Quarterly Employment and Pay Rolls Under Old-Age and Survivors Insurance, 1940

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Some 2 MILLION employers paid taxable wages to more than 31 million employees under the oldage and survivors insurance provisions of the Social Security Act during the last 3 months of 1940. In those 3 months, taxable wage payments exceeded \$8.5 billion. For the entire year, it is estimated that more than 35 million workers received almost \$33 billion in taxable wages.

These totals are derived from quarterly data compiled by the Bureau of Old-Age and Survivors Insurance, showing aggregate employment and pay rolls of the employers under its program. The data are tabulated from total figures which employers enter on their quarterly returns. They differ from the Bureau's annual tabulations of data from individual employee account records, and they have characteristics of their own which give them special value for a variety of purposes.

The quarterly tables show the number of employers reporting under old-age and survivors insurance, and also the distribution of those employers according to size of employing organization. They provide data which include almost 100 percent of the covered workers and taxable wages reported for each quarter, and therefore they serve as controls on the annual tabulations, which are on a sample basis. The quarterly tabulations also indicate the number of employees with taxable wages in the last pay period of each quarter. These tabulations are particularly uscful because they are available much earlier than the annual statistics of individual employees. By adjusting the quarterly figures, it is possible to obtain in advance approximate annual totals. The quarterly tabulations show distributions by State and industry, but not by personal characteristics of employees, such as age, sex, or race, or by amount of individual earnings. Such information must be obtained from the annual tabulations of individual employee account records.

In some respects, the State and industry data from the quarterly tabulations are more exact than the corresponding annual data. In the tabulation for any quarter or any year, it is necessary for technical reasons to allocate all the wages of each worker to one State and one industry. It may be assumed that there is less shifting of employees between States and industries in a single quarter than in an entire year; therefore, the quarterly tabulations probably are more useful than the annual data for determining the distribution of covered employment and wages among the various industries as well as among the States at successive intervals of time. Inasmuch as the annual tabulations of total employment for a given year include a larger proportion of workers who received taxable wages for only brief periods. the quarterly figures are less heavily weighted with short-term employees.

Tabulations have now been completed for the 4 quarters of 1940. The description and summary analysis here presented relate primarily to the 1940 data, but comparisons are also made with the employer tabulations for 1938 and 1939.²

The quarterly tabulations are subject to the limitations characterizing other old-age and survivors insurance data. They are confined to employment covered by the program and consequently do not include any wages that workers may have earned outside of covered employment. They also exclude wages in excess of \$3,000 received in any one year by a worker in the service of one employer.

Distributions by industry are at present restricted to a limited number of broad groups, most of which include numerous related industries. Moreover, on their taxable wage reports, employers who operated in more than one industry did not report their employees according to the industries in which they worked. For purposes of industry

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Data from the Bureau's 1940 employee tabulations will be published next fall in a volume titled Oid-Age and Survivers Insurance Statistics. Data for 1937, 1938, and 1939 have already been published in 2 volumes under the same title.

¹ Taxable wages for 1937 were reported semiannually. Employer tabulations were made for every quarter of 1938 and 1939, but those for 1938 were experimental and were not published in full. Quarterly data for 1939 were published in the 1939 issues of the Social Security Yearbook, pp. 66-74, and Old-Age and Survivors Insurance Statistics, pp. 328-334.

grouping, therefore, a variety of multi-industry "combinations" were first set up and multi-industry employers were classified according to these combinations. Then, for each State, the employment and pay rolls of the employers in each multi-industry combination were allocated to the industry group which represented the primary business of all employers in the combination in that State.

Certain differences between the quarterly and the annual tabulations should also be noted. Because of administrative considerations in processing the data, the quarterly tabulations include items of taxable wages which were suspended as incomplete or incorrect; but these items, if not later reinstated, were excluded from the annual tabulations. Both the quarterly and the annual tabulations exclude some delinquent reports, but because of differences in the cut-off dates the extent of the exclusions is not the same in the two cases.

The cut-off dates for the 1940 quarterly tabulations were set to include approximately 97 percent of the employment which, it is estimated, would ultimately be reported for each quarter. The proportion of total taxable pay rolls is also

about 97 percent. The proportion of the total number of employers, however, is estimated to be approximately 87 percent, because most of the delinquent employers whose reports were excluded operated small establishments.

The rule followed in selecting cut-off dates for 1940 quarterly tabulations was the same as for 1939. The quarterly data for 1939 and 1940. therefore, are approximately comparable. The quarterly tabulations for 1938, however, were made after nearly all reports of taxable wages for the year had been received; as a result they represent almost 99 percent of the ultimate totals. Changes in the number of covered workers and the amount of taxable pay rolls from 1938 to 1939 or 1940, therefore, cannot be determined from the employer data without allowing for the differences in the cut-off dates. Adjustment to a 100-percent basis has been made in the data shown in table 1. where comparisons are made between years.

Under the 1939 amendments to the Social Security Act, the wages of workers aged 65 and over were made taxable as a basis for benefits. and this extension applied retroactively to the year 1939. Thus, although wages of persons aged 65 and over were excluded from 1938 em-

Table 1.—Number of employers and employees, and amount of taxable and average wages under old-ago and survivors insurance, and percentage change from preceding year and preceding quarter, 1937–40 t

			Emplo	yees receiv	ing taxabl	o wages	Taxable wages				
Year and quarter	Employe	ers report- ple wages?	On last day or in last pay roll of quarter 1		Total dur	ing period	Т	otal	A verago per em- ployeo		
	Number (in thou- sands)	Percent- age change	Number (in thou- sands)	l'ercent- ago chango	Number (in thou- sands)	Percent- age change	Amount (in mil- lions)	Percent- age change	Amount	Percent- age change	
1937	(1)				32, 800		\$20, 300		\$803		
1938 January-March April-Juno July-Scottember October-December	(4) 1, 740 1, 783 1, 813 1, 833	+2.5 +1.7 +1.1	23, 000 23, 000 23, 800 23, 600	0.0 +3.5 -,9	31, 200 25, 100 25, 200 25, 900 26, 500	-4.9 +.4 +2.8 +2.3	20, 200 6, 447 0, 523 6, 505 0, 725	-10.6 +1.2 -,3 +3.4	840 287 259 251 254	-5.9 +.8 -3.1 +1.2	
1939. January-March April-June July-September October-December	(4) 1, 826 1, 891 1, 936 1, 977	4 +3. 0 +2. 4 +2. 1	24, 500 25, 300 20, 100 25, 700	+3.8 +3.3 +3.2 -1.5	33, 100 25, 400 20, 700 27, 400 28, 100	+6.1 -4.2 +5.1 +2.6 +3.6	20, 200 7, 040 7, 221 7, 497 7, 442	+11.5 +4.7 +2.0 +3.8 7	882 277 270 274 262	+5.0 +9.1 -2.5 +1.5 -4.4	
1940	2 056	1 +4, 1 +2, 1 +1, 6	26, 300 27, 200 28, 500 29, 400	+2, 3 +3, 4 +4, 8 +3, 2	35, 200 27, 400 28, 300 29, 700 31, 500	+0.3 -3.5 +3.3 +4.0 +0.1	32, 900 8, 070 8, 125 8, 129 8, 876	+12.7 +8.4 +.7 (1) +8.5	035 295 287 274 272	+6.0 +12.6 -2.7 -4.5 7	

¹ Partly estimated and subject to revision; annual totals and averages represent all taxable wages reported, including those for employees whose age, sex, and/or race were unknown or for raliroad lettrement account number holders, as well as taxable earnings in excess of \$3,000 a year. They differ slightly from other published figures.

1 Number of employers corresponds to number of employer returns. A return may relate to more than 1 establishment if employer operates several

Increase of less than 0.05 percent.

separate establishments but reports for concern as a whole.

Boginning with first quarter of 1940, figures in this column represent employees on pay roll for last pay period of quarter; prior to 1940, they represent employees on last working day or last pay roll of quarter.

Data not available.

ployer reports, they were included in reports for 1939 and 1940. The 1939 amendments also extended the coverage of old-age and survivors insurance, beginning January 1, 1940, to the crews of most American vessels and to the employees of national banks, of State member banks of the Federal Reserve System, and of certain other institutions partly owned by the United States Government. In view, however, of other changes which excluded some workers who previously were covered, the net effect of the 1939 amendments on the total number of covered employees was probably slight.³

Trend in Number of Employers and Employees

The number of employers ' reporting taxable wage payments under old-age and survivors insurance increased in almost every quarter during the 3 years 1938-40 (table 1). The 2,132,000 employers reporting in October-December 1940 exceeded by 155,000 or 8 percent the number who reported in the corresponding quarter of 1939; and by 299,000 or 16 percent those reporting in the last quarter of 1938. The increase over the first quarter of 1938 was 392,000 or 23 percent. The only breaks in the upward trend occurred in the first quarters of 1939 and 1940, both of which showed small decreases. This first-quarter decline appears to be a normal seasonal tendency resulting from winter slack in such industries as building construction. Year-end liquidations and consolidations are also contributing factors. The upward trend over the entire 3-year period, however, reveals clearly an increase in business activity, which was accelerated during 1940.

A similar upward trend is shown in the total number of employees ⁵ who received taxable wages at any time within a quarter. In October-December 1940, there were 31.5 million such workers. That figure was 3.1 million or 11 percent more than in the fourth quarter of 1939; 5.0

million or 19 percent more than in the fourth quarter of 1938; and 6.4 million or 25 percent more than in the first quarter of 1938. As in the case of the employers, the total number of employees increased steadily except for first-quarter declines in 1939 and 1940. The drop in January-March of each year, however, was much sharper for employees than for employers. The first quarter showed 1.1 million fewer employees in 1939 and 1.0 million fewer in 1940 than in the fourth quarter of the preceding years. These were decreases of 4.2 and 3.5 percent, respectively, as compared with declines of less than 0.5 percent in number of employers.

Except for this first-quarter drop, no regular tendency is apparent in the quarterly changes in number of employees. For example, the rate of increase was greatest in the third quarter in 1938, in the second quarter in 1939, and in the fourth quarter in 1940. Although a sharp increase might have been expected in the second quarter on account of seasonal recovery after the low first quarter, such an increase was unusually large only in 1939. With the trend of employment upward, the fourth quarter of each year showed the largest number of both employers and employees. It is apparent that the general upward movement has obscured the other fluctuations. Caution must be exercised, therefore, in drawing conclusions on seasonality from these figures. The data are unsuitable for seasonal analysis also because they are reported and compiled on a calendar-quarter basis and because they are total figures in which the seasonal fluctuations of many industries are combined.

Another measure of the trend in employment is provided by the total number of employees reported to be working on the last day or during the last pay-roll period of each quarter, as distinguished from the number reported as receiving taxable wages at some time within the quarter. There were 29.4 million last-pay-period employees reported for the fourth quarter of 1940. This number represented an increase of 3.7 million workers or 14 percent over the corresponding figure for 1939; 5.8 million or 25 percent over the

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⁴ See "Estimates of Coverage Under Federal Retirement Programs," Social Security Yearbook, 1939, pp. 30-31. See also discussion below on this point, p. 15.

⁴ Every employer who employs 1 or more workers covered by old-ago and survivors insurance must submit a separate report of taxable wages. A large organization which is ordinarily regarded as a single employer but which is divided into several separately incorporated ontities will be represented in the quarterly tabulations as several employers.

Number of employees in each quarter has been derived from taxable wage items reported by employers. The figures have been adjusted both for delinquent reports and for the employment of the same workers by 2 or more concerns during the quarter.

In reporting for 1938 and 1939, an employer had the option of giving the number of workers in his service on either the last day of the quarter or the last pay roll of the period. The results were not wholly satisfactory. Hence, beginning with 1940 all employers were required to report the number of employees as of the last pay period. The change, however, is not believed to have affected the approximate comparability of the totals.

last quarter of 1938; and 6.4 million or 28 percent over the first quarter of 1938. The first-quarter declines noted for 1939 and 1940 in the quarterly number of workers in covered employment do not appear either in the absolute figures or in the rate of change in number of last-pay-period employees. Instead, there was a drop in the number of last-pay-period employees in the last quarter of 1938 and 1939, but a rise in the corresponding period of 1940.

The total number of employees receiving taxable wages in any quarter always exceeds the number of last-pay-period employees, because the total for an entire quarter includes workers who have been employed less than a full quarter and are not working in the last pay period. Only once in the 12 quarters in 1938-40 did the difference between the two figures fall below 1 million. and in 6 quarters it exceeded 2 million. Each year, the difference was greatest in the fourth quarter, and the low point was reached in the first quarter. This difference results from a variety of factors. The 1 to 2 or 3 million employees who were not on the last pay roll of each quarter included short-term seasonal and casual workers, and in addition regularly employed workers who were away from work temporarily on account of holidays, vacations, illness, unentployment, or lay-offs in slack seasons or inventory periods. This latter category was probably substantial in number, and one which was larger in the second and fourth quarters than in the others. Still another segment were workers who had discontinued work on account of marriage, retirement, or death; and here again there was probably some seasonal variation.

None of the United States totals for number of employers and employees show any striking increases that could be clearly ascribed to the coverage changes of the 1939 amendments. The decrease in number of employers from October-December 1939 to January-March 1940 was only 2,000 as compared with 7,000 for the corresponding periods of 1938-39; but the number of employees in the last pay period increased only 600,000 as compared with 900,000 for the earlier period. These figures indicate that any net gain in coverage that may have resulted from the amendments was not large enough to outweigh other factors responsible for fluctuations in total employment.

Trend in Total Wages and Average Wages

Total taxable wages reported by employers increased by almost one-third from the first quarter of 1938 to the last quarter of 1940. In October-December 1940, wage payments totaled \$8.6 billion, a rise of more than \$1.1 billion or 15 percent over wages paid in the corresponding quarter of 1939; \$1.9 billion or 28 percent over the last quarter of 1938; and \$2.1 billion or 33 percent over January-March 1938. For the year 1940, taxable wages amounted to \$32.9 billion, an increase of 13 percent over 1939. Throughout the 3-year period, 1938-40, total wages rose in every quarter except 2—July-September 1938 and October-December 1939—when small decreases occurred.

Average quarterly wages also showed an upward trend, but the gains were more irregular. The highest quarterly average for the 3 years—\$295—came in January-March 1940. The 1939 high was \$277 (first quarter) and the 1938 high was \$259 (second quarter). The lowest quarterly averages were \$251 (third quarter 1938), \$262 (fourth quarter 1939), and \$272 (fourth quarter 1940). The average wage for the entire year 1940 is estimated to be \$935, in comparison with \$882 for 1939 and \$840 for 1938.

From the experience of a 3-year period, it may perhaps be concluded that average taxable wages will normally be high in the first 2 quarters and low in the last 2 quarters. The quarters with high average wages have also been the quarters of low total employment. This situation is probably due in part to the fact that regularly employed workers tend to have higher wage rates as well as higher total earnings than those who are less steadily employed. The latter half of the year, furthermore, is probably characterized by a proportionately larger number of short-term, seasonal employees, whose low earnings tend to depress the averages.

Still another factor is the \$3,000 taxable wage limitation. The earnings of high salaried employees for whom taxable wages of \$3,000 are reported in the first quarter raise the average wage for that quarter. Their earnings in the remaining quarters, however, are not reported because they are not taxable. The quarterly averages are similarly affected by the earnings of those whose taxable wages reach the \$3,000 limit by the end of the second or third quarter. These

high earnings make average taxable wages somewhat higher in the earlier quarters than in the later quarters of the year.

Employment and Wages by Industry

The quarterly data for 1940 have been tabulated to show, by industry, the number of workers receiving taxable wages as well as the total and average wages paid (table 2). In the discussion of these figures, it must be kept in mind that the industry and also the State tables are based on tabulations which exclude some delinquent reports and that, because of differences in cut-off dates, the exclusions are not the same for each quarter. The percentages of the estimated totals represented by the data are indicated in footnotes to the tables.

These differences result in some lack of comparability between quarters. They also affect to some extent comparisons between industries, because the percentage of delinquency in reporting varies from one industry to another. It is, therefore, not possible to draw conclusions based on small differences. The data do, nevertheless, reveal some marked characteristics which stand out clearly above these limitations.

It has already been pointed out that the fourth quarter of 1940 showed the largest aggregate number of employees as well as the largest total of taxable wages. In that quarter, 43 percent of all covered workers were employed in manufacturing industries (table 4). This group of workers received 48 percent of all wages, a proportion which indicates a relatively high level of earnings in manufacturing.

Although for manufacturing as a whole the proportion of aggregate wages was high as compared with the proportion of total employees, this relationship is not shown by each of the component industries. Only 10 of the 19 industry groups included had a similarly high wage ratio (table 2). These 10 industry groups represented 50 percent of all manufacturing employees and accounted for 60 percent of all manufacturing wages. Chief among them were iron and steel and their products; machinery other than electrical; and automobiles, bodies, and parts. Among the others were chemicals, electrical machinery, and printing and publishing.

Seven of the 9 remaining manufacturing industry groups showed a smaller proportion of wages

than of employees. The largest of these groups was food manufacturing, which accounted for 13 percent of all manufacturing employees and 12 percent of the taxable wages. Next came textile-mill products, and apparel and other finished articles made from fabrics. These include industries which, besides having a relatively large proportion of employees with low wage rates, are subject to marked seasonal fluctuations.

Second to manufacturing in total number of employees and in total taxable wages in the fourth quarter of 1940 was trade (table 4). In this broad industry division, however, the proportion of total employees (22 percent) was substantially larger than that of total wages (19 percent). This difference resulted in large part from the disparity between employment and wages shown by the largest trade group-retail general merchandising—which accounted for 25 percent of all employees in trade but for only 16 percent of the taxable wages. Similar but less marked disparities occurred in retail food and in retail apparel. On the other hand, wholesale trade, wholesale and retail trade combined, and retail automotive trade all showed substantially larger proportions of taxable wages than of emplovees.

Compared with trade as a whole, an even greater relative difference existed in the service occupations. As a whole, the service division accounted for 12 percent of all employees with taxable wages in the fourth quarter of 1940, but these 12 percent received only 8 percent of all taxable wages. The service groups in which the proportion of employees was high in relation to the proportion of wages received included eating and drinking places; hotels, furnished rooms, camps, and other lodging places; and amusement and recreation and related services not elsewhere classified. proportion of wages, on the other hand, was higher than the proportion of employees in personal service; business service; automobile-repair services, garages, and filling stations; repair services and miscellaneous hand trades; and amusement and recreation—motion pictures.

The 10 remaining broad industry divisions accounted for 24 percent of total employees and 25 percent of total taxable wages in the fourth quarter of 1940. Total wages were proportionately higher than the number of employees in all except contract construction, real estate, and the

Table 2.—Number of employees, amount of taxable wages and average wages, by quarter and by industry, 1940; and percentage distribution of employees and taxable wages within each industry division, fourth quarter, 1940 ¹

	Ja	nuary–March *			April-June		Jt	ıly-September			October-I)ocember	;	
industry 3		Taxable w	ages		Taxable w	ages		Taxable w	ages		Taxable w	ages	? Perce	ntage oution
	Em- ployees •	Amount	Aver- age per worker	Em- ployees 4	Amount	Aver- age per worker	Em- ployees •	Amount	Aver- age per worker	Em- ployecs 4	Amount	Aver- age per worker	Em- ployees	Taxable wages
Total	26, 519, 447	\$7, 853, 819, 662	\$296	27, 523, 815	\$7, 896, 496, 554	\$287	28, 722, 801	\$7, 856, 775, 778	\$274	30, 261, 841	\$8, 346, 188, 585	\$276		
Mining and quarrying	906, 897	295, 815, 442	326	892.894	277, 690, 513	311	916, 048	287, 031, 726	313	946, 126	296, 786, 923	314	100.0	100.0
Metalliferous mining	}	42, 146, 165 29, 516, 610 131, 012, 281	378 331 295	122, 896 84, 977 405, 547	45, 560, 728 25, 920, 436 108, 917, 460	371 305 269	122, 299 88, 688 423, 035	44, 951, 602 26, 532, 005 121, 586, 451	368 299 287	129, 588 90, 671 443, 071	47, 509, 094 27, 546, 363 130, 606, 458	367 304 295	13.7 9.6 46.8	16.0 9.3 44.0
production Nonmetallic mining and quarrying	186, 152 75, 549	75, 302, 698 17, 838, 288	405 236	187, 914 91, 560	74, 628, 266 22, 663, 623	397 248	181, 674 100, 352	69, 144, 517 24, 817, 151	381 247	183, 626 99, 170	66, 097, 251 25, 027, 757	360 252	19, 4 10, 5	22.3 8.4
Contract construction	1, 088, 074	255, 219, 453	235	1, 427, 787	359, 612, 003	252	1, 582, 300	396, 280, 586	250	1, 818, 082	456, 049, 177	251	100.0	100.0
General contractors—building con- struction	326, 848	78, 691, 726	241	419, 033	103, 932, 823	248	460, 811	114, 079, 408	248	585, 066	143, 903, 098	246	32.2	31.6
building construction	300, 926	67, 309, 913	224	437, 997	99, 427, 018	227	528, 973	116, 716, 602	221	603, 561	141,810,660	235	33.2	31, 1
tractors)	460, 300	109, 217, 814	237	570, 751	156, 252, 162	274	594, 516	165, 484, 576	278	629, 455	170, 335, 419	271	34.6	37.3
Manufacturing		3, 718, 152, 884	325	11, 585, 915	3, 645, 558, 904	315	12, 452, 123	3, 715, 617, 401	298	12, 867, 360	4, 025, 536, 217	313	100.0	100.0
Food manufacturing	1, 381, 202 121, 743 1, 315, 883	439, 302, 607 27, 368, 528 301, 029, 293	318 225 229	1, 555, 563 117, 435 1, 258, 703	454, 824, 029 28, 457, 915 262, 998, 664	292 242 209	1, 836, 533 117, 898 1, 319, 646	486, 031, 729 27, 142, 630 270, 500, 261	265 230 205	1,664,517 122,255 1,349,947	465, 991, 274 28, 311, 645 298, 253, 892	280 232 221	12.8 1.0 10.5	11.6 .7 7.4
made from fabrics	1, 020, 071 429, 933 443, 672	236, 136, 617 87, 874, 432 113, 605, 735	231 204 256	982, 930 457, 670 433, 355	205, 903, 528 97, 977, 571 116, 968, 777	209 214 258	1,030,791 495,650 473,989	222, 178, 215 103, 151, 654 116, 338, 127	216 208 245	1,064,560 537,681 495,262	231, 011, 536 110, 184, 839 126, 772, 801	217 205 260	8.3 4.2 3.8	5.7 2.7 3.2
Paper and allied products Printing, publishing, and allied industries Chemicals	325, 424 614, 489 557, 621	106, 954, 310 244, 049, 284 219, 298, 998	329 397 393	315,065 605,758 575,169	101, 416, 359 233, 333, 377 212, 466, 288	322 385 369	335, 371 593, 422 583, 391	102, 521, 751 209, 533, 928	306 353 347	330, 824 615, 258 602, 164	103, 175, 282 210, 863, 498 212, 086, 685	312 343 352	2.6 4.9 4.7	2.6 5.2 5.3
Products of petroleum and coal	203, 780 181, 184	93, 187, 216 65, 891, 471 100, 371, 919 121, 461, 234	457 364 243 307	212, 810 179, 850 390, 025 428, 560	94, 177, 270 64, 643, 272 86, 395, 515 137, 355, 035	443 359	217, 540 185, 627 399, 530 426, 814	202, 643, 627 89, 918, 023 64, 418, 638 92, 296, 418 129, 067, 720	413 347 231 302	212.654 196,687 414,283 443,701	85, 386, 210 69, 536, 603 95, 438, 641 138, 756, 475	402 354 230 313	1.7	2.1 1.7 2.4 3.4
Iron and steel and their products Nonferrous metals and their prod-	1, 387, 604	505, 838, 727	365	1, 338, 154	482, 851, 604	361	1, 479, 339	536, 060, 573	362	1, 590, 287	597, 947, 007	376 359	12.3	15.0
ucts Electrical machinery (including radios and refrigerators) Machinery other than electrical	456, 144	110, 943, 283 171, 405, 979 345, 631, 210	356 376 418	310, 878 471, 060 858, 888	109, 491, 932 176, 231, 829 351, 972, 622	352 374 410	337, 804 507, 807 899, 336	112, 780, 908 179, 874, 164 350, 052, 927	334 354 389	370, 922 551, 537 956, 855	133, 038, 178 198, 726, 195 385, 051, 613	360 402	4.3	4.9
Automobiles, bodies and parts Miscellaneous manufacturing	520, 639	247, 791, 556 180, 010, 485	476 332	508, 389 565, 653	239, 740, 122 188, 353, 195	472 333	574, 737 636, 898	219, 064, 396 202, 051, 712	381 317	631, 368 716, 598	294, 771, 049 238, 232, 494	467 332	4.9 5.6	7.3 5.9
Transportation	998, 111	298, 222, 827	299	1,009,999	313, 501, 499	310	1, 002, 252	300, 849, 124	300	1, 060, 282	317, 530, 774	299	100.0	100.0
Street, suburban and interurban railways (other than interstate rail- roads) and city and suburban bus lines. Trucking and/or warchousing for	163, 899	68, 991, 723	421	159, 424	67, 170, 231	421	131, 083	56, 444, 649	431	135, 461	58, 707, 398	419	12.8	17.9
hire. Other transportation, except water	400, 155	106, 519, 844	266	411,639	111, 971, 683	272	446, 055	114, 199, 545	256	507, 467	129, 303, 881	255	47.8	40.6
transportation Water transportation Services allied to transportation, not	152, 744 124, 088	46, 907, 269 38, 049, 156	307 307	156, 428 136, 988	46, 265, 779 50, 637, 908	296 370	152,760 134,125	44, 596, 928 50, 294, 963	292 375		46, 268, 377 47, 842, 689	293 393	14.9 11.5	14.6 15.1
elsewhere classified	157, 225	37, 754, 835	240	145, 520	37, 455, 898	257	138, 229	35, 313, 039	255	137, 556	37, 408, 429	272	13.0	11.8

Communications: telephone, relegrands, communications: telephone, relegrands of the communications of the problem	Public utilities.	886, 702	\$352, 797, 513	\$395	923,641	\$356, 434, 014	\$386	925, 521	\$345, 992, 694	\$374	930, 609	\$323, 588, 108	\$348	100.0	100.0
Interference and control of contr	Communications: telephone, tele-														
Deputing electric and case public services and case public services. 10, 56 5, 590, 100 22 22 22, 590 25, 500, 100 22 25, 500 21, 500 27, 500 20 22, 500 21, 500, 100 22 21, 500 21, 5	lated services	427, 241	157, 739, 519	369	442, 449	159, 268, 115	360	436, 879	153, 062, 776	350	433, 575	132, 111, 235	305	46.6	40.8
Services 19.5 hb 0.00, 100 253 2.49 1.19 1.29 255 5.492, 714 1.41 1.29 2.15 2.25 1.40 1.20 2.25 2.45 1.20 2.25	panies, electric and gas	439, 645	189, 457, 894	431	457, 643	191, 035, 474	417	466, 652	187, 173, 601	401	475, 136	185, 706, 182	391	51.0	57. 4
Wholesis trade. Wholesis and creat it rade combined. 1, 190, 34, 215, 698, 349, 319, 1, 170, 100 53, 314, 208, 209, 320, 320, 320, 320, 320, 320, 320, 320	services.	19, 816	5, 600, 100	283	23, 549	6, 130, 425	260	21, 990	5, 756, 317	262	21, 898	5, 768, 691	263	2.4	1.8
Holesels and retail trade combined. 122, 140 172, 150 30, 173, 95 310 172, 150 315, 175, 95 310 172, 150 32, 175, 95 310 172, 150 32, 175, 95 310 172, 150 32, 175, 95 310 172, 150 32, 175, 95 310 172, 150 32, 175, 95 310 172, 150 32, 175, 95 310 172, 150 32, 175, 95 310 172, 150 32, 175, 95 310 310, 95 310, 95	Trade	5, 822, 177	1, 516, 566, 768	260	5, 858, 140	1, 512, 986, 125	258	5, 952, 774	1, 451, 048, 827	244	6, 698, 259	1, 556, 970, 177	232	100.0	100.0
Bank and trust companies. Insertance and a sourity. Speculation. Specu	Wholesale and retail trade combined. Retail general merchandise. Retail food. Retail automotive Retail apparel.	1, 122, 140 1, 190, 334 88S, 994 416, 694 505, 190	357, 973, 995 218, 608, 349 196, 355, 939 124, 963, 946 107, 453, 591	319 154 221 300 213	1, 127, 010 1, 158, 758 929, 355 435, 339 485, 557	356, 314, 206 215, 752, 559 199, 558, 055 134, 507, 357 105, 395, 594	316 186 215 309 217	1, 168, 077 1, 197, 720 929, 945 429, 231 479, 755	210, 402, 285 195, 304, 748 124, 483, 254 100, 490, 228	294 176 210 290 209	1, 217, 597 1, 670, 695 956, 616 445, 152 565, 487	349, 760, 137 253, 849, 596 202, 921, 529 131, 663, 566 113, 628, 751	287 152 212 296 201	18. 2 25. 0 14. 3 6. 6 8. 4	22.5 16.3 13.0 8.5 7.3
Investment banking and security Specialism Speciali	Finance	420, 224	191, 086, 418	455	432, 760	178, 951, 049	414	409, 080	151, 996, 402	372	426, 785	155, 717, 393	365	100.0	100.0
Specialtion	Bank and trust companies	253, 467	116, 490, 805	460	260, 802	109, 130, 491	418	249, 639	95, 073, 841	361	260, 739	97, 167, 980	373	61. 1	62.4
Fed.	speculation.	71, 154	38, 072, 830	535	71, 539	34, 083, 161	476	61, 529	24, 589, 710	400	59, 100	23, 981, 940	406	13, 8	15.4
Insurance carrièrs	fled	95, 603	36, 522, 783	382	100, 419	35, 757, 397	356	97, 912	32, 332, 851	330	106, 946	34, 567, 473	323	25.1	22.2
Insurance agents and brokers	Insurance	477, 525	214, 440, 173	449	482, 210	202, 443, 446	420	472, 416	182, 594, 231	387	470, 802	168, 598, 894	358	100.0	100.0
Real estate dealers, agents, and brokers. Insurance, losars, law officers and holding companies. 12,913	Insurance carriers Insurance agents and brokers										400, 854 69, 948	146, 308, 045 22, 290, 849	365 319		86. 8 13. 2
Real estate, insurance, loans, law offices; any combination. Service	Real estate	429, 049	122, 995, 965	287	475, 054	129, 832, 811	273	459, 074	116, 546, 211	254	471, 592	126, 441, 705	268	100.0	100.0
Administrative offices and holding companies 12, 913 7, 457, 537 578 25, 669 12, 21, 307 445 14, 457 5, 480, 411 379 20, 206 7, 787, 599 385 4.3 6.2 Service 317, 1987 668, 583, 425 211 3, 503, 371 695, 775, 732 199 3, 556, 687 679, 405, 158 191 3, 497, 806 675, 917, 714 193 100.0 100.0 Hotels, furnished rooms, camps, and other lodging places 407, 675 68, 637, 168 168 474, 557 72, 474, 216 153 590, 010 82, 373, 738 162 446, 085 70, 649, 606 158 12.8 10.5 Eating and drinking places 583, 785 137, 827, 596 161 953, 950 148, 093, 622 155 983, 418 148, 803, 294 151 972, 623 144, 492, 580 159 27.8 22.9 Fersonal service not elsewhere classified 500, 100, 100, 100, 100, 100, 100, 100,	Real estate, insurance, loans, law		, .												•
Service	Administrative offices and holding	,	· ' '		· •	-							•		
Hotels, furnished rooms, camps, and other lodging places															
other lodeing places. 85, 785 68, 637, 168 168 943, 590 148, 093, 622 155 983, 181 148, 508, 224 151 972, 233 154, 493, 399 159 27, 8 22, 9 Personal service. 670, 686 135, 771, 631 202 709, 406 143, 028, 779 202 716, 824 138, 047, 756 193 717, 081 143, 411, 375 200 20. 5 21. 2 Business service not elsewhere classified. 834, 787 113, 907, 025 340 344, 405 107, 909, 276 313 334, 815 94, 803, 682 283 351, 840 38, 923, 824 257 10. 1 13. 9 Employment agencies and commercial and trade schools		3, 171, 987	663, 583, 423		3,503,371	695, 775, 782	199	3, 330, 687	0/9, 403, 138		3, 497, 500	015,811,114	193	100.0	
Employment agencies and commercial and trade schools. Automobile repair services, gardges and filling stations. Repair services and miscellaneous hand trades not elsewhere classified. Agricultural and horticultural services. Agricultural and horticultural services. Amusement and recreation: motion pictures. Amusement and recreation: motion pictures. Amusement and recreation and related services not elsewhere classified. 203, 294 65, 924, 995 76, 936, 497 81, 450, 228 77, 946, 829 77, 946, 829 81, 430, 495 81, 797 82, 797 83, 409 83, 923, 824 84, 964, 788 866 87, 946, 829 88, 923, 824 88, 920 823, 702 87, 686, 633, 438 829 820, 707, 183 820 820, 707, 946, 829 821 820, 707, 946, 829 821 821 822, 707, 183 820 823, 702 83, 707 84, 681, 426 820, 707, 183 820 820, 833, 582 820, 833, 582 820, 833, 583 820 83, 920, 833, 584 84, 681, 436, 438 84, 964, 788 866 87, 79, 946, 829 88, 820 89, 948 89, 948 80, 948 80, 948 80, 948 80, 948 80, 948 80, 948 80, 948 80, 948 80, 948 80, 948 94, 948 94, 948, 438, 419 94, 803, 682 84, 681, 428, 478 84, 681, 428, 478 84, 681, 428, 488 84, 681, 438, 496 84, 803, 682 84, 803, 682 84, 803, 682 84, 803, 682 84, 803, 682 84, 804, 788 84, 803, 682 84, 803, 682 84, 803, 682 84, 803, 682 85, 803, 803, 682 86, 633, 438 809 809, 803, 682 809, 803, 682 809, 803, 682 809, 803, 682 809, 803, 682 809, 803, 682 809, 803, 682 809, 803, 682 809, 803, 682 809, 803, 682 809,	other lodging places. Eating and drinking places. Personal service.	853, 785	137, 827, 586	161	953, 950	148, 039, 622	155	983, 418	148, 808, 294	151	972, 523	154, 492, 369	159	27.8	22. 9 21. 2
cial and trade schools	fied	334, 787	113, 907, 025	340	344, 405	107, 909, 276	313	334, 815	94, 803, 682	283	351, 840	93, 923, 834	267	10.1	
and filling stations. Repair services and miscellaneous hand trades not elsewhere classified. Servicultural and horticultural services and related services. 66, 412 11, 515, 495 173 81, 704 14, 751, 783 181 79, 333 12, 749, 892 161 83, 468 13, 639, 494 163 2.4 2.0 Amusement and recreation: motion pictures. Amusement and recreation and related services not elsewhere classified. 203, 294 65, 924, 595 324 202, 767 61, 871, 388 305 196, 166 53, 528, 668 273 197, 034 50, 113, 456 254 5.6 7.4 Amusement and recreation and related services not elsewhere classified. 224, 117 45, 352, 499 202 310, 962 53, 658, 356 173 309, 904 54, 706, 686 177 284, 559 49, 224, 474 173 8.1 7.3 Professional service. 294, 697 81, 450, 228 276 306, 407 80, 549, 023 263 304, 959 74, 634, 737 245 316, 288 80, 120, 105 253 100. 0 100. 0 Medical and other health services. 153, 862 33, 552, 105 218 160, 255 33, 754, 734 211 161, 676 33, 094, 023 205 161, 302 33, 497, 545 208 51. 0 41. 8 Law offices and related services. 83, 290 28, 602, 299 319 85, 969 26, 052, 863 303 85, 296 23, 641, 962 277 83, 439 23, 552, 316 282 26. 4 29. 4 Educational institutions and agencies. 18, 314 4, 718, 644 258 17, 720 4, 137, 323 233 14, 285 2, 578, 205 180 17, 766 4, 259, 379 240 5.6 5.3 Other professional and social service.	cial and trade schools	20, 797	5, 709, 395	275	18, 783	5, 063, 400	270	18, 737	4, 681, 426	250	18, 683	4, 964, 786	266		
fied	and filling stations Repair services and miscellaneous	300, 986	63, 426, 919	211	319, 321	66, 633, 438	209	323, 702	67, 635, 833	209	335, 682	70, 946, 829	211	9. 6	10. 5
lces and related services 66, 412 11, 515, 495 173 81, 704 14, 751, 783 181 79, 333 12, 749, 892 161 83, 468 13, 639, 494 163 2.4 2.0 Amusement and recreation: motion pictures 203, 294 65, 924, 595 324 202, 787 61, 871, 388 305 196, 166 53, 526, 668 273 197, 034 50, 113, 456 254 6.6 7.4 Amusement and recreation and related services not elsewhere classified 224, 117 45, 352, 499 202 310, 962 53, 658, 356 173 309, 904 54, 706, 686 177 284, 559 49, 224, 474 173 8.1 7.3 Professional service 294, 697 81, 450, 228 276 306, 407 80, 549, 023 203 304, 939 74, 634, 737 245 316, 228 80, 120, 105 253 100.0 100.0 Medical and other health services 153, 862 33, 552, 105 218 160, 255 33, 754, 734 211 161, 676 33, 094, 028 205 161, 302 33, 497, 545 208 51.0 41.8 Law offices and related services 83, 280 26, 602, 289 319 85, 969 26, 052, 863 303 85, 286 23, 641, 962 277 83, 439 23, 532, 310 282 28.4 29.4 Educational institutions and agencies 18, 314 4, 718, 644 258 17, 720 4, 137, 323 233 14, 285 2, 578, 205 180 17, 766 4, 259, 379 240 5.6 6.3 300 240 250 250 250 250 250 250 250 250 250 25	fled	39, 448	20, 511, 112	229	87, 51 6	22, 345, 474	255	84, 778	22, 071, 183	260	90, 851	24, 551, 491	270	2.6	
pictures	ices and related services	66, 412	11, 515, 495	173	81,704	14, 751, 783	181	79, 333	12,749,892	161	83, 468	, ,			
fied	pictures	203, 294	65, 924, 595	324	202, 767	61, 871, 388	305	196, 166	53, 526, 668	273	197, 034				
Medical and other health services	fled	224, 117	45, 352, 499	202	310, 962	53, 658, 356	173	309, 904							
Law offices and related services	Professional service	294, 697	81, 450, 228	276			263	304, 959							
agencies and institutions	Law offices and related services Educational institutions and agencies.	83, 280	26, 602, 269	319	160, 255 85, 969 17, 720	26, 052, 863	303	85,296	33, 094, 028 23, 641, 962 2, 578, 205	277	161, 302 83, 439 17, 766	23, 532, 310	282	26.4	29.4
	agencies and institutions	39, 241	16, 577, 210	422	42, 463	16, 604, 108	391	43, 702	15, 320, 542	351	53, 721	18, 830, 871	351	17.0	23. 5

notes at end of table.

Table 2.—Number of employees, amount of taxable wages and average wages, by quarter and by industry, 1940; and percentage distribution of employees and taxable wages within each industry division, fourth quarter, 1940 —Continued

	Isnuary-March:			April-June			July-September			October-December				
Industry ²		Taxable wages			Taxable wages			Taxable wages			Taxable w	ages		ntage bution
	Em- ployees 4	Amount	Aver- age per worker	Em- ployees 4	Amount	Aver- age per worker	Em- ployees (Amount	Aver- age per worker	Em- ployees 4	Amount	Aver- age per worker	Em- ployees	Taxable wages
Other	210, 738	\$53, 513, 195	\$254	210, 276	\$53, 707, 716	\$255	211, 841	\$53, 031, 252	\$250	234, 385	\$51, 827, 668	\$221	100.0	100.0
Private business organizations not elsewhere classified Membership organizations, such as trade associations, trade-unions, etc. Services for Government agencies §	88, 305 122, 253 180	16, 260, 186 37, 224, 218 28, 791	184 304 160	92, 519 117, 508 249	18, 174, 365 35, 487, 601 45, 750	196 302 184	103, 341 108, 275 225	21, 022, 108 31, 966, 736 42, 408	203 295 188	112, 367 121, 728 290	20, 823, 808 30, 947, 761 56, 299	185 254 194	47.9 52.0	40. 2 59. 7
Unclassified •	365, 705	84, 975, 371	232	415, 361	89, 453, 714	215	477, 726	101, 747, 429	213	523, 525	111, 105, 730	212	100.0	100.0

¹ Data in this table represent the following percentages of the estimated totals for each quarter: employees, first quarter, 96.8; second quarter, 97.3; third quarter, 96.7; fourth quarter, 96.1. Taxable wages, first quarter, 97.3; second quarter, 97.2; third quarter, 96.7; fourth quarter, 97.3.

² See text, pp. 13-14, for method of allocating multi-industry employer reports.

² First-quarter data were tabulated by State of headquarters of employing organizations. Data by State of employment of workers were estimated on basis of second-quarter tabulation before allocating workers and taxable wages of multi-industry employing organizations.

Includes such services as employment in fourth-class post offices and mail delivery under contract.
 Includes all industries which cannot be classified in any of the groups listed.

Table 3.—Number of employees, amount of taxable wages and average wages, by quarter and by State, and ratio of employees in the first quarter to population aged 14 years and over and to labor force 1, 1940?

,		Jan	иагу-М	arch *		April-June] ;	uly-September		October-December			
	Employees 4			Taxable wages			Taxable was	Ze3		Tarable wag	ges		Taxable w	rages	
Geographic division and State		As percen	t of—			**						Employees			
	Number	Population aged 14 years and over 1	Labor force 1	Amount	Average per em- ployee	Employees4	Amount	Average per em- ployee	Employees*	Amount	Average per em- ployee		Amount	Average per em- ployee	
Total	26, 519, 447	26.2	\$ 50. 1	\$7, 853, 819, 662	\$296	27, 523, 815	\$7, 896, 496, 554	\$287	28, 722, 801	\$7, 856, 775, 778	\$274	30, 261, 841	\$8, 346, 188, 585	\$276	
New England	2, 315, 049	34.6	64. 1	680, 422, 074	294	2, 360, 644	664, 869, 542	282	2, 497, 522	685, 502, 346	274	2, 599, 417	732, 563, 313	282	
Maine New Hampshire Vermont Massachusetts Rhode Island Connecticut	179, 039 119, 476 67, 763 1, 194, 023 226, 426 528, 322	27. 9 31. 0 24. 8 34. 7 39. 8 38. 4	54. 2 57. 7 47. 9 64. 8 70. 4 68. 6	41, 689, 906 29, 219, 846 16, 978, 032 364, 403, 851 58, 592, 733 169, 537, 706	233 245 251 305 259 321	191, 397 120, 830 73, 508 1, 202, 762 230, 627 541, 520	40, 238, 145 27, 829, 179 17, 809, 239 349, 951, 759 60, 593, 524 168, 447, 696	242 291 263	210, 328 129, 602 73, 621 1, 264, 364 242, 689 576, 918	44, 155, 754 30, 439, 164 17, 392, 882 357, 563, 309 62, 131, 482 173, 819, 755	210 235 236 283 256 301	194, 866 130, 166 68, 121 1, 340, 498 254, 507 611, 259	41, 936, 005 29, 854, 557 16, 612, 884 382, 681, 746 67, 936, 659 193, 541, 462	215 229 244 285 267 317	
Middle Atlantic	7, 510, 509	34. 2	63. 5	2, 455, 721, 929	327	7,666,019	2, 418, 216, 869	315	7, 852, 664	2, 354, 067, 547	300	8, 111, 940	2, 434, 778, 832	300	
New York New Jersey Pennsylvania	3, 864, 371 1, 152, 399 2, 493, 739	35. 4 34. 3 32. 5	64.6 62.0 62.5	1, 317, 995, 566 375, 846, 899 761, 879, 464	341 326 306	3, 970, 857 1, 181, 427 2, 513, 735	1, 291, 761, 308 373, 169, 170 753, 286, 391	325 316 300	4, 012, 788 1, 269, 191 2, 570, 685	1, 222, 729, 433 375, 981, 539 755, 356, 575	305 296 294	4, 211, 953 1, 244, 299 2, 655, 688	1, 280, 812, 796 382, 746, 066 791, 219, 970	299 308 298	

Derived from taxable wage items, with adjustments for delinquent reports and for employment of same employees by 2 or more concerns during the quarter. These figures include employment during the entire quarter; therefore the data are not comparable to the 1938 and 1939 quarterly tables which show the distribution of employees by industry on the basis of employment in the last pay period of the quarter.

East North Central	6, 276, 808	30.1					_							
Ohio	1, 616, 197		58.1		\$327		\$2,077,278,838	\$317	6, 864, 350	\$2,065, 229, 247	\$301	7, 180, 482	\$2, 244, 595, 233	\$313
Indiana	668, 111	29, 7 25, 1	58.6 50.2	526, 663, 304 195, 202, 066	326 292	1,691,891	536, 176, 356 201, 197, 890	317	1,784,850	549, 159, 417	308	1, 860, 519	581, 612, 241	212
Illinois	2.156.082	34.2	64.1	195, 202, 066 691, 572, 779	321	709, 411 2, 235, 819	694, 060, 843	284 310	776, 006 2, 239, 921	215, 083, 640 667, 740, 573	277	804, 818	234, 396, 542	291
Michigan Wisconsin		31.5	59.8	466, 130, 163	366	1, 321, 098	470, 940, 318	356	1, 437, 611	457, 868, 484	298 318	2, 337, 679 1, 547, 996	700, 356, 373	300
W ISCOUSIII	563, 145	23.4	45.9	172, 335, 578	306	588, 199	174, 903, 431	297	625, 962	175, 377, 133	280	629,470	541, 392, 383 186, 837, 694	313 221 300 350 297
West North Central	1, 870, 852	18.0	35.8	492, 129, 871	263	1, 984, 116	504, 445, 690	254	2, 070, 054	503, 994, 173	243	2, 126, 158	520, 289, 693	245
Minnesota	394, 898	18. 3	35.9	114, 705, 390	290	428, 649	118, 737, 561	277	465, 832	ļ 	ļ		·	·
Iowa	321,890	16.4	33.6	79, 646, 675	247	341, 731	82, 864, 238	212	362, 491	125, 010, 333 82, 474, 558	268	466, 397 368, 315	125, 127, 514	268
Missouri North Dakota	710, 971 42, 046	24.0 9.0	46.7	193, 518, 488	272	734, 094	192, 374, 735	262	741, 322	185,027, 185	228 250	767, 056	85, 958, 808 193, 290, 267	268 233 252 211 211
South Dakota	48,908	10.2	17. 8 20. 4	9, 541, 489 11, 521, 081	227 236	45, 331 53, 843	10, 182, 960	225	49, 304	10 808 967	219 225	51, 344	10, 852, 619	211
Nebraska	151, 655	15.0	30.3	37, 073, 341	244	164, 008	12, 263, 094 38, 903, 264	233	56, 220	12, 631, 054	225	59, 014	12, 934, 109	219
Kansas	200, 484	14.4	29. 9	46, 123, 407	230	216, 460	49, 119, 838	228 237 227	165, 780 229, 105	36, 620, 154 51, 421, 922	221 224	171, 389 242, 643	37, 864, 126 54, 262, 250	221 224
South Atlantic	2, 974, 692	22.9	42.7	701, 515, 017	236	3, 083, 264	699, 900, 418	227	3, 278, 328	702, 442, 757	214			
Delaware	70, 746	33.6	61. 9	00.000.007	~~~					<u></u>	219	3, 585, 089	781, 172, 112	218
Maryland	425, 796	30.0	55.5	22, 668, 687 116, 131, 308	320 273	77, 991 446, 831	23, 603, 209 118, 903, 964	303 266	80, 470 481, 749	22, 157, 632 120, 966, 221	275 251	92, 928 516, 532	28, 310, 617 135, 393, 331	305 262
District of Co- lumbia	171, 966	31.1	50.0	53, 347, 884	310	180, 568	55, 122, 089			, ,		ŕ	' '	ļ.
Virginia	417, 932	21.3	40.5	94, 688, 968	227	445, 925	99, 953, 340	305 224	186, 561 492, 625	53, 411, 076 102, 617, 907	286 208	195, 371	53, 393, 047	273
West Virginia North Carolina	316, 456	23.5	49.8	92, 148, 954	227 291	317, 470	91, 184, 533	224 287	341, 759	96, 553, 008	283	511,871 369,729	108, 717, 242 103, 008, 949	212
South Carolina	534, 338 263, 457	21.4	40.1	107, 428, 610	201	541, 919	107, 335, 667	198	591, 451	109,001,197	184	622, 404	120, 913, 380	194
Georgia	452,023	20. 2 20. 3	36.1 36.9	47, 309, 667 97, 624, 141	180 216	266, 546 462, 965	47, 649, 676	179	283, 729	46, 942, 096	165	622, 404 317, 894	55, 632, 929	175
Florida	321, 978	22.1	40.9	70, 168, 798	218	343, 049	88, 740, 354 67, 407, 586	192 196	503, 109 316, 875	89, 563, 170 61, 230, 450	178 193	533, 880 424, 480	97, 603, 137 78, 199, 480	273 212 279 194 175 183 184
East South Central	1, 202, 112	15.7	30.9	256, 092, 873	213	1, 239, 856	261, 403, 796	211	1, 299, 296	264, 690, 117	204	1, 424, 997	296, 679, 776	208
Kentucky	314, 030	15,4	31.4	75, 474, 027		202 215	55 000 550							
Tennessee	393, 814	18,6	36.7	84, 566, 562	240 215	323, 315 406, 893	75, 883, 312 85, 675, 340	235 211	332, 855 419, 951	75, 682, 280 84, 486, 590	227	361, 122	79, 960, 266	221 212 204
Alabama	341, 429	17.2	33.6	69, 278, 236	215 203	349, 408	72, 394, 831	207	382, 771	76, 846, 867	201 201	475, 378 404, 402	100, 851, 311 82, 530, 585	212
Mississippi	152,839	10.1	18.9	26, 774, 048	175	160, 240	27, 450, 313	171	163,719	27, 674, 380	169	184, 095	33, 337, 614	204 181
West South Central	1, 640, 470	17. 2	33. 9	385, 305, 572	235	1,669,945	391, 049, 931	234	1,741,660	382, 016, 908	219	1, 970, 301	420, 922, 233	214
Arkansas	144, 212	10. 4	21.2	26, 274, 763	182	147,308	26, 827, 096	182	172,853	29, 009, 224	168	189, 832	34, 444, 950	
Louisiana	330,069	19.3	37.3	74, 476, 237	226 256	342,006	76, 869, 503	225 259	355, 768	75, 177, 237	211	428, 324	87, 980, 565	181 205 234 217
Oklahoma Texas	252, 323 913, 866	14.8 19.3	31.4	64, 711, 259	256	254, 551	66,000,847	259	262, 370	63, 694, 237	243	284, 390	66, 434, 901	234
1 CAD3		19.3	37.1	219, 843, 313	241	926, 080	221, 352, 485	239	950, 669	214, 136, 210	225	1,067,755	232, 061, 817	217
Mountain	559,727	18.4	36.7	150, 965, 427	270	620,782	160. 630, 794	259	642,821	165, 103, 187	257	664, 853	168, 751. 886	254
Montana	71, 561	16.7	31.8	21, 202, 329	298	86, 244	23, 885, 174	277	98, 826	26, 964, 154	273	89,763	25, 558, 232	295
Idaho	60. 654	15.8	31.7	14, 677, 870	242	70,664	16, 764, 473	237	78, 937	19. 216. 751	243	77, 123 39, 956	18,266,850	285 237 268 248 224 255 248 299
Wyoming Colorado	33, 374 171, 491	17. 7 20. 1	33. 2 40. 7	9, 416, 312	282	39, 556	10, 102, 117	255 261 224 263 257	39, 328	10, 645, 993	271	39, 956	10.694.221	268
New Mexico	53, 261	14.8	29.9	46, 867, 896 12, 013, 298	273	184, 629 55, 310	48, 220, 740 12, 383, 526	201	179, 450 56, 747	46, 595, 985	260	203, 191	50, 476, 472	248
Arizona	72, 440	20.4	40.2	19, 926, 715	226 275	77, 535	20, 384, 464	263	69, 387	12, 620, 979 17, 046, 216	222 246	56, 746 80, 282	12, 737, 882 20, 485, 383	224
Utah	73,884	19.0	40.8	19, 801, 355	268 306	80,866	20, 750, 353	257	91, 549	23, 225, 232	254	91, 206	22, 587, 452	248 248
Nevada	23,062	26.5	48.1	7, 059, 652	306	25,978	8, 139, 947	313	28, 597	23, 225, 232 8, 787, 877	254 307	26, 586	22, 581, 452 7, 951, 394	299
Pacific	2, 089, 303	26.5	50.7	659, 581, 920	316	2, 258, 121	696, 808, 876	309	2. 365, 337	703, 582, 962	297	2, 506, 863	723, 633, 271	239
Washington	336, 534	24.1	47.0	101, 095, 422	300	370,677	111, 677, 673	301	409, 032	119, 219, 389	291	412, 172	117, 921, 822	996
Oregon	201, 840	23. 1 27. 6	44.5	56, 118, 922	278	234, 866	63, 883, 009	272	254,092	67, 193, 907	264	282, 569	77, 551, 735	200 274
California	1, 550, 929	27.6	52.5	502, 367, 576	324	1, 652, 578	521, 248, 194	315	1, 702, 213	517, 169, 666	304	282, 569 1, 812, 122	528, 159, 714	286 274 291
Alaska	12,969	(6)	(1)	4, 209, 721	325	16,312	5, 555, 856	341	26, 428	12, 107, 006	458	13, 979	4, 366, 303	217
Hawaii	66, 956	8	8	15, 971, 368	325 239	78, 338	16, 335, 944	209	84, 341	18, 039, 528	214	77, 762	18, 435, 933	312 237
	I											,.		
1 Date on population 1	4	. d d .	- 1-b			un afdha FT-14								

¹ Data on population 14 years old and over and on labor force are from Sixteenth Census of the United States: 1940 (preliminary releases: Series P-4 and P-8). Labor force represents those persons who were 14 years old and over and who were employed or seeking employment during the week of Mar.

Excludes Alaska and Hawaii, for which census data were not available.

were 14 years out and over and who were employed of scening employment during the week of Mar. 24-30, 1940.

Data in this table represent the following percentages of the estimated totals for each quarter: employees, first quarter, 96.8; second quarter, 97.3; third quarter, 96.7; fourth quarter, 96.1. Taxable wages, first quarter, 97.3; second quarter, 97.2; third quarter, 97.5; fourth quarter, 97.3.

First-quarter data were tabulated by State of headquarters of employing organizations. Data

by State of employment of employees were estimated on basis of second-quarter tabulation.

*Derived from taxable wage items, with adjustments for delinquent reports and for employment of the same employees by 2 or more concerns during the quarter. These figures include employment during the entire quarter; therefore the data are not comparable to the 1938 quarterly tables which show distribution of employees by State on the basis of employment in the last pay period of the second

two miscellaneous groups designated "other" and "unclassified."

With the exception of contract construction, which showed a substantial increase with respect to both employment and wages, changes in these proportions from one quarter to another were not large. In all 13 industry divisions, however, there were some industry groups in which the relation between employment and wages ran counter to that of the industry division as a whole. situation serves to emphasize again the fact that the industry classifications are so broad that each group includes numerous industries with differing characteristics both as to seasonality and wage structure. Furthermore, this is the case not only in the broad divisions but also in the narrower industry groups. The totals, therefore, must be viewed as indicating only the general tendency of the group as a whole.

The quarterly data cannot be used to measure the extent of seasonal fluctuations in particular industries. As already indicated, the fact that the data are tabulated from returns for calendar quarters is itself a basic limitation which precludes such use. In many industries, the active seasons will straddle 2 or more quarters, and so will affect the total number of employees shown as receiving taxable wages for each of the quarters, although the period of full employment may be considerably less than 6 months. Thus, the quarterly data can at most indicate the quarter in which the peak in employment occurred. A still further limitation arises from the composition of the industry groups. The groups each include a number of related industries, and in many instances these industries may have peak seasons in different quarters, thus tending to level out fluctuations in total employment for the group as a whole. Comparisons of relative fluctuations by industry must therefore be made with extreme caution.

In the 1940 data, moreover, normal variations from quarter to quarter have been obscured by the general increase in the total number of covered employees, which in large part may be ascribed to the defenso program. Indicative of this widespread upward trend is the fact that fourth-quarter employment was largest in 42 of the 67 industry groups (table 2). Those 42 groups employed 76 percent of all workers with taxable wages in that quarter. Moreover, 41 industry

Table 4.—Percentage distribution of employees and taxable wages, by industry division, for each quarter of 1940 1

		inry~ ireh	April	-Juno	July- tom	-Sep- ber	Octob con	er-De ibor
Industry division	Em- ploy- ces	Tax- able wages	Em- ploy- ces	Tax- ablo wages	Em- ploy- ces	Tax- able wages	Em- ploy- cos	Tax- able wages
Total	100. 0	100.0	100.0	100.0	100.0	100, 0	100.0	100.0
Manufacturing. Trade. Service. Contract construction. Transportation. Mining and quarrying Public utilities. Insurance. Real estate. Flance. Unclassified. Professional service. Other.	3.3 1.8	47.4 19.3 8.5 3.8 3.8 4.5 2.7 1.0 2.4	42.0 21.3 12.7 6.2 3.7 3.2 3.4 1.8 1.5 1.5	46.1 19.2 8.6 4.0 3.5 4.0 1.6 2.1 1.7	43.4 20.7 12.4 5.5 3.2 1.0 1.4 1.7	47.4 18.5 8.0 5.8 3.7 4.4 2.3 1.5 1.9 1.9 7	42.5 22.1 11.6 6.0 3.5 3.1 1.6 1.4 1.7 1.0	48.1 18.7 8.1 5.5 3.8 3.6 2.0 1.8 1.0

1 For absolute figures and distribution within each industry division, see table 2.

groups showed the smallest number of employees in the first quarter of the year.

In nine industry groups, however, the 2 quarters of highest employment in 1940 were the first and the fourth. These groups include such industries as anthracite and bituminous coal mining, printing and publishing, and educational institutions, which are most active in the fall and winter months. In eight other industries, the second and third quarters showed the largest number of workers. Among these were industries which normally have busy summer seasons—hotels and other lodging places, amusement and recreation services other than motion pictures, and water transportation. In seven other industries, the 2 quarters of highest employment both occurred in the first half of the year.

The differing proportions of total employment and total wages already noted are reflected in the figures for average wages by industry. Average taxable wages under old-age and survivors insurance are the result not only of wage rates but also of duration of employment in occupations covered by the act. Even though an industry has relatively high hourly wage rates, it may show a relatively low taxable wage for a quarter when many employees were on short time because of slack business, or when, for any reason, a large proportion of the employees were employed only part of the quarter. Inasinuch as these shortterm and seasonal workers are to a substantial extent not the same individuals from quarter to quarter, they constitute a larger proportion of the yearly totals than of the quarterly totals. Consequently, the average taxable wage for any year is substantially smaller than the sum of the quarterly averages. In considering variations in average wages from quarter to quarter, it must again be noted that the limit of \$3,000 a year on taxable wages tends to result in higher averages for the first and second quarters of the year.

It is not surprising, therefore, to find that the highest quarterly average wage for all employees in all industries combined occurred in the first quarter of 1940 (table 2). This was the quarter of lowest total employment; moreover, there were probably fewer short-term employees than in any of the other quarters of the year.

For all industries, the average taxable wage for the first quarter of 1940 was \$296. The lowest quarterly averages were \$274 in the third and \$276 in the fourth quarter. Among the 13 industry divisions, the highest quarterly average wages were in finance and in insurance, and the lowest included service, trade, and contract construction. Only in contract construction was the average wage in the first quarter exceeded in the fourth quarter.

Among the 67 industry groups the average taxable wages in the high first quarter ranged from \$578 to \$160; and in the low third quarter, from \$431 to \$151. In the first quarter, however, only two industry groups with relatively few employees had averages in excess of \$500, and only nine others had averages in excess of \$400. In the same quarter, at the other extreme, six industry groups had average taxable wages below \$200.

The two industry groups with the highest first-quarter averages—administrative offices and holding companies, and investment banking and security speculation—probably included a substantial number of employees who received more than \$3,000 a year. This fact may account in large part for the drop in average wages in the third quarter to \$379 and \$400, respectively. Of the nine other industries with average taxable wages of more than \$400 in the first quarter, only two maintained this level in all 4 quarters of 1940—street, suburban, and interurban railways and city and suburban bus lines, and products of petroleum and coal. All but one of the six

industry groups with taxable wage averages below \$200 in the first quarter continued at this relatively low level in the other 3 quarters. By the third quarter, however, three more industry groups had fallen below \$200—amusement and recreation and related services not elsewhere classified; educational institutions and agencies; and personal service.

Although the quarterly averages in the large majority of the industry groups were lower in the fourth quarter than in the first, the fourth-quarter average was higher in 15 industries. In some of these—notably iron and steel and their products; nonferrous metals and their products; water transportation; general contractors, building construction; and general contractors other than building construction—the increase is clearly ascribable to improved business conditions resulting from the defense program

Employment and Wages by State

Distribution of the 1940 quarterly data by State reveals a marked concentration of covered employment in the 3 Middle Atlantic and 5 East North Central States (table 3). Together, these 8 States accounted for 52 percent of all employees receiving taxable wages in the first quarter of 1940.

This concentration may be accounted for in part, but not wholly, by the concentration of population and labor forc. These States represented 42.4 percent of the 1940 population aged 14 and over, and 42.9 percent of the 1940 labor force as reported by the Bureau of the Census 8 (table 3). If, in this group, Massachusetts and California are substituted for 2 of the East North Central States—Indiana and Wisconsin—the resulting list will include the 8 States which had the largest number of employees with taxable wages in January-March 1940. These 8 States accounted for 58 percent of all covered employees in that quarter, as compared with 46 percent of the 1940 population 14 years old and over, and 47 percent of the 1940 labor force.

From these figures, it is evident not only that the leading industrial States included a large proportion of all covered employees but also that, as

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[?] Since figures in table 2 are unadjusted, the figures for average wages differ somewhat from those in table 1. In the unadjusted data, the third-quarter average for the United States was lower than that for the fourth quarter, while the adjusted data show the fourth quarter to be lower. The absolute differences in the figures, however, are small.

In the 1940 ceusus, all persons 14 years old and over who were employed or seeking employment during the week of March 24-30, 1940, were included in the labor force. These ratios of employees with taxable wages to population and to the labor force are of interest for comparisons among States, but must not be regarded as accurate measures of the percentage of covered employment within any State. The percentages here shown do not include Alaska and Hawali, for which census data are not available.

compared with most other States, a larger proportion of their working population was engaged in employments covered by the old-age and survivors insurance program. This conclusion is verified when the States are arrayed according to the ratio between the number of first-quarter employees having taxable wages and the 1940 labor force. Showing ratios higher than that for the United States as a whole are all the New England States except Vermont, all the Middle Atlantic States, and all the East North Central States except Wisconsin. Only 3 other States—California, Delaware, and Maryland-are included in this group. At the other extreme, the States falling in the lowest third as ranked by the same ratio include 6 of the West North Central States and 4 of the 8 Mountain States—Montana, Idaho, Wyoming, and New Mexico. In addition, this group includes Alabama, Arkansas, Kentucky, Mississippi, Oklahoma, and South Carolina.

In terms of individual States, the greatest concentration of covered employment as measured by this ratio is shown for Rhode Island, Connecticut, and Massachusetts—three highly industrialized States. The lowest concentration, on the other hand, was in North Dakota, Mississippi, and South Dakota. The extreme range in percentage of labor force was from 70 in Rhode Island to 18 in North Dakota; and in percentage of population it was from 40 in Rhode Island to 9 in North Dakota.

These State and regional differences result chiefly from the exclusion of various employments from coverage under old-age and survivors insurance. The States with relatively high ratios of covered employment are those in which a large proportion of the labor force are employees engaged in manufacturing, commerce, and mining. The States with relatively low ratios are those in which workers are predominantly engaged in agricultural occupations.¹⁰

The concentration of taxable wages is even greater than that of covered employees. In the first quarter of 1940, the three Middle Atlantic States accounted for 28 percent of all covered employees but 31 percent of all taxable wages. Similarly, the five East North Central States had 24 percent of the total number of covered workers

but 26 percent of all taxable wages. The proportion of taxable wages was also somewhat greater than the proportion of first-quarter employees in the Pacific States. Except New England, where the proportions were the same, all other regions showed larger proportions of covered employees than of taxable wages. These differences are also evident in average wages in the various States, and in interpreting them the same considerations as those affecting wage differences must be kept in mind.

In 1940, as already noted, usual fluctuations in quarterly employment were obscured by the business expansion which accompanied the defense program. For many States, the quarterly variations in employment are probably not typical, and consequently differences among the States in extent of variations are similarly affected. A few general observations, however, appear to be supported by the 1940 data.

Wide fluctuations in quarterly employment may be considered normal in States where in the peak quarter a fairly large proportion of all covered employment is concentrated in a relatively few industries. Where such concentration exists, there are less likely to be offsetting fluctuations tending to level out total employment from quarter to quarter. Wide variations are also typical of States which have few manufacturing industries and in which a large proportion of all covered employees are engaged in such industries as mining and the service trades, which are affected more sharply by the natural seasons. On the other hand. States which have developed many diversified manufacturing industries will normally show relatively small quarterly fluctuations in covered employment.

It has already been pointed out that for the United States as a whole the number of employees with taxable wages was greatest in the fourth quarter of 1940. This was also the case in all but 10 States, most of which have comparatively few manufacturing industries. The quarter of lowest employment, on the other hand, was the first quarter in all but 2 States. The increase in total covered employment from the lowest to the highest quarter was 14 percent for the entire country, and among the States it ranged from 6.5 percent in

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Minnesota, Iowa, North Dakota, South Dakota, Nebraska, and Kansas.
See Slomin, Herman, "State and Regional Differences in Covered Employment and Taxable Wages, 1939," Social Security Bulletin, Vol. 5, No. 1 (January 1942), pp. 35-44.

¹¹ Maine, Vermont, New Jersey, Montana, Idaho, New Mexico, Utah, Nevada, Alaska, and Hawaii. In these States the third quarter showed highest employment.

¹⁹ Arizona and Florida, in which the third quarter was lowest.

Pennsylvania and New Mexico to 40 percent in Oregon.¹⁸ Next to Oregon, the largest increases occurred in Montana (38) and Florida (34). There were 5 States, besides Pennsylvania and New Mexico, in which employment increased by less than 10 percent—New Hampshire, Vermont, New York, Illinois, and Missouri.¹⁴

In the large majority of States, average taxable wages in 1940 fluctuated in accordance with the national pattern. The average was highest in the first quarter and, after a second-quarter decline, the low point was reached in most States in the third quarter (31 States) or the fourth quarter (17 States). Although the first and second quarters showed the highest average wages for the year in a majority of the States, the highest 2 quarters in 11 States 18 were the first and fourth. For the entire country, the average wage in the first quarter was 8 percent higher than the average for the low third quarter. Among the States the percentage difference was greatest in Alaska, Georgia, Florida, Delaware, and Michigan. was smallest in New Mexico, Idaho, Kansas, and Alabama.

In the high first quarter, average wages ranged from \$366 in Michigan to \$175 in Mississippi. The range for the low third quarter was from \$458 in Alaska to \$165 in South Carolina. In the first quarter, 15 States showed averages of \$300 or more, but in the third quarter the number had fallen to seven. Only Michigan, Ohio, Alaska, and Connecticut maintained averages in excess of \$300 in all 4 quarters. In the first quarter, 3 States had average taxable wages below \$200, but in each of the other quarters there were 6 such States—Mississippi, South Carolina, Arkansas, North Carolina, Georgia, and Florida.

Distribution by Size of Firm

A large majority of the 1.8 million employing organizations which reported payment of taxable wages in the third quarter of 1940 were firms with very few employees. About 1.5 million of these employers did not have as many as 10 employees

"This range excludes Alaska, in which the percentage increase of 104 was due to exceptional circumstances peculiar to that Territory.

in the last pay-roll period of the third quarter (table 5). Approximately a million firms—more than half the total—had fewer than 4 employees. Only 31,781 firms—less than 2 percent of the total—employed 100 or more workers.

Although the average employer under old-age

Table 5.—Employing organizations 1 and taxable pay rolls, July-September, and employees in last pay period in September, by size of firm, 1940 1

	<u>.</u> .					
	July-	September		Perc	ent of t	otal
Number of em-	B.m.n.law		Employ- ecs in last pay	July-86	ptom-	Em- ploy- ees in
ploying organi- zation	Employ- ing organi- zations	Taxable pay rolls	period of Beptem- ber	Em- ploy- ing organ- iza- tions	Tax- ablo pay rolls	last pay period of Sep- tem- ber
Total	1, 821, 990	\$7, 856, 775, 778	27, 541, 263	100.0	100.0	100.0
0 4	20, 781	14, 043, 237	0	1.5	. 2	0
1-9, total	1, 484, 128	948, 148, 235	4, 305, 382	81.5	12, 1	15.6
1	512, 724	99, 645, 658	512, 724	28. 1	1.8	1.9
2	314, 314 211, 287	127, 888, 329 135, 700, 057	628, 628 633, 861	17.3 11.6	1.6 1.7	2,2
4	136, 851 101, 286 77, 170 61, 181 38, 787	I 100 AID DIA	KA7 A∩A	1 7 K	1.6	1 2.0
ō	101, 286	113,007,006	506, 430	5.6	1, 4	1, 8
<u>6</u>	77, 170	100, 212, 306	463,020	4.2	1. 4 1. 3	1.7
8	38 787	74 127 274	326, 207 310, 208	3.4 2.1	1,8	1, 6 1, 1
9	30, 528	113, 007, 006 106, 212, 366 161, 290, 368 74, 127, 274 66, 642, 262	506, 430 463, 020 428, 207 310, 296 274, 752	1.7	Ď	1.0
10-90, total	279, 300	1, 886, 123, 799	7, 208, 047	15.3	24.0	26, 2
10-19	149,072	508, 184, 307	2,009,668	8.3	6.4	7.8
20-29	01.922	331, 932, 969 247, 566, 345	1, 272, 523 929, 036	2.9 1.5	4.1 3.2	4.6 8.4
30-39 40-49	27, 306 16, 483	193, 264, 577	727, 157	i .9	2.5	2.6
50-59	11,025	169,003,844	597, 224	1 .0	2,0	2,2
60-69	7,894	134, 284, 335	507, 077	4	1, 7	
70-79 80-89	5, 903 4, 499		438, 213 378, 807	.3	1.5 1.3	
90-99	3, 696		348, 342	.2	1. 3	
100-999, total.	29, 408	2, 022, 419, 645	7, 337, 172	1.6	25. 7	26.6
100-199	16, 520	607, 132, 080	2, 283, 326	1.0	7. 6 4. 7	8.8
200-200	5, 582	365, 568, 827	1,351,024	.3	4.7	4.8
300-399	2,730 1,588	255, 962, 700	940, 008 706, 475	. L	J 3.3	3.4 2.6
400-490 600-599	1,008	197, 361, 216 157, 946, 975	557, 107	:i	1 2.U	2,0
600-699	. 751	139, 811, 649	485, 149	1 (*)	1.8	1.8
700-799	485	104, 412, 251	863, 266	(°)	1.3	1.3 1.4
800-899 900-999	441 293	104, 412, 251 114, 783, 118 79, 440, 829	374, 351 276, 466	18	1.5 1.0	1.0
1,000-9,999, total.	2, 224	1, 709, 879, 518	5, 220, 497	,1	21.8	19.0
1,000-1,000	1,346	575, 093, 324	1,839,920	, 1	7.4	6,6
2,000-2,000	. 397	1 317, 782, 621	(083.829	(I)	1 4.0	3.0
3,000-3,000	. 185	1 212, 999, 895	1 640.077	יו (יי	2.7	2.3
4,000-4,999 5,000-5,099	108		468, 392 421, 155	}\	2.0 1.8	1.7 1.5
6,000-0,009	1 41	90, 563, 703	204, 084	1 (6)	[1.2	1.0
7,000-7,090	. 32	85, 795, 790	235, 530	(4)	i 1. 1	.9
8,000-8,000	. [22	65, 297, 141	188,005		.8	.7
9,000-0,000	16	61, 286, 610	179, 50	<u> </u>	<u> </u>	
10,000 and over	149	1, 276, 161, 344	3, 470, 165	(4)	16. 2	12, 6

! An employing organization includes all establishments reported on 1 em-

As determined by the number of workers reported in last pay period of September. Returns show taxable pay rolls during the quarter but no workers in last

pay period.
Loss than 0.05 percent.

¹⁴ These percentages are based on the quarterly data unadjusted for delinquent reporting. It is believed that complete returns would not alter materially the relative position of the States in this respect.

¹⁶ Connecticut, Delaware, Montana, Indiana, Oregon, Vermont, Hawali, Maine, Tennessee, Alabama, and Mississippi. In Wisconsin and New Mexico, the second highest average wage occurred in both the second and fourth quarters.

ployer return.

The tabulation from which this table was compiled includes 86.8 percent of the estimated number of total amploying organizations, 96.7 percent of the estimated amount of total taxable pay rolls, and 90.6 percent of the estimated total number of employees.

As determined by the number of workers reported in last pay period of

and survivors insurance operates a small establishment, the typical employee works for a large employer. In the third quarter of 1940, almost a third of all last-pay-period employees were working for 2,373 employers with 1,000 or more employees. As many as one-eighth of the total number were employed by 149 organizations each of which had 10,000 or more employees. Firms with 100 or more employees accounted for more than one-half of all workers in covered employment. The small employers with fewer than 10 employees, on the other hand, accounted for less than one-sixth of the total workers, although these firms represented four-fifths of all employers. The figures, moreover, would show a heavier concentration of workers in the larger employing organizations if reporting reflected actual ownership of the concerns rather than legal taxpaying entities.

This concentration is even more marked with respect to taxable pay rolls. The 149 largest firms (10,000 or more employees), with 13 percent of all last-pay-period workers, paid 16 percent of all taxable wages in the third quarter of 1940. The 2,224 firms with 1,000-9,999 employees paid 22 percent of total wages, but had only 19 percent of all employees. At the other extreme, firms which had fewer than 10 employees paid 12 percent of all wages although they accounted for 16 percent of all last-pay-period employees.

The distribution of pay rolls as compared with that of employees suggests a higher wage level in the larger firms. Several observations must be made, however, in modification of such a conclusion. Most important, perhaps, is the indus-

trial distribution of the employers. It is probable that, on the average, the firms with smaller numbers of employees are in industries charactorized by lower wage levels and less stable employment, as compared with the industries in which large establishments operate. There is also reason to believe that small firms employ a relatively high proportion of short-term or parttime employees, a situation which tends to depress the quarterly average wage. Moreover, in small unincorporated firms where the managerial function is performed entirely by a sole proprietor or by the members of a partnership, the manager's remuneration is often not taxable as wages. But in larger firms, which are usually incorporated, the active owners as well as the managerial staff are employees who receive salaries which constitute taxable wages. Thus the average wages for these larger firms tend to be higher partly because of this difference in the form of organization. For these reasons, the present data do not permit significant conclusions on differences in wage levels due solely to the size of the employing organization.

When compared with the corresponding data for 1938 and 1939, the 1940 quarterly tabulations of employment and pay rolls under old-age and survivors insurance give a striking picture of rapid improvement in the labor market. They verify, and are verified by, other statistical series in this field. As a substantial body of reliable data, they provide economists and statisticians with an additional tool in the measurement of economic trends.

26 Social Security