1.83
Madison	84.64	82.29	77.32	40.4	40.2	40.1	2.10	2.05	1.93
Milwaukee	86.69	87.77	81.65	40.9	41.2	40.0	2.12	2.13	2.04
Racine	82.26	80.12	79.43	40.6	39.7	40.4	2.03	2.02	1.96
WYOMING.....	83.83	84.67	83.64	41.5	41.3	40.2	2.02	2.05	2.08
Casper	101.18	103.49	96.29	40.8	41.9	40.8	2.48	2.47	2.36

1/ Not available.

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

3/ Not comparable with current data shown.

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 establish- ments 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. (ICC).....	—	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 clean- ing 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 ELS 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** for every industry or special series contained in sections A and C

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

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- **STATE EMPLOYMENT** 1939-1953 - Summary tables for each State, by industry division

- **GUIDE TO EMPLOYMENT STATISTICS OF BLS** - Shows the beginning date of all series published and gives each industry definition

- **TECHNICAL NOTES on:**

Measurement of Labor Turnover
Measurement of Industrial Employment
Hours and Earnings in Nonagricultural Establishments
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