

EMPLOYMENT and pay rolls

**DETAILED REPORT
NOVEMBER 1949**

**UNITED STATES DEPARTMENT OF LABOR
Maurice J. Tobin - Secretary
BUREAU OF LABOR STATISTICS
Ewan Clague - Commissioner**

EMPLOYMENT AND PAY ROLLS

Detailed Report

November 1949

<u>TABLE</u>	<u>CONTENTS</u>	<u>PAGE</u>
1	Employees in Nonagricultural Establishments, by Industry Division and Group	2
2	All Employees and Production Workers in Mining and Manu- facturing Industries	4
3	Indexes of Production-Worker Employment and Weekly Pay Rolls in Manufacturing Industries	9
4	Employees in Private and U. S. Navy Shipyards, by Region	10
5	Federal Civilian Employment and Pay Rolls in All Areas and in Continental United States, and Total Civilian Government Employment and Pay Rolls in Washington, D. C.	11
6	Personnel and Pay of the Military Branch of the Federal Government	12
7	Employees in Nonagricultural Establishments, by Industry Division, by State	13
	Explanatory Notes	i
	Glossary	v

Data for the 2 most recent months
shown are subject to revision
* * * * *
Explanatory notes outlining briefly
the concepts, methodology, and sources
used in preparing data presented in
this report appear in the appendix.
See pages i - vii.

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TABLE 1: Employees in Nonagricultural Establishments, by Industry
Division and Group

(In thousands)

Industry division and group	1949			1948	
	November	October	September	November	October
TOTAL	42,743	42,590	43,466	44,815	44,915
MINING	914	593	948	999	1,000
Metal mining	85.1	64.8	91.7	97.2	99.4
Anthracite	76.7	76.2	75.6	80.0	79.4
Bituminous-coal	402.1	99.8	421.1	458.0	457.8
Crude petroleum and natural gas production	254.7	256.6	260.7	263.0	261.6
Nonmetallic mining and quarrying	95.5	95.8	98.7	100.8	101.8
CONTRACT CONSTRUCTION	2,246	2,313	2,341	2,287	2,334
MANUFACTURING	13,776	13,888	14,312	15,368	15,514
DURABLE GOODS	7,023	6,984	7,409	8,352	8,393
Ordnance and accessories	21.8	22.6	22.7	28.2	28.1
Lumber and wood products (except furniture)	750	749	743	816	830
Furniture and fixtures	327	327	319	346	348
Stone, clay, and glass products	479	478	482	524	526
Primary metal industries	881	706	1,097	1,265	1,262
Fabricated metal products (except ordnance, machinery, and transportation equipment)	821	827	863	980	985
Machinery (except electrical)	1,208	1,222	1,236	1,518	1,522
Electrical machinery	750	753	734	860	858
Transportation equipment	1,095	1,207	1,240	1,277	1,287
Instruments and related products	234	235	233	259	263
Miscellaneous manufacturing industries	456	457	439	479	484
NONDURABLE GOODS	6,753	6,904	6,903	7,016	7,121
Food and kindred products	1,540	1,629	1,703	1,570	1,654
Tobacco manufactures	95	99	101	104	107
Textile-mill products	1,272	1,257	1,220	1,333	1,336
Apparel and other finished textile products	1,144	1,199	1,198	1,174	1,187
Paper and allied products	458	456	448	477	477
Printing, publishing, and allied industries	733	735	728	736	735
Chemicals and allied products	661	664	654	713	714
Products of petroleum and coal	245	242	247	251	243
Rubber products	232	233	209	259	257
Leather and leather products	373	390	395	399	411

See explanatory notes, sections A-G, and the glossary for definitions.

TABLE 1: Employees in Nonagricultural Establishments, by Industry Division and Group (Continued)

(In thousands)

Industry division and group	1949			1948	
	November	October	September	November	October
TRANSPORTATION AND PUBLIC UTILITIES	3,893	3,872	3,959	4,166	4,188
Transportation	2,690	2,665	2,739	2,937	2,963
Interstate railroads	1,283	1,258	1,339	1,517	1,534
Class I railroads	1,114	1,090	1,166	1,329	1,345
Local railways and bus lines	154	156	157	162	162
Trucking and warehousing	571	568	555	579	580
Other transportation and services	682	683	688	679	687
Communication	665	669	676	702	700
Telephone	615.5	618.5	624.7	643.0	640.2
Telegraph	48.2	49.4	50.1	58.3	58.9
Other public utilities	538	538	544	527	525
Gas and electric utilities	513.6	513.6	518.7	503.3	501.6
Local utilities	24.8	24.7	24.9	23.4	23.4
TRADE	9,597	9,496	9,409	9,807	9,654
Wholesale trade	2,538	2,551	2,538	2,612	2,601
Retail trade	7,059	6,945	6,871	7,195	7,053
General merchandise stores	1,589	1,490	1,432	1,647	1,523
Food and liquor stores	1,208	1,201	1,192	1,197	1,196
Automotive and accessories dealers	703	696	692	654	648
Apparel and accessories stores	552	548	542	608	599
Other retail trade	3,007	3,010	3,013	3,089	3,087
FINANCE	1,767	1,768	1,771	1,721	1,720
Banks and trust companies	415	415	417	408	407
Security dealers and exchanges	55.1	55.0	55.0	57.0	57.3
Insurance carriers and agents	629	627	627	600	597
Other finance agencies and real estate	668	671	672	656	659
SERVICE	4,767	4,794	4,833	4,782	4,811
Hotels and lodging places	444	451	475	458	464
Laundries	347.3	350.1	355.8	350.5	354.7
Cleaning and dyeing plants	144.6	147.3	146.9	146.8	150.2
Motion pictures	238	238	236	238	238
GOVERNMENT	5,783	5,866	5,893	5,685	5,694
Federal	1,823	1,863	1,892	1,856	1,848
State and local	3,960	4,003	4,001	3,829	3,846

See explanatory notes, sections A-G, and the glossary for definitions.

TABLE 2: All Employees and Production Workers in Mining and Manufacturing Industries

(In thousands)

Industry group and industry	All employees			Production workers		
	1949			1949		
	November	October	September	November	October	September
MINING	914	593	948	--	--	--
METAL MINING	85.1	64.8	91.7	75.0	54.0	80.9
Iron mining	30.0	9.2	35.5	27.0	6.0	32.2
Copper mining	21.2	21.2	21.1	18.8	18.8	18.6
Lead and zinc mining	17.3	17.1	18.0	15.0	14.7	15.6
ANTHRACITE	76.7	76.2	75.6	72.1	71.6	71.1
BITUMINOUS-COAL	402.1	99.8	421.1	372.7	77.1	395.0
CRUDE PETROLEUM AND NATURAL GAS PRODUCTION	254.7	256.6	260.7	--	--	--
Petroleum and natural gas production	--	--	--	124.5	126.2	128.7
NONMETALLIC MINING AND QUARRYING	95.5	95.8	98.7	82.6	83.1	85.8
MANUFACTURING	13,776	13,888	14,312	11,256	11,367	11,775
DURABLE GOODS	7,023	6,984	7,409	5,689	5,653	6,060
NONDURABLE GOODS	6,753	6,904	6,903	5,567	5,714	5,715
ORDNANCE AND ACCESSORIES	21.8	22.6	22.7	17.3	18.1	18.2
FOOD AND KINDRED PRODUCTS	1,540	1,629	1,703	1,182	1,271	1,340
Meat products	300.9	293.5	287.7	242.8	236.3	230.4
Dairy products	136.3	142.3	149.9	98.8	103.9	110.4
Canning and preserving	183.2	257.0	351.0	157.9	231.0	321.5
Grain-mill products	123.7	126.0	123.6	97.4	100.6	98.0
Bakery products	285.8	290.7	289.7	193.8	198.8	196.4
Sugar	49.6	48.4	30.7	44.7	43.7	26.7
Confectionery and related products	109.5	113.6	105.6	95.3	99.2	91.5
Beverages	211.1	214.6	222.4	145.8	148.7	157.3
Miscellaneous food products	139.9	142.9	142.5	105.9	108.9	107.8
TOBACCO MANUFACTURES	95	99	101	89	92	94
Cigarettes	26.9	26.9	27.0	24.4	24.4	24.5
Cigars	45.5	45.7	45.2	43.6	43.6	43.1
Tobacco and snuff	12.8	13.1	13.1	11.4	11.7	11.6
Tobacco stemming and redrying	10.2	12.9	16.0	9.2	11.9	14.9

See explanatory notes, sections A-G, and the glossary for definitions.

TABLE 2: All Employees and Production Workers in Mining and Manufacturing Industries (Continued)

(In thousands)

Industry group and industry	All employees			Production workers		
	1949			1949		
	November	October	September	November	October	September
TEXTILE-MILL PRODUCTS	1,272	1,257	1,220	1,185	1,169	1,132
Yarn and thread mills	156.2	153.4	148.5	147.0	144.5	139.5
Broad-woven fabric mills	601.5	595.1	577.0	572.0	564.8	547.0
Knitting mills	248.0	244.7	237.0	229.9	226.6	219.2
Dyeing and finishing textiles	89.6	87.4	85.4	80.0	78.1	76.0
Carpets, rugs, other floor coverings	58.1	57.7	55.9	50.5	49.9	48.1
Other textile-mill products	118.6	118.3	115.8	105.2	105.1	102.6
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	1,144	1,199	1,198	1,029	1,082	1,082
Men's and boys' suits and coats	133.2	142.2	146.5	119.9	129.0	133.4
Men's and boys' furnishings and work clothing	267.7	269.1	264.5	250.0	251.1	246.2
Women's outerwear	312.7	342.7	353.1	278.9	308.1	318.5
Women's, children's under garments	108.5	107.3	104.0	98.4	97.5	94.1
Millinery	18.4	23.8	24.0	15.6	20.8	21.2
Children's outerwear	66.4	68.5	67.9	60.7	63.0	62.3
Fur goods and miscellaneous apparel	95.6	98.2	95.5	84.1	86.4	83.8
Other fabricated textile products	141.9	146.7	142.2	121.3	125.7	122.0
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)	750	749	743	690	689	684
Logging camps and contractors	63.8	64.0	59.5	59.6	59.8	55.3
Sawmills and planing mills	440.1	443.1	445.4	411.3	413.4	416.0
Millwork, plywood, and prefabricated structural wood products	116.0	113.4	110.1	100.5	98.2	95.4
Wooden containers	73.0	72.0	71.7	67.4	66.8	66.4
Miscellaneous wood products	57.4	56.7	56.7	51.5	50.9	51.0
FURNITURE AND FIXTURES	327	327	319	283	284	277
Household furniture	232.4	231.1	223.9	206.6	205.6	198.8
Other furniture and fixtures	94.1	96.0	95.1	76.6	78.4	77.7

See explanatory notes, sections A-G, and the glossary for definitions.

TABLE 2: All Employees and Production Workers in Mining and Manufacturing Industries (Continued)

(In thousands)

Industry group and industry	All employees			Production workers		
	1949			1949		
	November	October	September	November	October	September
PAPER AND ALLIED PRODUCTS	458	456	448	393	392	384
Pulp, paper, and paperboard mills	229.3	228.1	225.6	200.6	199.6	197.0
Paperboard containers and boxes	125.4	124.2	119.4	107.6	106.4	101.9
Other paper and allied products	102.8	104.0	102.9	84.8	85.8	84.8
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	733	735	728	499	500	495
Newspapers	287.5	288.3	286.4	144.9	144.4	143.8
Periodicals	52.9	53.2	53.3	34.9	35.7	35.8
Books	45.5	45.4	45.1	36.5	36.5	36.3
Commercial printing	197.8	199.2	195.0	164.8	166.1	162.4
Lithographing	41.5	41.4	40.8	32.5	32.4	31.8
Other printing and publishing	108.1	107.8	107.3	85.2	85.1	84.5
CHEMICALS AND ALLIED PRODUCTS	661	664	654	485	488	478
Industrial inorganic chemicals	66.4	67.1	65.7	51.2	51.6	49.9
Industrial organic chemicals	187.1	185.8	184.7	142.9	141.4	139.8
Drugs and medicines	93.2	93.6	92.7	61.5	61.6	60.7
Paints, pigments, and fillers	67.6	67.9	66.3	43.7	44.0	42.3
Fertilizers	30.3	31.8	32.3	24.5	26.0	26.6
Vegetable and animal oils and fats	63.7	65.0	58.8	53.2	54.6	49.1
Other chemicals and allied products	152.3	153.1	153.7	108.2	109.1	109.1
PRODUCTS OF PETROLEUM AND COAL	245	242	247	187	185	189
Petroleum refining	196.7	197.6	199.2	147.5	148.4	149.2
Coke and byproducts	18.8	13.9	19.3	15.9	11.2	16.7
Other petroleum and coal products	29.0	30.4	28.4	24.0	25.3	23.5
RUBBER PRODUCTS	232	233	209	186	186	167
Tires and inner tubes	103.7	103.5	82.5	81.3	81.1	64.3
Rubber footwear	27.0	26.4	25.9	22.2	21.5	21.1
Other rubber products	101.5	102.9	100.9	82.0	83.3	81.4
LEATHER AND LEATHER PRODUCTS	373	390	395	332	349	354
Leather	49.7	49.4	49.1	45.2	44.9	44.6
Footwear (except rubber)	232.9	249.3	255.5	208.4	224.3	230.2
Other leather products	90.2	91.1	90.1	78.4	80.2	78.8

See explanatory notes, sections A-G, and the glossary for definitions.

TABLE 2: All Employees and Production Workers in Mining and Manufacturing Industries (Continued)

(In thousands)

Industry group and industry	All employees			Production workers		
	1949			1949		
	November	October	September	November	October	September
STONE, CLAY, AND GLASS PRODUCTS	479	478	482	411	411	414
Glass and glass products	123.2	123.2	122.7	107.7	107.5	106.9
Cement, hydraulic	40.6	40.5	42.4	34.8	34.8	36.5
Structural clay products	77.0	78.2	79.3	69.7	71.0	72.1
Pottery and related products	57.6	57.2	55.8	52.2	51.7	50.4
Concrete, gypsum, and plaster products	86.5	86.6	87.1	74.1	74.5	74.9
Other stone, clay, glass products	94.3	92.1	94.6	72.7	71.1	72.8
PRIMARY METAL INDUSTRIES	881	706	1,097	731	562	938
Blast furnaces, steel works, and rolling mills	383.8	195.0	572.5	314.7	134.1	498.7
Iron and steel foundries	195.2	198.1	200.5	168.8	171.4	173.4
Primary smelting and refining of nonferrous metals	46.1	47.8	51.0	38.2	39.3	41.8
Rolling, drawing, and alloying of nonferrous metals	76.6	85.5	83.0	62.3	70.0	67.2
Nonferrous foundries	73.9	76.3	74.0	62.4	64.1	62.0
Other primary metal industries	104.9	103.4	116.1	84.8	83.4	95.1
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)	821	827	863	666	676	708
Tin cans and other tinware	43.8	46.1	48.9	38.2	40.4	43.2
Cutlery, hand tools, and hardware	139.8	140.1	137.4	116.2	116.3	113.7
Heating apparatus (except electric) and plumbers' supplies	139.0	141.2	134.6	113.4	116.2	109.6
Fabricated structural metal products	178.4	172.0	202.1	132.9	128.2	155.8
Metal stamping, coating, and engraving	141.5	148.2	151.6	119.7	126.9	129.8
Other fabricated metal products	178.2	179.0	188.2	145.7	147.9	156.1
MACHINERY (EXCEPT ELECTRICAL)	1,208	1,222	1,236	908	922	935
Engines and turbines	66.4	64.5	67.6	48.4	46.7	49.3
Agricultural machinery and tractors	162.4	165.0	178.9	124.7	127.8	139.9
Construction and mining machinery	89.2	90.6	88.8	62.3	63.8	62.3
Metalworking machinery	195.3	197.8	199.1	145.9	148.0	149.1
Special-industry machinery (except metalworking machinery)	156.7	158.8	161.5	117.5	119.2	121.8
General industrial machinery	172.8	175.2	177.6	121.3	123.2	124.8
Office and store machines and devices	87.5	88.7	88.5	72.2	73.5	73.3
Service-industry and household machines	139.0	136.2	130.2	109.1	107.9	101.9
Miscellaneous machinery parts	139.0	143.9	143.5	106.8	112.3	112.1

See explanatory notes, sections A-G, and the glossary for definitions.

TABLE 2: All Employees and Production Workers in Mining and Manufacturing Industries (Continued)

(In thousands)

Industry group and industry	All employees			Production workers		
	1949			1949		
	November	October	September	November	October	September
ELECTRICAL MACHINERY	750	753	734	547	549	531
Electrical generating, transmission, distribution, and industrial apparatus	288.9	289.6	286.8	202.0	202.7	200.8
Electrical equipment for vehicles	59.0	65.9	65.4	43.7	50.5	49.6
Communication equipment	276.4	271.1	257.9	201.5	194.7	182.4
Electrical appliances, lamps, and miscellaneous products	125.7	125.8	124.0	99.3	101.0	97.9
TRANSPORTATION EQUIPMENT	1,095	1,207	1,240	881	985	1,017
Automobiles	683.3	789.0	810.2	567.8	665.1	686.3
Aircraft and parts	248.8	255.4	258.3	181.0	187.9	190.7
Aircraft	163.1	168.8	171.2	119.4	125.4	127.6
Aircraft engines and parts	51.3	52.1	52.4	36.8	37.6	37.9
Aircraft propellers and parts	8.1	8.2	8.2	5.4	5.5	5.5
Other aircraft parts and equipment	26.3	26.3	26.5	19.4	19.4	19.7
Ship and boat building and repairing	85.9	82.8	88.6	71.8	68.5	74.0
Ship building and repairing	75.4	72.5	77.9	63.3	60.2	65.4
Railroad equipment	65.2	68.0	71.2	50.6	53.0	56.2
Other transportation equipment	11.7	12.0	11.4	10.2	10.5	9.9
INSTRUMENTS AND RELATED PRODUCTS	234	235	233	174	174	172
Ophthalmic goods	25.7	25.8	26.0	20.9	20.8	21.0
Photographic apparatus	48.9	49.7	49.5	35.4	35.8	35.3
Watches and clocks	31.9	32.2	31.7	27.2	27.6	27.1
Professional and scientific instruments	127.5	126.8	125.8	90.1	89.4	88.3
MISCELLANEOUS MANUFACTURING INDUSTRIES	456	457	439	381	383	366
Jewelry, silverware, and plated ware	57.1	57.1	54.9	46.7	46.7	44.6
Toys and sporting goods	76.2	76.8	72.3	67.1	67.6	63.4
Costume jewelry, buttons, notions	63.5	64.5	62.9	53.1	53.8	52.2
Other miscellaneous manufacturing industries	258.7	258.6	248.5	213.7	214.7	205.5

See explanatory notes, sections A-G, and the glossary for definitions.

TABLE 3: Indexes of Production-Worker Employment and Weekly Pay Rolls in
Manufacturing Industries

(1939 Average = 100)

Period	Production-worker- employment index	Production-worker pay-roll index
<u>Annual average:</u>		
1939	100.0	100.0
1940	107.5	113.6
1941	132.8	164.9
1942	156.9	241.5
1943	183.3	331.1
1944	178.3	343.7
1945	157.0	293.5
1946	147.8	271.7
1947	156.2	326.9
1948	155.2	351.4
<u>1948</u>		
November	155.9	362.8
December	153.5	360.7
<u>1949</u>		
January	148.9	345.9
February	147.4	340.4
March	145.3	332.8
April	141.8	319.2
May	138.2	312.8
June	138.4	315.7
July	136.9	312.8
August	141.1	323.0
September	143.7	335.1
October	138.8	320.8
November	137.4	313.5

See explanatory notes, section D, and the glossary for definitions.

TABLE 4: Employees in Private and U. S. Navy Shipyards, by Region 1/

(In thousands)

Region	1949			1948	
	November	October	September	November	October
ALL REGIONS	146.2	146.1	158.8	202.7	205.4
PRIVATE	75.4	72.5	77.9	110.1	113.3
NAVY	70.8	73.6	80.9	92.6	92.1
NORTH ATLANTIC	71.5	73.2	79.4	97.1	98.7
Private	41.9	41.5	43.3	57.3	59.1
Navy	29.6	31.7	36.1	39.8	39.6
SOUTH ATLANTIC	23.5	24.3	26.7	31.5	31.4
Private	9.7	10.4	10.7	13.8	13.8
Navy	13.8	13.9	16.0	17.7	17.6
GULF:					
Private	11.0	9.3	11.4	18.0	17.6
PACIFIC	34.5	34.5	36.7	48.9	51.0
Private	7.1	6.5	7.9	13.8	16.1
Navy	27.4	28.0	28.8	35.1	34.9
GREAT LAKES:					
Private	2.4	2.5	2.3	3.0	2.5
INLAND:					
Private	3.3	2.3	2.3	4.2	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: Georgia, Virginia, North Carolina, and South Carolina.

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.

TABLE 5: Federal Civilian Employment and Pay Rolls in All Areas and in Continental United States, and Total Civilian Government Employment and Pay Rolls in Washington, D. C. ^{1/}

(In thousands)

Area and branch	Employment (as of first of month)			Pay rolls (total for month)		
	1949			1949		
	November	October	September	November	October	September
<u>All Areas</u>						
TOTAL FEDERAL	2,001.7	2,047.3	2,081.8	\$574,374	\$539,200	\$557,436
Executive	1,990.1	2,035.8	2,070.3	569,817	534,944	553,011
Defense agencies	817.2	860.3	886.9	236,851	222,221	230,016
Post Office Department	497.8	496.1	494.1	130,861	125,164	125,064
Other agencies	675.1	679.4	689.3	202,105	187,559	197,931
Legislative	8.0	7.9	7.9	3,137	2,936	2,968
Judicial	3.6	3.6	3.6	1,420	1,320	1,457
<u>Continental United States</u>						
TOTAL FEDERAL	1,843.2	1,882.8	1,912.2	534,323	501,628	518,493
Executive	1,831.7	1,871.4	1,900.8	529,808	497,411	514,109
Defense agencies	700.4	738.2	760.1	208,273	195,446	202,222
Post Office Department	495.9	494.2	492.2	130,376	124,700	124,596
Other agencies	635.4	639.0	648.5	191,159	177,265	187,291
Legislative	8.0	7.9	7.9	3,137	2,936	2,968
Judicial	3.5	3.5	3.5	1,378	1,281	1,416
<u>Washington, D. C.</u>						
TOTAL GOVERNMENT	239.7	240.8	242.4	79,456	73,813	77,040
D. C. government	20.0	19.5	19.4	5,513	5,185	5,379
Federal	219.7	221.3	223.0	73,943	68,628	71,661
Executive	211.1	212.8	214.5	70,554	65,458	68,457
Defense agencies	66.1	68.1	69.5	21,684	20,137	20,921
Post Office Department	7.9	7.7	7.8	2,777	2,685	2,737
Other agencies	137.1	137.0	137.2	46,093	42,636	44,799
Legislative	8.0	7.9	7.9	3,137	2,936	2,968
Judicial	.6	.6	.6	252	234	236

See the glossary for definitions.

^{1/} Data for Central Intelligence Agency are excluded.

12.

TABLE 6: Personnel and Pay of the Military Branch of the Federal Government ^{1/}

(In thousands)

Designation	1949			1948	
	November	October	September	November	October
PERSONNEL (as of first of month)					
Total	1,605	1,614	1,629	1,611	1,586
<u>By branch:</u>					
Army	657	656	656	647	636
Air Force	417	418	420	410	406
Navy	425	432	444	446	438
Marine Corps	83	84	86	87	86
Coast Guard	23	24	24	21	21
<u>By sex:</u>					
Men	1,585	1,595	1,610	1,597	1,573
Women	20	20	19	14	13
PAY (for entire month)					
Total	\$328,611	\$331,512	\$304,426	\$298,971	\$294,843
<u>By branch:</u>					
Army	123,380	123,001	116,312	^{2/} 191,206	^{2/} 183,593
Air Force	88,346	89,342	78,679	^{2/}	^{2/}
Navy	96,381	98,239	88,911	88,418	91,927
Marine Corps	15,165	15,575	15,221	14,555	14,667
Coast Guard	5,338	5,355	5,303	4,792	4,657
<u>By type of pay:</u>					
Pay rolls	303,682	305,301	272,386	264,137	259,175
Mustering-out and leave pay	1,776	2,290	2,492	6,300	7,416
Family allowance	23,153	23,921	29,547	28,534	28,253

See the glossary for definitions.

^{1/} Because of rounding, the individual figures may not add to group totals.^{2/} Separate figures for Army and Air Force are not available. Combined data are shown under Army.

TABLE 7: Employees in Nonagricultural Establishments
by Industry Division, by State
(In thousands)

State	Total			Mining			Contract construction		
	1949		1948	1949		1948	1949		1948
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
Alabama				17.8	7.2	31.1			
Arizona	153.1	150.6	155.7	12.6	12.6	13.7	10.3	10.3	12.2
Arkansas	285.9	283.0	296.3	6.7	5.6	8.0	15.7	15.3	16.4
California*	3,014.2	3,052.4	3,097.1	32.4	32.0	34.5	174.2	178.3	195.7
Colorado									
Connecticut	719.9	717.4	778.2	2/	2/	2/	32.8 ^{2/}	34.2 ^{2/}	34.7 ^{2/}
Delaware*									
Dist. of Columbia									
Florida 1/				6.2	6.2	5.4			
Georgia	724.4	727.5	750.7	3.9	3.9	4.2	37.6	38.7	34.9
Idaho	126.3	127.0	128.4	4.2	3.5	5.7	9.3	10.4	9.0
Illinois*	N.A.	3,017.2	3,229.7	N.A.	29.9	48.6	117.7	123.9	118.1
Indiana	1,137.8	1,113.5	1,224.9	14.1	6.8	15.7	50.0	52.4	50.9
Iowa				2.8	2.7	3.7			
Kansas	453.4	451.7	454.1	17.3	17.1	17.8	29.3	31.1	30.0
Kentucky									
Louisiana									
Maine	249.1	258.5	262.1	.6	.6	.7	10.0	10.6	11.9
Maryland*	677.7	661.7	723.5	2.6	1.3	3.4	50.1	51.1	57.5
Massachusetts*	1,639.4	1,641.5	1,733.7	3/	3/	3/	57.8	57.3	67.0
Michigan									
Minnesota	779.1	770.0	805.5	15.7	3.9	15.8	38.8	41.6	40.6
Mississippi									
Missouri	1,109.1	1,109.2	1,143.5	9.4	9.6	10.6	43.1	44.4	46.2
Montana	150.2	150.4	149.4	9.7	9.5	10.4	10.5	10.9	10.3
Nebraska									
Nevada				2.4	2.5	3.6			
New Hampshire 1/	162.2	164.0	167.3	.2	.2	.3	8.0	8.2	8.0
New Jersey*	1,490.2	1,499.1	1,584.9	3.5	3.4	4.1	67.7	66.8	73.7
New Mexico	135.1	135.4	130.6	10.5	10.3	12.3	16.1	16.3	12.8
New York	5,505.5	5,537.1	5,649.2	10.6	10.6	11.6	228.3	234.0	228.4
North Carolina									
North Dakota 1/				.8	.8	.8			
Ohio									
Oklahoma	459.7	460.6	472.1	42.7	42.7	44.7	26.8	27.1	26.4
Oregon									
Pennsylvania	3,951.9	3,193.3	3,701.9	198.1	99.8	205.0	152.1	156.9	161.3
Rhode Island	281.2	282.5	295.5	3/	3/	3/	11.2	11.6	13.1
South Carolina 1/									
South Dakota				N.A.	2.5	2.2			
Tennessee	713.8	716.6	749.5	13.5	9.2	15.0	49.8	51.2	51.4
Texas*	N.A.	N.A.	1,778.2	101.9	101.9	100.7	N.A.	N.A.	120.0
Utah	179.0	182.0	186.0	12.0	11.0	10.0	11.0	12.0	12.0
Vermont	94.5	95.6	97.7	1.1	1.0	1.1	4.6	4.9	4.9
Virginia 1/									
Washington 1/	645.4	664.3	686.6	3.6	3.5	3.5	38.3	41.8	51.0
West Virginia									
Wisconsin	956.8	967.5	1,000.2	3.0	2.4	3.6	40.6	42.9	41.3
Wyoming	82.5	83.0	82.0	.8	.6	.9	7.4	7.6	8.8

See footnotes at end of table and explanatory notes, sections G and H.

TABLE 7: Employees in Nonagricultural Establishments
by Industry Division, by State
(In thousands)

State	Manufacturing			Transp. & Pub. Util.			Trade		
	1949		1948	1949		1948	1949		1948
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
Alabama	193.3	184.9	226.0						
Arizona	15.2	14.7	15.1	21.4	20.9	21.5	37.7	37.0	38.7
Arkansas	69.7	69.6	77.6	31.4	30.6	32.7	70.0	69.6	71.0
California	711.3	737.6	738.3	312.5	313.1	308.5	752.2	745.5	788.9
Colorado	55.6	56.9	58.5						
Connecticut	347.5	344.0	399.8	41.8	42.1	43.5	122.6	121.2	125.5
Delaware	41.3	42.3	45.2						
Dist. of Columbia	17.5	17.4	16.7						
Florida	88.0	83.9	97.1	66.0	63.9	68.3			
Georgia	263.0	263.3	277.6	63.5	64.2	69.4	165.1	164.4	173.7
Idaho	21.6	22.4	22.6	16.2	16.1	16.2	34.5	33.9	34.6
Illinois	N.A.	1,095.9	1,242.7	N.A.	284.1	309.1	N.A.	645.0	688.8
Indiana	494.3	476.8	562.0	96.7	97.1	106.1	233.9	230.0	243.8
Iowa	144.7	145.8	154.2	59.5	59.9	61.6			
Kansas	86.6	87.7	87.8	60.2	57.6	63.4	121.9	119.4	118.8
Kentucky	121.7	124.3	136.1						
Louisiana	N.A.	N.A.	152.6						
Maine	101.1	108.1	110.6	18.5	18.6	19.3	48.9	49.0	49.8
Maryland	207.5	192.0	233.2	68.1	67.3	78.9	123.8	122.3	130.1
Massachusetts	642.6	647.3	722.8	135.4	135.4	134.8	326.1	321.1	345.3
Michigan	906.7	986.2	1,075.3						
Minnesota	185.7	185.0	197.5	84.8	86.9	89.3	212.2	210.7	224.9
Mississippi	83.3	82.0	90.0						
Missouri	324.6	331.7	349.6	120.5	111.5	123.7	294.7	291.8	298.6
Montana	19.6	19.8	19.7	21.8	21.9	22.3	38.3	38.0	39.0
Nebraska	46.4	46.4	50.0						
Nevada	3.0	3.0	3.4	8.0	8.0	8.5	11.0	11.0	11.0
New Hampshire	74.0	74.6	79.5	10.3	10.4	11.1	28.1	27.8	28.0
New Jersey	652.0	657.8	740.9	133.2	133.9	140.9	251.2	250.0	253.1
New Mexico	10.4	10.6	9.3	14.5	14.4	14.7	32.7	32.3	31.6
New York	1,763.3	1,794.2	1,884.7	514.2	516.4	539.6	1,232.2	1,214.3	1,254.2
North Carolina	399.5	399.3	407.9						
North Dakota	6.0	6.1	6.4				36.9	36.6	37.4
Ohio	1,023.1	997.6	1,235.7						
Oklahoma	60.8	60.2	67.4	48.4	48.4	50.7	116.0	115.6	119.0
Oregon	142.2	149.5	143.2						
Pennsylvania	1,248.5	1,180.1	1,525.7	300.0	299.5	336.7	662.2	657.8	690.0
Rhode Island	136.3	135.8	145.7	16.5	16.8	17.8	51.6	50.9	52.3
South Carolina	200.5	201.8	208.7						
South Dakota	N.A.	11.4	11.6	N.A.	11.0	11.7	N.A.	38.3	38.2
Tennessee	228.9	236.7	252.1	57.8	57.7	62.3	164.8	162.4	170.2
Texas	334.9	338.9	358.0	232.3	229.9	231.6	411.6	406.0	409.0
Utah	27.0	28.0	30.0	20.0	20.0	22.0	43.0	43.0	45.0
Vermont	33.8	33.9	36.7	9.6	9.7	10.3	17.6	17.6	17.1
Virginia	219.4	220.9	237.2						
Washington	165.5	173.0	181.7	63.9	65.1	62.7	154.4	157.0	165.9
West Virginia	121.2	121.4	140.4						
Wisconsin	384.5	392.1	430.7	72.7	73.2	79.6	196.1	194.0	200.3
Wyoming	7.3	7.7	6.9	14.4	14.4	14.0	18.2	18.0	16.8

See footnotes at end of table and explanatory notes, sections G and H.

TABLE 7: Employees in Nonagricultural Establishments
by Industry Division, by State
(In thousands)

State	Finance			Service			Government		
	1949		1948	1949		1948	1949		1948
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
Alabama							94.8	95.9	94.5
Arizona	4.5	4.5	4.4	19.5	18.7	19.0	31.9	31.9	31.1
Arkansas	7.4	7.2	7.2	34.5	34.7	34.0	50.4	50.4	49.4
California	143.4	143.4	143.0	376.6	378.9	373.9	511.6	523.6	514.3
Colorado									
Connecticut	36.4	36.4	35.9	74.1	74.6	74.9	64.7	64.9	63.8
Delaware									
Dist. of Columbia									
Florida	30.8	30.3	27.5						
Georgia	23.7	23.7	23.2	60.0	59.8	61.6	107.6	109.5	106.1
Idaho	3.5	3.5	3.3	13.5	13.5	13.7	23.5	23.7	23.3
Illinois	N.A.	155.9	152.0	N.A.	355.8	355.8	N.A.	326.7	314.6
Indiana	32.9	33.1	33.3	90.0	90.1	90.5	126.0	127.2	122.7
Iowa							92.7	93.3	90.3
Kansas	15.3	15.4	14.7	46.7	46.7	47.3	76.1	76.7	74.3
Kentucky									
Louisiana									
Maine	6.7	6.6	6.8	24.2	25.1	23.4	39.1	39.9	39.6
Maryland	30.0	29.8	29.1	105.5	105.7	102.9	90.1	92.2	88.4
Massachusetts	76.8	76.6	76.1	198.9 ^{2/3}	199.4 ^{3/4}	194.6 ^{3/4}	201.7	204.4	193.1
Michigan									
Minnesota	34.9	34.8	33.6	95.4	96.0	96.1	111.6	111.1	107.7
Mississippi									
Missouri	50.6	51.1	51.3	130.3	131.5	130.0	135.9	137.6	133.5
Montana	3.7	3.7	3.6	19.3	19.3	17.7	27.3	27.3	26.4
Nebraska									
Nevada	1.1	1.1	1.0	10.8	11.4	10.9	10.4	10.4	9.6
New Hampshire	4.4	4.4	4.4	17.8	18.8	17.1	19.5	19.7	19.0
New Jersey	62.0	62.5	63.4	162.2	164.2	155.1	158.4	160.5	153.7
New Mexico	3.7	3.7	3.6	18.3	18.5	18.0	29.1	29.4	28.4
New York	382.9	382.3	380.4	714.1	717.1	711.9	659.8	668.2	638.4
North Carolina									
North Dakota	3.4	3.4	3.2				28.4	28.7	27.3
Ohio									
Oklahoma	17.8	17.8	17.9	57.4	57.7	57.2	89.8	91.1	88.8
Oregon									
Pennsylvania	114.0	114.6	112.0	344.4	346.7	342.1	332.6	337.9	329.1
Rhode Island	10.2	10.1	9.7	26.1 ^{3/4}	27.2 ^{3/4}	27.2 ^{3/4}	29.3	29.9	29.8
South Carolina									
South Dakota	N.A.	4.0	3.7	N.A.	13.9	13.9	N.A.	30.3	29.4
Tennessee	24.0	24.1	25.3	73.7	73.9	74.0	101.3	101.4	99.2
Texas	73.9	73.8	71.7	242.8	245.7	230.5	265.0	269.0	256.5
Utah	6.0	6.0	5.0	17.0	18.0	18.0	43.0	44.0	44.0
Vermont	2.7	2.8	2.7	10.7	11.1	10.4	14.4	14.6	14.4
Virginia									
Washington	23.6	23.7	23.8	75.0	75.9	77.1	121.3	124.3	121.1
West Virginia									
Wisconsin	36.1	36.2	33.1	106.3	107.9	97.2	117.6	118.7	114.3
Wyoming	1.5	1.5	1.6	9.2	9.6	9.0	14.2	14.4	14.0

See footnotes at end of table and explanatory notes, sections G and H.

TABLE 7: Employees in Nonagricultural Establishments,
by Industry Division, by State.

See explanatory notes, sections G and H.

* The manufacturing series for these States are based on the 1942 Social Security Board Classification (others are on the 1945 Standard Industrial Classification).

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

2/ The mining series have been combined with the contract construction division.

3/ The mining series have been combined with the service division.

N.A. - Not available.

EXPLANATORY NOTES

Sec. A. Scope of the BLS Employment Series - The Bureau of Labor Statistics publishes each month the number of employees in all nonagricultural establishments and in the 8 major industry divisions: mining, contract construction, manufacturing, transportation and public utilities, trade, finance, service, and government. Both all-employee and production-worker employment series are also presented for 21 major manufacturing groups, 108 separate manufacturing industries, and the durable and nondurable goods subdivisions. Within nonmanufacturing, total employment information is published for 34 series. Production-worker employment is also presented for most of the industry components of the mining division.

Hours and earnings information for manufacturing and selected nonmanufacturing industries are published monthly in the Hours and Earnings Industry Report and in the Monthly Labor Review.

Sec. B. Definition of Employment - For privately operated establishments in the nonagricultural industries the BLS employment information covers all full- and part-time employees who were on the pay roll, i.e., who worked during, or received pay for, the pay period ending nearest the 15th of the month. For Federal establishments the employment period relates to the pay period ending prior to the first of the month; in State and local governments, during the pay period ending on or just before the last of the month. Proprietors, self-employed persons, domestic servants, unpaid family workers, and members of the armed forces are excluded from the employment information.

Sec. C. Comparability With Other Employment Data - The Bureau of Labor Statistics employment series differ from the Monthly Report on the Labor Force in the following respects: (1) The BLS series are based on reports from cooperating establishments, while the MRLF is based on employment information obtained from household interviews; (2) persons who worked in more than one establishment during the reporting period would be counted more than once in the BLS series, but not in the MRLF; (3) the BLS information covers all full- and part-time wage and salary workers in private nonagricultural establishments who worked during, or received pay for, the pay period ending nearest the 15th of the month; in Federal establishments during the pay period ending just before the first of the month; and in State and local government during the pay period ending on or just before the last of the month, while the MRLF series relates to the calendar week which contains the 8th day of the month; (4) proprietors, self-employed persons, domestic servants, and unpaid family workers are excluded from the BLS but not the MRLF series.

Sec. D. Methodology - Changes in the level of employment are based on reports from a sample group of establishments, inasmuch as full coverage is prohibitively costly and time-consuming. In using a sample, it is essential that a complete count or "bench mark" be established from which the series may be carried forward. Briefly, the BLS computes employment data as follows: first, a bench mark or level of employment is determined; second, a sample of establishments is selected; and third,

changes in employment indicated by this reporting sample are applied to the bench mark to determine the monthly employment between bench-mark periods. For example, if the latest complete data on employment for an industry were 40,200 in September, and if the industry has a reporting sample of 67 establishments employing 23,200 workers in September and 23,800 in October, the October figure would be prepared as follows:

$$40,200 \times \frac{23,800}{23,200} = 41,200$$

When a new bench mark becomes available, employment data prepared since the last bench mark are reviewed to determine if any adjustment of level is required. In general, the month-to-month changes in employment reflect the fluctuations shown by establishments reporting to the BLS, while the level of employment is determined by the bench mark.

The pay-roll index is obtained by dividing the total weekly pay roll for a given month by the average weekly pay roll in 1939. Aggregate weekly pay rolls for all manufacturing industries combined are derived by multiplying gross average weekly earnings by production-worker employment.

Sec. E. Sources of Sample Data - Approximately 120,000 cooperating establishments furnish monthly employment and pay-roll schedules, by mail, to the Bureau of Labor Statistics. In addition, the Bureau makes use of data collected by the Interstate Commerce Commission, the Civil Service Commission and the Bureau of the Census.

APPROXIMATE COVERAGE OF MONTHLY SAMPLE USED IN
BLS EMPLOYMENT AND PAY-ROLL STATISTICS

Division or industry	Number of establishments	Employees	
		Number in sample	Percent of total
Mining	2,700	460,000	47
Contract construction	15,000	450,000	23
Manufacturing	35,200	8,845,000	62
Transportation and public utilities:			
Interstate railroads (ICC)	--	1,359,000	98
Rest of division (BLS)	10,500	1,056,000	41
Trade	46,300	1,379,000	15
Finance	6,000	281,000	16
Service:			
Hotels	1,200	115,000	25
Laundries and cleaning and dyeing plants	1,700	86,000	17
Government:			
Federal (Civil Service Commission)	---	1,885,000	100
State and local (Bureau of Census--quarterly)	---	2,400,000	62

Sec. F. Sources of Bench-Mark Data - Reports from Unemployment Insurance Agencies presenting (1) employment in firms liable for contributions to State unemployment compensation funds, and (2) tabulations from the Bureau of Old-Age and Survivors Insurance on employment in firms exempt from State unemployment insurance laws because of their small size comprise the basic sources of bench-mark data for nonfarm employment. Most of the employment data in this report have been adjusted to levels indicated by these sources for 1947. Special bench marks are used for industries not covered by the Social Security program. Bench marks for State and local government are based on data compiled by the Bureau of the Census, while information on Federal Government employment is made available by the U. S. Civil Service Commission. The Interstate Commerce Commission is the source for railroads.

Bench marks for production-worker employment are not available on a regular basis. The production-worker series are, therefore, derived by applying to all-employee bench marks the ratio of production-worker employment to total employment, as determined from the Bureau's industry samples.

Sec. G. Industrial Classification - In the BLS employment and hours and earnings series, reporting establishments are classified into significant economic groups on the basis of major postwar product of activity as determined from annual sales data. The following references present the industry classification structures currently used in the employment statistics program.

- (1) For manufacturing industries - Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Bureau of the Budget, November 1945;
- (2) For nonmanufacturing industries - Industrial Classification Code, Federal Security Agency, Social Security Board, 1942.

Sec. H. State Employment - State data are collected and prepared in cooperation with various State Agencies as indicated below. The series have been adjusted to recent data made available by State Unemployment Insurance Agencies and the Bureau of Old-Age and Survivors Insurance. Since some States have adjusted to more recent bench marks than others, and because varying methods of computation are used, the total of the State series differs from the national total. A number of States also make available more detailed industry data and information for earlier periods which may be secured directly upon request to the appropriate State Agency.

The following publications are available upon request from the BLS Regional Offices or the Bureau's Washington Office:

Nonagricultural Employment, by State, 1943 - 1947; 1948.

Employment in Manufacturing Industries, by State, 1943 - 1946; 1947; 1948.

COOPERATING STATE AGENCIES

Alabama - Dept. of Industrial Relations, Montgomery 5.
Arizona - Unemployment Compensation Div., Employment Security Commission, Phoenix.
Arkansas - Employment Security Div., Dept. of Labor, Little Rock.
California - Div. of Labor Statistics and Research, Dept. of Industrial Relations, San Francisco 3.
Colorado - Dept. of Employment Security, Denver 2.
Connecticut - Employment Security Div., Dept. of Labor and Factory Inspection, Hartford 15.
Delaware - Federal Reserve Bank of Philadelphia, Philadelphia 1, Pa.
District of Columbia - U. S. Employment Service for D. C., Washington 25.
Florida - Unemployment Compensation Div., Industrial Commission, Tallahassee.
Georgia - Employment Security Agency, Dept. of Labor, Atlanta 3.
Idaho - Employment Security Agency, Boise.
Illinois - Div. of Placement and Unemployment Compensation, Dept. of Labor, Chicago 54.
Indiana - Research and Statistics Section, Employment Security Div., Indianapolis 9.
Iowa - Employment Security Commission, Des Moines 9.
Kansas - Employment Security Div., State Labor Dept., Topeka.
Kentucky - Bureau of Employment Security, Dept. of Economic Security, Frankfort.
Louisiana - Div. of Employment Security, Dept. of Labor, Baton Rouge 4.
Maine - Employment Security Commission, Augusta.
Maryland - Employment Security Board, Dept. of Employment Security, Baltimore 1.
Massachusetts - Div. of Statistics, Dept. of Labor and Industries, Boston 10.
Michigan - Unemployment Compensation Commission, Detroit 2.
Minnesota - Div. of Employment and Security, Dept. of Social Security, St. Paul 1.
Mississippi - Employment Security Commission, Jackson.
Missouri - Div. of Employment Security, Dept. of Labor and Industrial Relations, Jefferson City.
Montana - Unemployment Compensation Commission, Helena.
Nebraska - Div. of Employment Security, Dept. of Labor, Lincoln 1.
Nevada - Employment Security Dept., Carson City.
New Hampshire - Employment Service and Unemployment Compensation Div., Bureau of Labor, Concord.
New Jersey - Dept. of Labor and Industry, Trenton 8.
New Mexico - Employment Security Commission, Albuquerque.
New York - Research and Statistics, Div. of Placement and Unemployment Insurance, Dept. of Labor, New York 17.
North Carolina - Dept. of Labor, Raleigh.
North Dakota - Unemployment Compensation Division, Bismarck.

Ohio - Bureau of Unemployment Compensation, Columbus 16.
 Oklahoma - Employment Security Commission, Oklahoma City 2.
 Oregon - Unemployment Compensation Commission, Salem.
 Pennsylvania - Federal Reserve Bank of Philadelphia, Philadelphia 1
 (mfg.); Bureau of Research and Information, Dept. of
 Labor and Industry, Harrisburg (nonmfg.).
 Rhode Island - Dept. of Labor, Providence 2.
 South Carolina - Employment Security Commission, Columbia 10.
 South Dakota - Employment Security Dept., Aberdeen.
 Tennessee Dept. of Employment Security, Nashville 3.
 Texas - Employment Commission, Austin 19.
 Utah - Dept. of Employment Security, Industrial Commission,
 Salt Lake City 13.
 Vermont - Unemployment Compensation Commission, Montpelier.
 Virginia - Div. of Research and Statistics, Dept. of Labor and Industry,
 Richmond 14.
 Washington - Employment Security Dept., Olympia.
 West Virginia Dept. of Employment Security, Charleston 5.
 Wisconsin Industrial Commission, Madison 3.
 Wyoming - Employment Security Commission, Casper.

GLOSSARY

All Employees or Wage and Salary Workers - In addition to production and related workers as defined elsewhere, includes workers engaged in the following activities: executive, purchasing, finance, accounting, legal, personnel (including cafeterias, medical, etc.), professional and technical activities, sales, sales-delivery, advertising, credit collection, and in installation and servicing of own products, routine office functions, factory supervision (above the working foremen level). Also includes employees on the establishment pay roll engaged in new construction and major additions or alterations to the plant who are utilized as a separate work force (force-account construction workers).

Continental United States - Covers only the 48 States and the District of Columbia.

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 pay rolls of Federal, State, and local government, public utilities, and private establishments, are excluded from contract construction and included in the employment for such establishments.

Defense Agencies - Covers civilian employees of the National Military Establishment, Maritime Commission, National Advisory Committee for Aeronautics, The Panama Canal, Philippine Alien Property Administration, Philippine War Damage Commission, Selective Service System, War Assets Administration, Office of Defense Transportation, National Security Resources Board, National Security Council.

Durable Goods - The durable goods subdivision includes the following major groups: ordnance and accessories; lumber and wood products (except furniture); furniture and fixtures; stone, clay, and glass products; primary metal industries; fabricated metal products (except ordnance, machinery, and transportation equipment); machinery (except electrical); electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

Federal Government - Executive Branch - Includes Government corporations (including Federal Reserve Banks and mixed-ownership banks of the Farm Credit Administration) and other activities performed by Government personnel in establishments such as navy yards, arsenals, hospitals, and on force-account construction. Data, which are based mainly on reports to the Civil Service Commission, are adjusted to maintain continuity of coverage and definition with information for former periods.

Finance - Covers establishments operating in the fields of finance, insurance, and real estate; excludes the Federal Reserve Banks and the mixed-ownership banks of the Farm Credit Administration which are included under Government.

Government - Covers Federal, State, and local governmental establishments performing legislative, executive, and judicial functions, as well as all government-operated establishments and institutions (arsenals, navy yards, hospitals, etc.), government corporations, and government force-account construction. Fourth-class postmasters are excluded from table 1, because they presumably have other major jobs; they are included, however, in table 5.

Indexes of Manufacturing Production-Worker Employment Number of production workers expressed as a percentage of the average employment in 1939.

Indexes of Manufacturing Production-Worker Weekly Pay Rolls - Production-worker weekly pay rolls expressed as a percentage of the average weekly pay roll for 1939.

Manufacturing - Covers only privately operated establishments; governmental manufacturing operations such as arsenals and navy yards are excluded from manufacturing and included with government.

Military Personnel - Represents persons on active duty as of the first of the month. Reserve personnel are excluded if on inactive duty or if on active duty for a brief training or emergency period.

Military Pay Rolls - Pay rolls represent obligations based on personnel count, plus terminal leave payments to currently discharged personnel. Leave payments to former or active personnel are included under mustering-out and leave payments. Cash payments for clothing-allowance balances are included under pay rolls in January, April, July, and October for Navy, Marine Corps, and Coast Guard, and at time of discharge for Army and Air Force. Family allowances represent Government's contribution.

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, tunnelling 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 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.

Pay Rolls - Private pay rolls represent weekly pay rolls of both full- and part-time production and related workers who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month, 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. Federal civilian pay rolls cover the working days in the calendar month.

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, product development, auxiliary production for plant's own use (e.g., power plant), and record-keeping and other services closely associated with the above production operations.

Service - Covers establishments primarily engaged in rendering services to individuals and business firms, including automobile repair services. Excludes all government-operated services such as hospitals, museums, etc., and all domestic service employees.

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 services incidental to the sales of goods.

Transportation and Public Utilities - Covers only privately-owned and operated enterprises 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. Government operated establishments are included under government.

Washington, D. C. - Data for the executive branch of the Federal Government also include areas in Maryland and Virginia which are within the metropolitan area, as defined by the Bureau of the Census.