

# **BOSTON, MASSACHUSETTS**

**SEPTEMBER 1957** 

Bulletin No. 1224-2

UNITED STATES DEPARTMENT OF LABOR James P. Mitchell, Secretary

BUREAU OF LABOR STATISTICS Ewan Clague, Commissioner

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# **Occupational Wage Survey**

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#### Preface

#### The Community Wage Survey Program

The Bureau of Labor Statistics regularly conducts areawide wage surveys in a number of important industrial centers. The studies, made from late fall to early spring, relate to occupational earnings and related supplementary benefits. A preliminary report is available on completion of the study in each area, usually in the month following the payroll period studied. This bulletin provides additional data not included in the earlier report. A consolidated analytical bulletin summarizing the results of all of the year's surveys is issued after completion of the final area bulletin for the current round of surveys.

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\* NOTE: Similar tabulations for most of these items are available in the Boston area reports for March 1951, April 1952, March 1953, March 1954, April 1955, and September 1956. Prior to the present report, data on wage structure characteristics, labor-management agreements, and overtime pay provisions were last shown in the 1954 summary report (BLS Bull. 1157-3). The 1955 report included data on frequency of wage payments, and pay provisions for holidays falling on nonworkdays not included in other reports. A directory indicating date of study and the price of the reports, as well as reports for other major areas, is available upon request.

Current reports on occupational earnings and supplementary wage practices in the Boston area are also available for fabricated structural steel (March 1957); women's cement-process shoes - conventional-lasted (April 1957); women's and misses' coats and suits (February 1957); and a machinery industries report will be available in early 1958. Union scales, indicative of prevailing pay levels, are available for the following trades or industries: Building construction, printing, localtransit operating employees, and motortruck drivers and helpers.

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#### Introduction

The Boston area is one of several important industrial centers in which the Department of Labor's Bureau of Labor Statistics has conducted surveys of occupational earnings and related wage benefits on an areawide basis. In each area, data are obtained by personal visits of Bureau field agents to representative establishments within six broad industry divisions: Manufacturing; transportation (excluding railroads), communication, and other public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and services. Major industry groups excluded from these studies, besides railroads, are government operations and the construction and extractive industries. Establishments having fewer than a prescribed number of workers are omitted also because they furnish insufficient employment in the occupations studied to warrant inclusion.<sup>1</sup> Wherever possible, separate tabulations are provided for each of the broad industry divisions.

These surveys are conducted on a sample basis because of the unnecessary cost involved in surveying all establishments. To obtain appropriate accuracy at minimum cost, a greater proportion of large than of small establishments is studied. In combining the data, however, all establishments are given their appropriate weight. Estimates based on the establishments studied are presented, therefore, as relating to all establishments in the industry grouping and area, except for those below the minimum size studied.

#### Occupations and Earnings

The occupations selected for study are common to a variety of manufacturing and nonmanufacturing industries. Occupational classification is based on a uniform set of job descriptions designed to take account of interestablishment variation in duties within the same job (see appendix for listing of these descriptions). Earnings data are presented (in the A-series tables) for the following 'ypes of occupations: (a) Office clerical; (b) professional and technical; (c) maintenance and powerplant; and (d) custodial and material movement.

Occupational employment and earnings data are shown for full-time workers, i. e., those hired to work a regular weekly schedule in the given occupational classification. Earnings data exclude premium pay for overtime and for work on weekends, holidays, and late shifts. Nonproduction bonuses are excluded also, but cost-ofliving bonuses and incentive earnings are included. Where weekly hours are reported, as for office clerical occupations, reference is to the work schedules (rounded to the nearest half hour) for which straight-time salaries are paid; average weekly earnings for these occupations have been rounded to the nearest half dollar.

Occupational employment estimates represent the total in all establishments within the scope of the study and not the number actually surveyed. Because of differences in occupational structure among establishments, the estimates of occupational employment obtained from the sample of establishments studied serve only to indicate the relative importance of the jobs studied. These differences in occupational structure do not materially affect the accuracy of the earnings data.

#### Establishment Practices and Supplementary Wage Provisions

Information is presented also (in the B-series tables) on selected establishment practices and supplementary benefits as they relate to office and plant workers. The term "office workers," as used in this bulletin, includes all office clerical employees and excludes administrative, executive, professional, and technical personnel. "Plant workers" include working foremen and all nonsupervisory workers (including leadmen and trainees) engaged in nonoffice functions. Administrative, executive, professional, and technical employees, and force-account construction employees who are utilized as a separate work force are excluded. Cafeteria workers and routemen are excluded in manufacturing industries, but are included as plant workers in nonmanufacturing industries.

Shift differential data (table B-1) are limited to manufacturing industries. This information is presented both in terms of (a) establishment policy,<sup>2</sup> presented in terms of total plant worker employment, and (b) effective practice, presented on the basis of workers actually employed on the specified shift at the time of the survey. In establishments having varied differentials, the amount applying to a majority was used or, if no amount applied to a majority, the classification "other" was used. In establishments in which some lateshift hours are paid at normal rates, a differential was recorded only if it applied to a majority of the shift hours.

Minimum entrance rates (table B-2) relate only to the establishments visited. They are presented on an establishment, rather than on an employment basis. Overtime pay practices; paid holidays; paid vacations; and health, insurance, and pension plans are treated statistically on the basis that these are applicable to all plant or office

<sup>\*</sup> This report was prepared in the Bureau's regional office in Boston, Mass., by Leo Epstein, under the direction of Paul V. Mulkern, Regional Wage and Industrial Relations Analyst.

<sup>&</sup>lt;sup>1</sup> See table on page 2 for minimum-size establishment covered.

<sup>&</sup>lt;sup>2</sup> An establishment was considered as having a policy if it met either of the following conditions: (1) Operated late shifts at the time of the survey, or (2) had formal provisions covering late shifts.

workers if a majority of such workers are eligible or may eventually qualify for the practices listed. Scheduled hours, wage structure characteristics, and labor-management agreements are treated statistically on the basis that these are applicable to all plant or office workers if a majority are covered.<sup>3</sup> Because of rounding, sums of individual items in these tabulations do not necessarily equal totals.

The first part of the paid holidays table presents the number of whole and half holidays actually provided. The second part combines whole and half holidays to show total holiday time. The third section presents a list of the paid holidays and the proportions of workers to whom they are granted annually.

The summary of vacation plans is limited to formal arrangements, excluding informal plans whereby time off with pay is granted at the discretion of the employer. Separate estimates are provided according to employer practice in computing vacation payments, such as time payments, percent of annual earnings, or flat-sum amounts. However, in the tabulations of vacation allowances, payments not on a time basis were converted; for example, a payment of 2 percent of annual earnings was considered as the equivalent of 1 week's pay.

Data are presented for all health, insurance, and pension plans for which at least a part of the cost is borne by the employer, excepting only legal requirements such as workmen's compensation and social security. Such plans include those underwritten by a commercial insurance company and those provided through a union fund or

 $^3$  Scheduled weekly hours for office workers (first section of table B-3) were presented in earlier years in terms of the proportion of women office workers employed in offices with the indicated weekly hours for women workers.

paid directly by the employer out of current operating funds or from a fund set aside for this purpose. Death benefits are included as a form of life insurance.

Sickness and accident insurance is limited to that type of insurance under which predetermined cash payments are made directly to the insured on a weekly or monthly basis during illness or accident disability. Information is presented for all such plans to which the employer contributes. However, in New York and New Jersey, which have enacted temporary disability insurance laws which require employer contributions,<sup>4</sup> plans are included only if the employer (1) contributes more than is legally required, or (2) provides the employee with benefits which exceed the requirements of the law. Tabulations of paid sick-leave plans are limited to formal plans<sup>5</sup> which provide full pay or a proportion of the worker's pay during absence from work because of illness. Separate tabulations are provided according to (1) plans which provide full pay and no waiting period, and (2) plans providing either partial pay or a waiting period. In addition to the presentation of the proportions of workers who are provided sickness and accident insurance or paid sick leave, an unduplicated total is shown of workers who receive either or both types of benefits.

<sup>4</sup> The temporary disability laws in California and Rhode Island do not require employer contributions.

<sup>5</sup> An establishment was considered as having a formal plan if it established at least the minimum number of days of sick leave that could be expected by each employee. Such a plan need not be written, but informal sick leave allowances, determined on an individual basis, were excluded.

	Minimum employment	Number of e	stablishments		Workers in e	stablishments	
Industry division	in establish- ments in scope	Within scope of	Studied		Within scope of study		Studied
	of study	study <sup>2</sup>	Studied	Total <sup>3</sup>	Office	Plant	Total <sup>3</sup>
All divisions		1,233	249	414,700	86, 300	249,200	219,480
Manufacturing Nonmanufacturing Transportation (excluding railroads), communication,	101	458 775	84 165	212,100 202,600	26,600 59,700	149, 100 100, 100	104,290 115,190
and other public utilities <sup>4</sup> Wholesale trade Retail trade Finance, insurance, and real estate	101 51 101 51	51 213 132 177	21 42 33 34	33,800 25,100 67,700 47,300	6,600 7,900 7,500 32,500	20,700 9,200 54,400 5 1,300	27,780 7,630 41,810 27,630
Services <sup>b</sup>	51	2 0 2	35	28,700	5,200	14,500	10, 340

Table 1: Establishments and workers within scope of survey and number studied in Boston, Mass., 1 by major industry division, September 1957

<sup>1</sup> The Boston Metropolitan Area (Suffolk County, 14 communities in Essex County, 28 in Middlesex County, 17 in Norfolk County, and 2 in Plymouth County). The "workers within scope of study" estimates shown in this table provide a reasonably accurate description of the size and composition of the labor force included in this survey. The estimates are not intended, however, to serve as a basis of comparison with other area employment indexes to measure employment trends or levels since (1) planning of wage surveys requires the use of establishment data compiled considerably in advance of the pay period studied, and (2) small establishments are excluded from the scope of the survey.

<sup>2</sup> Includes all establishments with total employment at or above the minimum-size limitation. All outlets (within the area) of companies in such industries as trade, finance, auto repair service, and motion-picture theaters are considered as 1 establishment.

<sup>3</sup> Includes executive, technical, professional, and other workers excluded from the separate office and plant categories.

<sup>4</sup> Also excludes taxicabs, and services incidental to water transportation. Boston's transit system is municipally operated and, therefore, excluded by definition from the scope of the studies. <sup>5</sup> Estimate relates to real estate establishments only.

<sup>6</sup> Hotels; personal services; business services; automobile repair shops; radio broadcasting and television; motion pictures; nonprofit membership organizations; and engineering and architectural services.

Catastrophe insurance, sometimes referred to as extended pay system. However, insurance, includes those plans which are designed to protect rated workers (plant or is in case of sickness and injury involving expenses beyond the predominant type o

medical insurance, includes those plans which are designed to protect employees in case of sickness and injury involving expenses beyond the normal coverage of hospitalization, medical, and surgical plans. Medical insurance refers to plans providing for complete or partial payment of doctors' fees. Such plans may be underwritten by commercial insurance companies or nonprofit organizations or they may be self-insured. Tabulations of retirement pension plans are limited to those plans that provide monthly payments for the remainder of the worker's life.

With reference to wage structure characteristics, proportions of time and incentive workers directly reflect employment under each pay system. However, because of technical considerations, all timerated workers (plant or office) in an establishment were classified to the predominant type of rate structure applying to these workers. Incentive-worker employment was classified according to the predominant type of incentive plan in each establishment.

Graduated provisions for premium overtime pay were classified to the first effective premium rate. For example, a plan calling for time and one-half after 8 and double time after 10 hours a day was tabulated as time and one-half after 8 hours. Similarly, a plan calling for no pay or pay at regular rate after  $37\frac{1}{2}$  hours (regular weekly schedule) and time and one-half after 40 was considered as time and one-half after 40 hours. The table below presents indexes of salaries of office clerical workers and industrial nurses, and of average earnings of selected plant worker groups.

For office clerical workers and industrial nurses, the indexes relate to average weekly salaries for normal hours of work, that is, the standard work schedule for which straight-time salaries are paid. For plant worker groups, they measure changes in straight-time hourly earnings, excluding premium pay for overtime and for work on weekends, holidays, and late shifts. The indexes are based on data for selected key occupations and include most of the numerically important jobs within each group. The office clerical data are based on women in the following 18 jobs: Billers, machine (billing machine); bookkeeping-machine operators, class A and B; Comptometer operators; clerks, file, class A and B; clerks, order; clerks, payroll; key-punch operators; office girls; secretaries; stenographers, general; switchboard operators; switchboard operator-receptionists; tabulating-machine operators; transcribing-machine operators, general; and typists, class A and B. The industrial nurse data are based on women industrial nurses. Men in the following 10 skilled maintenance jobs and 3 unskilled jobs were included in the plant worker data: Skilled-carpenters; electricians; machinists; mechanics; mechanics, automotive; millwrights; painters; pipefitters; sheet-metal workers; and tool and die makers; unskilled-janitors, porters, and cleaners; laborers, material handling; and watchmen.

Average weekly salaries or average hourly earnings were computed for each of the selected occupations. The average salaries or hourly earnings were then multiplied by the average of 1953 and 1954 employment in the job. These weighted earnings for individual occupations were then totaled to obtain an aggregate for each occupational group. Finally, the ratio of these group aggregates for a given year to the aggregate for the base period (survey month, winter 1952-53) was computed and the result multiplied by the base year index (100) to get the index for the given year.

The indexes measure, principally, the effects of (1) general salary and wage changes; (2) merit or other increases in pay received by individual workers while in the same job; and (3) changes in the labor force such as labor turnover, force expansions, force reductions, and changes in the proportion of workers employed by establishments with different pay levels. Changes in the labor force can cause increases or decreases in the occupational averages without actual wage changes. For example, a force expansion might increase the proportion of lower paid workers in a specific occupation and result in a drop in the average, whereas a reduction in the proportion of lower paid workers would have the opposite effect. The movement of a high-paying establishment out of an area could cause the average earnings to drop, even though no change in rates occurred in other area establishments.

The use of constant employment weights eliminates the effects of changes in the proportion of workers represented in each job included in the data. Nor are the indexes influenced by changes in standard work schedules or in premium pay for overtime, since they are based on pay for straight-time hours.

Indexes for the period 1953 to 1957 for workers in 14 major labor markets appeared in BLS Bull. 1202, Wages and Related Benefits, 17 Labor Markets, 1956-57.

	Inde (March 19	xes 53 = 100)		Perce	nt increases from	·—	
Industry and occupational group	September 1957	September 1956	September 1956 to September 1957	April 1955 to September 1956	March 1954 to April 1955	March 1953 to March 1954	April 1952 to March 1953
All industries:							
Office clerical (women)	123.8	117.0	5.7	8.0	2.9	5.2	4.3
Industrial nurses (women)	123.4	117.7	4.8	9.0	1.5	6.5	4.2
Skilled maintenance (men)	122.5	116.4	5.2	8.5	1.9	5.3	4.9
Unskilled plant (men)	119.7	114.4	4.7	6.3	2.4	5.1	4.2
Manufacturing:							
Office clerical (women)	121.6	114.6	6.1	7.3	2.3	4.4	5.5
Industrial nurses (women)	122.4	117.6	4.1	8.9	.7	7.2	4.2
Skilled maintenance (men)	123.5	117.1	5.4	8.9	1.9	5.6	4.7
Unskilled plant (men)	119.4	114.2	4.6	5.0	3.1	5.5	3.5

Table 2: Indexes of standard weekly salaries and straight-time hourly earnings for selected occupational groups in Boston, Mass., September 1957 and September 1956, and percent of increase for selected periods

## A Occupational Earnings

## Table A-1: Office Occupations

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

	1	Ave	RAGE					N	JMBER O	F WORKE	RS RECE	IVING ST	RAIGHT-T	IME WEE	KLY EAR	NINGS O	F				
Sex, occupation, and industry division	Number of workers	Weekly <sub>1</sub> hours (Standard)	Weekly earnings i (Standard)	under	- 1	-	-	-	1 -	-	-	- 1	- 1	-	-	-	-	- 1	\$ 105.00 - 110.00	-	and
Men		<u> </u>									1000			03100	70.00		100.00	100100			UTCA .
			\$		1																
Clerks, accounting, class A			83.50		-		. <u>-</u>	1	9	48	59	40	83	43	28	42	25	41	15	13	22
ManufacturingNonmanufacturing			91.50	1 :	-	-	-	1 .	- 9	3 45	55	1 39	22 61	10	14	17	10	40	8	2	1
Public utilities †	38		90.50	1 :	1	.	-		-	40	4		6	33	14 4	25 16	15	1	7	11	21
Wholesale trade	145		83.50	-	-	-	-	-		24	16	18	22	19	6	4	l n		3	6	16
Finance ††	84	37.0	71.00	-	-	-	-	-	8	11	23	11	22	9	-	-	-	-	-	-	- 1
Clerks, accounting, class B	402	38.0	62.00	l .	l .	5	45	87	68	76	36	38	2.0	6	4	2		6	2		7
Manufacturing	86		63.00	-	-	-	7	16	14	8	7	15	16	2		1	-	-	-	-	-
Nonmanufacturing			61.50	- 1	-	5	38	71	54	68	29	23	4	4	4	1	-	6	2	-	7
Wholesale trade Finance ††			69.50		-	-	-	8	26	52	7	15	1	3	4	1	- 1	6	2	-	7
			54.00	•	-	1	22	31	20	5	1	2	-	-	-	-	-	-	-	-	- 1
Clerks, order			80.00		· · · ·		·	2	24	51	50	72	71	69	38	52	41	17	18	5	7
Manufacturing Nonmanufacturing			79.50 80.00		-	ī	-	ž	2 22	9 42	17	11 61	7 64	3 66	8 30	1 51	4	4 13	4	4	1 7
Wholesale trade			80.50	1 :	1	-	1	-	20	38	32	61	60	62	30	51	37	13	14	1	7
Clerks, payroll	81	38.5	83.50		-	-	2	5	2	8		6	4	15	1	29				2	6
Office boys	859	38.0	47.50		14	357	308	87	39	18	12	13	_		11						1
Manufacturing			47.50	<u> </u>	7	78	103	18	21	7	2	3		-					+		
Nonmanufacturing	619		47.50	-	7	279	205	69	18	11	10	10	-	-	10	-	-	- 1	-	-	-
Public utilities †			45.00	-	-	16	36	4	-	-	-	-	-	-		-	-	-	-	-	-
Wholesale trade Finance ††			53.00	-	- 2	33	35 101	10	2	6	28	10	-	-	10	-	- 1	· ·	-	-	-
Services	264 159	37.0 39.5	47.00 44.50	-		110 109	28	12	7	2	-	-		-	-	-	-	-	-	-	
Tabulating-machine operators			71.00	-	-	3	8	37	54	60	50	118	61	53	25	23	4	5	3		3
Manufacturing			72.00	-	-	-	:	3	18	35	34	85	23	35	15	2	2	2	3	-	-
Nonmanufacturing Finance ††			69.50 65.00	-	:	3	6	34 30	36 26	25 14	16	33 18	38 5	18 6	10	21 14	2	3		-	-
Women																					
Billers, machine (billing machine)	323	38.0	61.50	_		1 11	23	50	93	49	23	23	2	29	15	5	-		1 -		1
Manufacturing			59.00			1	12	30	39	38	6	18	1		-	-	-	-		•	-
Nonmanufacturing			64.00	-	-	10	11	20	54	11	17	5	1	29	15	5	-	-	-	-	-
Wholesale trade	119	39.0	69.50	-	-	-	11	11	15	11	16	5	1	29	15	5	-	-	- 1	-	-
Billers, machine (bookkeeping machine)	331	38.0	52.00	-	2	37	96	85	66	15	10	-	20	-	-		-	-	-	-	-
NonmanufacturingRetail trade	288		50.00	-	2	37	96	85	51	15	2	-	-	-	-	-	-	-	-	-	-
Retail trade	215	38.0	49.00	-	2	37	72	72	21	11	-	-	-	-	-	-	-	-	-	-	-
Bookkeeping-machine operators, class A		38.0	63.00	-			9	32	83	72	64	14	54	7	z	-	-			-	-
Manufacturing		38.5	70.00	-	-	- 1	1	4	15	7	15	12	44	7	2	- 1	- 1	-	-	-	-
Nonmanufacturing	230	37.5	60.00	-	-	-	8	28	68	65	49	2	10	-	-	-	-	-	-	-	-
Finance <b>†</b> †	157	36.5	59.00	-	-	-	8	17	60	47	23	2	-	-	-	-	-	-	-	-	-
Bookkeeping-machine operators, class B			55,50	-		173	301	297	331	282	146	5.8	17	14	20	1		1	-	<u> </u>	
Manufacturing		39.0	61.00	-	-		26	48	74	115	78	41	10	3		1 :	1 :	1 7	1 :	-	-
Wholesale trade			54.00 62.50	1	1 2	173	275	249	257 78	167	68 57	17	7	11	20 20		1 :		-	1 :	1.
Retail trade			52.00		-	60	53	16	50	57	5	15	1 1		- 20		-	1		-	-
Finance ††		37.0	51.00	-	_	103	199	184	122	43	5	:	-	-	-	-	-	-	-	-	1 -

See footnote at end of table. † Transportation (excluding railroads), communication, and other public utilities. †† Finance, insurance, and real estate.

### Table A-1: Office Occupations - Continued

		Ave	RAGE					NU	MBER OF	WORKE	RS RECEI	VING STI	RAIGHT-T	IME WEE	KLY EAR	NING8 O	F—				
Sex, occupation, and industry division	Number of workers	Weekly hours (Standard)	Weekly earnings <sup>1</sup> (Standard)	under	-	-	- 1	-	-	-	-	-	-	\$ 80.00 - 85.00	-	•	-	-	-	-	and
Women - Continued																					
			\$		1																
	1,333	38.0	68.50	•	-	2	19	86	201	215	297	196	124	75	57	10	3	27	3	15	3
Manufacturing	501 832	39.0	70.50	•	- 1	2	3 16	27 59	77	67 148	114	62 134	34	39	42 15	3		20	1	12	-
Nonmanufacturing Public utilities†	832	37.5	67.50 71.00	-	-	2	16	59	124		183		90 10	36		7	3	7	2	3	3
Wholesale trade	120	39.0	75.50	-	-		2	- 3	4	5 19	15 27	10 21	10	17	2 12	-	1	5	-	- 3	-
Retail trade	163	37.5	64.00	-		2	8	10	24	27	52	33	5	2	12			2	4	2	3
Finance ††	396	37.0	65.00			-		46	75	96	77	63	34	4		ī		-	-	-	-
Services	106	36.5	71.50	-	-	-	6	-	18	ĩ	12	7	38	13	1	6	2	2	-	-	-
Clerks, accounting, class B	2.088	38.0	56.50	_	5	127	431	498	376	270	148	75	104	28	18	8		_	_	-	_
Manufacturing	465	38.5	60.50			11	59	98	88	56	72	22		20	13	1				<u>-</u>	
	1,623	38.0	55.50	-	5	116	372	400	288	214	76	53	25 79	8	15	7				-	-
Public utilities †	241	39.0	62.00	-	-	4	49	23	15	48	23	26	53		-		-	-	_	_	-
Wholesale trade	249	39.0	59.00	-		5	18	71	38	62	19	18	11	2	4	1	-	-	-	-	-
Retail trade	385	38.0	51.50	-	5	58	97	85	80	49	5	1	1	4	-	-	-	-	-	-	-
Finance ††	599	37.0	52.00	-	-	42	196	182	120	49	9	1	-	-	-	-	-	-	-	-	-
Services	149	38.0	60.00	-	-	7	12	39	35	6	20	7	14	2	1	6	-	-	-	-	-
Clerks, file, class A	423	38.0	58.50	-	-	16	68	94	103	57	31	11	22	13	1	5	2	-	-	-	-
Manufacturing	141	39.0	59.50	•	•	-	10	37	34	38	7	2	7	5	1	-	-	- 1	- 1	-	-
Nonmanufacturing	282	38.0	58.00	-	-	16	58	57	69	19	24	9	15	8	-	5	2	-	-	+	-
Finance ††	214	37.5	55.00	-	-	15	57	52	53	12	13	3	2	7	-	-	-	-	-	-	-
	2,090	38.5	47.00	20	49	824	719	289	106	53	16	12	1	-	1		_	-	-	-	
Manufacturing	333	39.0	50.50	-	-	83	111	51	33	37	11	6	1	-	-		-	-	-	-	-
Nonmanufacturing	1,757	38.0	46.00	20	49	741	608	238	73	16	5	6	-	-	1	-	-	-	-	-	-
Public utilities †	60	39.5	48.50	-		20	24	6	3	6		1	-	-		-	-	•	- ]	-	-
Wholesale trade Retail trade	201 168	38.5	49.50 44.50	20	21	42 58	51 36	75 19	23	5	1	3	-	-	1	-	•	-	-	-	-
	1.169	38.5 38.0	44.50	20	21	587	435	83	34	4	2	i	-	-	-	-	-	- 1	-	-	•
Services	159	38.5	48.50		- 20	34	62	55	6	-	2	-	-	-		-	-		-	-	-
Clerks, order	547	39.0	58.50		2	30	73	110	132	73	57	39			24	-					
Manufacturing	264	39.0	58.50		-	2	25	63	63	28	51	39	-	-	- 20						
Nonmanufacturing	283	39.0	58.00		2	28	48	47	69	45	6	7	_	-	26	5		_	_	-	-
Wholesale trade	153	39.5	63.50	-	-	-	8	32	39	37	ĕ	6	-	-	20	5	-	-	-	-	-
Retail trade	105	38.5	48.00	-	2	28	40	15	18	2	-	-	-	-	- 1	-	-	-	-	-	-
Clerks, payroll	977	39.0	63.00		1	10	49	156	218	175	123	118	60	25	20	10	3	4	4	•	1
Manufacturing	542	39.5	62.00	1	-	3	29	87	142	86	61	63	43	14	5	6	1	1	1	-	-
Nonmanufacturing	435	38.0	63.50	-	1	7	20	69	76	89	62	55	17	11	15	4	2	3	3	-	1
Public utilities †	84	38.0	66.00	- )	-	-	-	18	15	4	10	19	6	4	7	1			-	-	1 :
Wholesale trade	52	39.0	74.50			:	-	4	.6	7	4	17	3	-	2	-	2	3	3	-	1
Retail trade	134	38.0	57.50	- 1	1	7	12	36	15	30	27	3	1	2	ī	-	-	-	-	-	- 1
Financett Services	64 101	37.5 38.5	60.50 65.50	-	-	-	8 -	10 1	12 28	21 27	4 17	13	2 5	2	5	3		-	-	-	-
Comptometer operators	1.196	38.5	57.50	,	6	57	135	278	265	229	131	40	13	15	13	10		2	_		
	265	39.0	63.50				3	38	45	80	64	11	5	5	7	7	-	-	-		
Manufacturing				2	6	57	132	240	220	149	67	29	8	10	6	3	-	2	-	-	-
Manufacturing	931	38.0	56.00																		
Manufacturing Nonmanufacturing Wholesale trade		38.0 39.0	56.00	-	-	-	6	56	69	45	20	16	4	10	6	3	-	2	-	-	-
Manufacturing Nonmanufacturing	931		61.50 54.00			47	6 83	140	129	83	28	16 13	4 3	10	6	3-	-	2	-	-	-
Manufacturing Nonmanufacturing Wholesale trade	931 237	39.0	61.50	-	-	-	6							10 - -		-			-	-	-

## (Average straight-time weekly hours and earnings for selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

See footnote at end of table. † Transportation (excluding railroads), communication, and other public utilities. † Finance, insurance, and real estate.

## Table A-1: Office Occupations - Continued

## (Average straight-time weekly hours and earnings for selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

		Ave	RAGE					NU	MBER OF	WORKE	RS RECEI	VING STR	RAIGHT-T	IME WEE	KLY EAR	NINGS O	F				
Sex, occupation, and industry division	Number of workers	Weekly <sub>1</sub> hours (Standard)	Weekly 1 earnings (Standard)	\$ 30.00 and under 35.00	-	-	-	- 1	-	-	-	-	-	- 1	-	-	-	-	\$ 105.00 - 110.00	-	and
Women - Continued																					
Duplicating-machine operators (mimeograph			\$																		
or ditto)			53.50 53.00		- <u></u> -	27	<u>19</u>	28	14 13	25 16	10	1	1	•	-	-	-				
Sev-punch operators		38.5	57,50		,	45	196	319	271	181	166	49	35		E		2	.			Į
Manufacturing	- 505	39.0	59.50	-	-	-	72	82	113	94	106	20	12	4	2			<u> </u>			
Nonmanufacturing	- 776	38.0	56.00	-	1	45	124	237	158	87	60	29	23	4	3	1	3	1	1 - 1	-	-
Public utilities †	- 92	39.5	62.00	-	-	-	18	11	8	14	16	6	19	-	-	-	-	2 <b>-</b>	-	-	-
Wholesale trade		39.0	63.50	-	-	1	-	41	11	10	10	13	4	4	3	1	3	1	- 1	-	-
Retail trade		38.0	53.00	-	1	3	19	51	23	3	11	-	-	-	-	-	-	-	-	-	-
Finance # #	•	37.5	53.50	•	-	41	87	130	102	50	13	10	-	-	-	-	•	-	-	-	-
Mfice girls	- 522	38.0	47.50	1	19	184	196	64	16	41	1	-	-	-	-	-	-	-		-	-
Manufacturing	102	39.0	56.00	-	-	-	33	13	15	40	1	-		•		-	-	-	-	-	1 -
Nonmanufacturing	- 420	37.5	45.00	1	19	184	163	51	1	1	-	-	-	-	-	-	-	- '	- 1	-	-
Retail trade	- 57	38.5	44.00	1	13	19	11	13	-	-	-	-	-	-	-	-	-	-	•	-	-
Finance ††	- 295	37.0	45.50	-	2	155	104	33	1	-	-	-	-	-	- 1	-	-	-		-	-
ecretaries	5.002	37.5	71.50	-	1 -	15	57	2.84	569	785	72.5	647	669	489	251	196	115	110	59	10	21
Manufacturing	1,702	38.5	74.50	-				52	144	206	192	268	301	241	109	114	29	31	7	4	4
Nonmanufacturing	3 300	37.5	70.50	- 1	- 1	15	57	232	425	579	533	379	368	248	142	82	86	79	52	6	17
Public utilities †	265	38.5	85.50	-	•	-	l -	-	8	15	6	35	40	50	25	11	16	27	29	1	2
Wholesale trade	- 510	39.0	74.50	- 1	-	-	5	17	51	108	76	43	61	29	21	17	29	19	21	5	8
Retail trade		37.5	69.50	-	-	2	4	19	25	52	58	42	38	27	9	5	6	3	1 1	•	3
Finance ††		37.0	68.50	-	-	13	28	94	204	282	237	169	162	120	74	33	27	9	-	-	1
Services	- 778	37.0	66.00		-	-	20	102	137	122	156	90	67	22	13	16	8	21	1	٠	3
tenographers, general	- 3,430	38.0	61.50	-	10	51	270	579	645	623	468	536	108	71	25	35	6	2	1	-	
Manufacturing	- 1.311	39.0	64.00		-	4	68	133	198	201	231	412	39	17	1	6	-	1	<u></u>		1 -
Nonmanufacturing	2.119	37.5	59.50	-	10	47	202	446	447	422	237	124	69	54	24	29	6	1	1	-	-
Public utilities †	- 189	38.5	64.50	- 1	-	- 1	11	22	36	27	30	36	18	7	2	- 1	-	-	-	-	- 1
Wholesale trade	- 492	38.5	67.50	-	- 1	- 1	23	51	75	78	92	32	43	39	22	29	6	1	1	-	-
Retail trade		37.5	55.50	- 1	10	7	22	48	64	66	12	1	4	-	-	-	-	-	-	-	-
Finance ††	- 935	37.0	57.00	-	-	39	120	207	227	196	91	45	2	8	-	-	•	- 1	-	-	-
Services	- 269	37.0	55.50	-	-	1	26	118	45	55	12	10	2	-	-	-	-	-	-	-	•
tenographers, technical	396	38.0	64.00	-	-	1	4	48	82	96	85	29	22	10	13	3	2	1	-	-	- 1
Manufacturing	- 180	37.5	64.00		-	i	3	18	46	56	15	19	9	5	4	2	2	-		-	- 1
Nonmanufacturing	216	38.0	64.50	-	-	-	1	30	36	40	70	10	13	5	9	1	- 1	1	-	-	-
Finance ††	- 67	38.5	58.50	-	-	-	1	27	20	5	7	2	4	1	-	-	-	-	-	-	-
Services	145	38.0	66.50	-	-	-	-	3	16	35	61	8	8	4	8	1	- 1	1	-	-	-
	1																	I .			
witchboard operators		38.5	58.50	2	6	32	129	132	125	114	83	45	49	5	4	4	+ <u> </u>	1		-	-
Manufacturing		39.0	66.50 56.50	2			3	10	27	28 86	19		24 25	4	4	4	-	l ī	· ·	-	-
Public utilities †		38.5	67.00		6	32	126	122	98	11	64	26 6	25	1	-	4	- 1	1		-	-
Wholesale trade		38.5	63.50				i	21	13	22	1	4	13	;	-	4		i		-	
Retail trade		38.0	55.00	2	6	10	13	22	17	15	16	5	3	1	-	-		1		-	
Finance tt		37.5	57.00	-	-	10	22	54	65	32	24	6		1		1 -	1 1		1 1		1 -
Services		39.0	49.00		1	22	90	21	2	6	2	Š			-	-			-		
	- 10		1		ł		1			ľ	<u> </u>	-								1	1
witchboard operator-receptionists		38.0	58.50	-	36	21	34	130	246	217	114	41	14	14	11	-	2	1		-	
Manufacturing		38.5	61.00	-	-	-	6	42	108	139	70	22	8	2	-	-	2	-	-	-	-
Nonmanufacturing		37.5	57.00	-	36	21	28	88	138	78	44	19	6	12	11	-	- 1	1	-	-	-
Wholesale trade		39.0	62.50	-	-	10	-	30	2.7	30	25	14	6	12	9	1 -	-	1	-	- 1	1 -
Retail trade		37.5	50.50	-	10	11	15	15	17	10	6		-	-	- 1	1 -	-	-	-	- 1	-
Finance ††		36.0	56.50	-		-	13	15	37	7	7	1	- 1	-	-	-	-	1 -	-	-	1 -
	133	37.0	54.50		26			16	51	28	1 6	4			2		1 -				

See footnote at end of table. † Transportation (excluding railroads), communication, and other public utilities. †† Finance, insurance, and real estate.

### Table A-1: Office Occupations - Continued

## (Average straight-time weekly hours and earnings for selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

<u></u>	ļ	Ave	RAGE	1				N	MBER O	F WORKE	RS RECE	IVING ST	RAIGHT-T	IME WEE	KLY EAB	NINGS O	)F				
Sex, occupation, and industry division	Number of workers	Weekly, hours 1 (Standard)	Weekly earnings (Standard)	and under	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 105.00 -	- 1	and
Women - Continued				35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00	<u>100.00</u>	<u> 105.00</u>	110.00	115.00	over
Tabulating-machine operators	390	38.0	δ2.50	-	1 -	1 1	62	60	59	46	54	47	36	12	9	2	-	-	2	-	i -
Manufacturing	97	39.5	71.00	-	•		-	8	10	3	18	23	20	6	7	2	- 1		1	- 1	-
Nonmanufacturing	293	37.5	59.50	-	-	1	62	52	49	43	36	24	16	6	2	-	-	-	2	-	· •
Finance ††	183	37.0	61.00	•	-	-	15	40	32	32	31	19	13	1	-	-	-	-	-	-	-
Transcribing-machine operators, general	969	38.0	58.50		-	27	111	228	269	138	64	43	43	26	15	4	1	-	-	-	-
Manufacturing	335	39.0	63.50	-	-	-	11	45	92	55	38	32	29	20	13	-	•	-	- 1	-	•
Nonmanufacturing	634	37.5	56.00	-	-	27	100	183	177	83	26	11	14	6	2	4	1	-	-	-	- 1
Wholesale trade	81	39.0	63.00	-	-		4	22	6	20	15	1	5	1	2	4	1	- 1	-	- ]	- 1
Financett	387	37.5	54.00	-		27	74	108	121	48	9	-	•	-	-	-	-	-		-	
Typists, class A		38.5	58.50	-	-	19	191	228	211	183	152	60	23	13	11	2	4	-	-	-	· · ·
Manufacturing	565	39.0	57.00	-	-	18	137	111	79	95	95	20	6	2	2	:	1 :	-	-	-	
Nonmanufacturing	532 60	37.5 38.5	60.00	-	•		54	117	132	88	57	40	17		2	2	4		-	-	i 1
Finance tt	287	37.0	57.00		1 2	1 1	36	93	79	33	17	26	2	ĩ	-	- <sup>2</sup>		1 -		-	1 I
Services	142	38.5	61.50		-	1	4	15	37	44	27	7	2	2	2	-	1	-	-	-	I -
Typists, class B	4 054	38.0	51.00	2	22	643	1416	952	535	242	139	80	21	2		1 -				-	1 -
Manufacturing	974	39.0	54.00		3	82	235	278	140	88	89	48	11		-	-	-	-		-	
Nonmanufacturing	3,080	37.5	50.00	2	19	561	1181	674	395	154	50	32	10	2	-	-	•	-	-	-	- 1
Public utilities †	149	38,5	50.50	- 1	-	-	96	10	17	15	11			-	-	-	-	-	-	-	
Wholesale trade	376	39.0	55.00	- 2		21	42	141	106	30		25	10		-			-	-	-	
Retail trade Finance ††	240	38.5 37.0	49.00	2		69 385	72 814	39 412	213	96	20			1						-	
Services	366	39.5	49.50	1	2	86	157	412	215	90	15	4	1 :	1	:	1 1	1 :			-	1 -
	500	39.5	10.50		2	00	1		÷1	, ,	1.5	1	{ _	-		1		{	-	_	<u> </u>

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries and the earnings correspond to these weekly hours. <sup>†</sup> Transportation (excluding railroads), communication, and other public utilities. <sup>††</sup> Finance, insurance, and real estate.

### Table A-2: Professional and Technical Occupations

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis
in Boston, Mass., by industry division, September 1957)

		Ave	RAGE							N	UMBER •	OF WORI	ERS RE	CEIVING	STRAIG	HT-TIME	WEEK	LY EARN	INGS OF	_					
Sex, occupation, and industry division	Number of workers	Weekly 1 hours 1 (Standard)	Weekly earnings (Standard)	under	-	-	-	-	-	- 1	-	-	-	-	-	-	-	-	- 1	i - i	-	-	-	\$ 145.00 - 150.00	and
<u>Men</u> Draftsmen, leader	420	40.0	\$ 142.00			-	-		_	-	-	_		2	2	14	3	2	56	41	46	40	59	52	
Manufacturing Draftsmen, senior	132	39.5 40.0	150.50	1	-	-	-	- 27	- 39	- 53	- 187	-	-	2 2 74	- 319	14 180	3 184	1	12	6 84	13	2	3	3 98	73
Manufacturing Nonmanufacturing Services	1,338 1,062 976	40.0 40.0 40.0	104.50 110.50 110.50	:		-	1	27	38	50 3 2	144 43 42	59 56 50	117 74 69	193 81 62	225 94 94	55 125 123	60 124 106	79 165 163	34 168 149	53 31 28	2 33 32	55 38 36	19 6 13 12	98 89 9 8	
Draftsmen, junior Manufacturing	<u>1,101</u> 738	40.0	79.50		11	59 59	137	96 65	<u>88</u> 45	136	149 42	184 160	104 41	<u>77</u> 66	2	30 30	13	8	3	4	-			<u> </u>	<u> </u>
Nonmanufacturing Services	363 322	40.0 40.0	80.50 80.50	:	4	-	17 16	31 28	43 38	59 52	107	24 23	63 63	11	-	-	1 -	2	-	1 -	-	-	-	-	-
Warner	180	40,0	59.00	5	74	29	34	<u>11</u>	11	13	2	-	-	1		-	-	-			-	-		<u> </u>	<u> </u> .
<u>Women</u> Nurses, industrial (registered)	273	39.0	76.50	-	-	6	23	23	75	51		14	17	9	2	-	_	 	-	-	-	-	_	-	· 
Manufacturing Nonmanufacturing	195 78	39.5 38.5	76.50 75.00	-	-	6	7 16	12 11	65 10	38 13	40 13	8 6	11 6	72	1	-	-	-	-	-	-	-	-	-	-

Standard hours reflect the workweek for which employees receive their regular straight-time salaries and the earnings correspond to these weekly hours.
 Workers were distributed as follows: 2 at \$150 to \$155; 4 at \$155 to \$160; 28 at \$160 to \$165; 28 at \$165 to \$170; 2 at \$170 to \$175; 11 at \$175 to \$180; 28 at \$180 and over.

## Table A-3: Maintenance and Powerplant Occupations

		<u> </u>							NUME	BER OF	VORKERS	S RECEI	VING ST	RAIGHT-	TIME H	OURLY E	ARNING	S OF-						
Occupation and industry division	Number of workers	Average hourly	\$ 1.00	\$ 1.10	\$ 1.20	\$ 1.30	\$ 1.40	\$ 1.50	\$ 1.60	\$ 1.70	\$ 1.80	\$ 1.90	\$2.00	\$ 2.10	\$.20	2.30	\$.40	2. 50	2.60	2.70	\$2.80	\$2.90	3.00	\$.10
occupation and industry division	workers	earnings	and under	-	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-	·	-	-	and
		\$	1,10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2,80	2.90	3.00	3.10	over
Carpenters, maintenance	683	2.32	-	-	-	6	8	-	8	13	16	54	48	146	71	70	62	93	12	2	4	-	-	<b>*</b> 70
ManufacturingNonmanufacturing	493 190	2.27 2.43		-	-	6	- 8	-	- 8	13	11	45 9	41	121 25	53 18	66	57	83	6		2	-	-	64
Retail trade	125	2.66	-		-		8		-	4	5	1	-	19	15	4	2	1	6		ž	:		64
Electricians, maintenance	1.025	2.44				_			22	7	7	12	49	87	107	103	116	186	250	24	19	13		22
Manufacturing	855	2.48				-		-		6		7	44	68	84	70	191	166	249	1 21	15	- <del>12</del> -	<u> </u>	22
Nonmanufacturing	170	2.25	-	-	-	-	-	-	22	ĩ	7	5	5	19	23	33	25	20	i		4	1	1	-
Engineers, stationary	396	2.36	-	-	3	- 1	_	-	13	7	6	28	38	35	.52	41	65	31	5	31	2	15		24
Manufacturing	255	2.45		-	-	-	-	-	-			16	35	14	24	31	44	28	4	22	•	13	-	24
Nonmanufacturing	141	2.18	-	-	3	-	-	-	13	7	6	12	3	21	28	10	21	3	1	9	2	2	-	-
Firemen, stationary boiler	556	2,00	L .		8	11	17	_20	29	62	72	73_	47	34_	72	50	34	18	4	-	5			
Manufacturing	344	2.03	-	-	-	-	3	-	12	44	69	66	13	20	66	18	12	16	-	-	5	-	-	-
Nonmanufacturing	212	1.94	-	-	8	11	14	20	17	18	3	7	34	14	6	32	22	2	4	-	-	-	-	-
Helpers, trades, maintenance	984	1.90	5	-	2	6	47	63	95.	170	121	54	53	326		34	3			<u> </u>				<u> </u>
ManufacturingNonmanufacturing	770	1.92	5	-	-	6	36	47	57	131	95	42	47	290	5	14		-		-	-	-	-	-
Public utilities †	214	1.84	-	:	2	:	11	16	38	39	26	12 10	6	36 35	-	20	3	-	:	-	-	-	-	•
Wholesale trade	62	1.84		1 :	ī	1	10	ī	15	16	12	10	0	35	-	13	3	1 :	1 :				1 []	
Retail trade	51	1.71	5	-	i	-	1	2	9	16	12	-	-	1	-	4	-	-	-	-	-	-	-	-
Machine-tool operators, toolroom	428	2.37	<u>  -</u>	-						<u>-</u>	<u></u>	- <u>-</u> -	33	<u>65</u>	45 45	65	<u>49</u> 49	117	54	<u></u>				
Manufacturing	420				-				-		-		55						1	-				
Machinists, maintenance	1.123	2.44				-				2	9	31	27	165	98	90	154	104	343	89	8	3		•
Manufacturing	1,077	2.45	-	-	-	-	-	-	-	2	9	31	26	156	84	84	151	93	343	89	6	3	-	-
Mechanics, automotive (maintenance)	671	2.18	<u> </u>	-	-	-	-	1	7	28	86	32	77	170	113	31	51	7	13	33	10	12		-
Manufacturing	84	2.44	-	-	-	-	1 -	:	1				8	2	7	10	29	2	12		10	1 .:		-
Nonmanufacturing Public utilities †	587 332	2.14 2.13	:		1	:	1	1	7	28 12	86 56	32 18	69 22	168 89	106	21 18	22 22	5			10	12	1 1	-
Wholesale trade	114	2.13	1 -			1	1	1 2	6	15	30	6	5	6	91	3		2	1	19	10	12	]	
Retail trade	141	2.10						1	ĭ	1 i		l ă	42	73	15	1 -		1 -		1 1		1		-
Mechanics, maintenance	1,525	2.24					_	20	1		110	232	177	200	158	123	140	136			}			
Manufacturing	1,149	2.22	+		+						109	225	108	133	107	95	1140	66	182	37	<u>├</u> -		8	
Nonmanufacturing		2.28	-	-	-	- 1	-	20	1	-	1 i	7	69	67	51	28	22	70	5		1 - 1		2	- 1
Public utilities †	119	2.41	-	-	-	-	-	-	-	-		-	12	8	7	24	18	50	-					
Wholesale tradeRetail trade	51	2.64	-	-	-	-	-	- 1	-	-	-	-	-	-	14	-	-	-	2		-	-	2	1
	185	2.19	-	-	•	-	-	-	-	-	1	7	57	59	30	4	4	20	3	-	-	-	-	-
Millwrights	327	2.31 2.31	÷					<b>-</b> -	<b>-</b>	<u> </u>	2	40	22	19	20	51	163	+	3	4	2	<u> </u>		
Oilers			-		-	-		-	-		2	40	22	19	20	51	163	1	3	4	2	-	-	-
Manufacturing	2 77	1.89 1.88	+-:-				10 10	21 18	17 17	<u>54</u> 54	10	78 76	3 <u>4</u> 14	34	14	5	+	<u>-</u>	+ :	+:-	<u>  -</u>	+ :	+	<u> </u>
Painters, maintenance	3 78	2.08	10			12		11	12	27	40	19	37		29		-					.		
Manufacturing	216	2.24		+ -	+-:	12		+	12	2	29	14	17	<u>58</u> 36	11	33	76	5	4	+	+	+ +	┟────┤	
Nonmanufacturing	162	1.87	10			12	]	11	12	25	11	5	20	22	18	11	3	1	1	1 :	3	1		
Services	62	1.53	10	-	-	12	-	10	10	12	6	-		2	1.		1	:	-	1.	1 1	-	1 1	1 -
	1	ł	1	1	1	1	1	1			1	1	1	1	1		1	1			Į –	Ļ	1 '	1

## (Average hourly earnings for men in selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

See footnotes at end of table. † Transportation (excluding railroads), communication, and other public utilities.

### Table A-3: Maintenance and Powerplant Occupations - Continued

									NUM	BER OF	WORKER	S RECEI	VING ST	RAIGHT-	гіме но	OURLY B	ARNING	8 OF						
Occupation and industry division	Number of workers	Average hourly 1 earnings	\$ 1.00	\$ 1.10	\$ 1.20	\$ 1.30	\$ 1.40	\$ 1.50	\$ 1.60	\$ 1.70	\$ 1.80	\$ 1.90	\$ 2.00	<b>\$</b> 2.10	\$ 2.20	\$ 2.30	\$ 2.40	\$ 2.50	<b>\$</b> 2.60	\$ 2.70	\$ 2.80	\$ 2.90	\$ 3.00	\$ 3.10
			and under 1.10	- 1.20	1.30	- 1.40	- 1.50	-	- 1.70	-	- 1.90	- 2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	3.10	and over
Pipefitters, maintenance	560	\$ 2.39	-	-	-	-	-	-	-	-	7	18	29	44	71	88	127	29	120		9		]	1
Manufacturing	535	2.39	- 1	-	-	-	-	-	-	-	7	18	26	40	61	87	127	29	118	17	4	-	-	T
Plumbers, maintenance	68	2.30		-	-	-		•	5		. ·	3	4	6	4	34	4	4	1	1		<u>  -</u>	1	1
Sheet-metal workers, maintenance	1 75	2.43	-	-	-	-	-	-	-	-	2	2	3	4	19	27	57	41	15	2	3		-	
Manufacturing	165	2.45	-	-	•	-	-	-	•	-		2	1	4	14	25	57	41	15	2	3	-	-	-
Tool and die makers	1,127	2.62		-	•	-	-	-	-		2	4	14	18	74	121	109	193	95		7	317	-	2
Manufacturing	1,124	2.63	-	-	-	-	-	-	-		2	2	14	18	74	120	109	193	95	171	1 7	317	-	2

(Average hourly earnings for men in selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.
 Workers were distributed as follows: 50 at \$3.10 to \$3.20; 18 at \$3.20 to \$3.30; 2 at \$3.30 to \$3.40.

#### Table A-4: Custodial and Material Movement Occupations

						_			NUMI	BER OF	WORKER	S RECEI	VING ST	RAIGHT-	тіме но	URLY E	ARNING	8 OF-						
Occupation <sup>1</sup> and industry division	Number of workers	Average hourly earnings <sup>2</sup>	\$ 0.80 and under .90	\$ 0.90 - 1.00	\$ 1.00 - 1.10	\$ 1.10 - 1.20	-	\$ 1.30 - 1.40	\$ 1.40 - 1.50	\$ 1.50 - 1.60	-	\$ 1.70 - 1.80	-	\$ 1.90 2.00	-	-	-	\$ 2.30 - 2.40	-	-	-	-	-	\$ 2.90 and over
Elevator operators, passenger (men) Nonmanufacturing	543 530	\$ 1.21 1.20	-	61	141	22	151 151	104	19	27	1	7		6	4					-	-	<u> </u>	-	-
Finance †† Services	284 183	1.30 1.04	:	30	7 129	5 12	137 12	104	19	12	-		-	:	-	-	:	:	-	-	-	-	-	:
Elevator operators, passenger (women) Nonmanufacturing Retail trade	442 421 184	1.12 1.10 1.04	9 9 4	37 37 32	230 230 117	72 72 31	32 22 -	37 36 -	6	1	5 4 -	6 6 -	-	74-			-		-				-	-
Guards	947 577 370	1.80 1.87 1.67	-	<u> </u>	-	5	59 13 46	36 11 25	35 4 31	64 42 22	71 43 28	273 176 97	70 33 37	21	247 194 53	-	<u>.</u> :	23 18 5	41 41	2				<u>-</u>
Financett	261	1.59	- 50	- 61	- 285	5 254	46 436	23 560	31	21	28	50 355	29 472	14 169	14 227	- 41	-	-	-	-	-	-	-	-
Manufacturing	1,945 2,171 397 140 627 607 400	1.64 1.36 1.63 1.59 1.31 1.35 1.13	50 - - 50	61 	38 247 12 107 42 86	45 209 4 52 25 128	100 336 35 10 153 90 48	102 458 14 25 121 276 22	389 167 30 12 18 66 41	199 154 61 16 17 60	182 94 41 8 12 33	104 251 175 17 35 12 12	420 52 24 25 3	113 56 14 39 -	196 31 3 28 - -	36 5 - 5 -	21	-		• • • • •			•	

(Average hourly earnings for selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

See footnotes at end of table.

† Transportation (excluding railroads), communication, and other public utilities. †† Finance, insurance, and real estate.

## Table A-4: Custodial and Material Movement Occupations - Continued

									NUME	BER OF	WORKER	S RECEI	VING ST	RAIGHT-	TIME HO	URLY E	ARNING	8 OF						
Occupation <sup>1</sup> and industry division	Number of workers	Average hourly 2 earnings	\$ 0.80 and under .90	-	\$ 1.00 - 1.10	-	-	\$ 1.30 - 1.40	-	\$ 1.50 - 1.60	-	-	-	- 1	\$ 2.00 - 2.10	-	- 1	-	\$ 2.40 - 2.50	-	-	\$ 2.70 - 2.80	-	\$ 2.90 and over
Janitors, porters, and cleaners (women) Manufacturing Nonmanufacturing Retail trade Finance ††	1,876 252 1,624 107 1,131	\$ 1.26 1.39 1.24 1.07 1.26	27	44 44 35 1	163 13 150 43 51	249 38 211 14 52	641 68 573 - 548	578 29 549 5 475	51 20 31 10 3	47 20 27 - -	23 19 4 1	36 36 - -	8	- 6 - - -	3 - - -	-				-	-		-	
Laborers, material handling Manufacturing Nonmanufacturing Fublic utilities	3,250	1.67 1.64 1.70 2.01 1.68 1.59	-	40 40 - 40	284 84 200 42 140	179 86 93 66 23	500 421 79 53 26	420 283 137 93 33	731 552 179 99 79	469 251 218 16 68 134	457 292 165 4 85 75	331 89 242 3 147 90	710 259 451 148 110 190	348 179 169 27 10 132	713 548 165 65 20 80	393 79 314 255 54 5	63 61 2 - 2	81 59 22 - 22 -	38 7 31 - 31 -	5-5-	49 49 49 -	-	-	-
Order fillers Manufacturing Nonmanufacturing Wholesale Retail trade	2,405 889 1,516 1,041 475	1.75 1.83 1.70 1.68 1.75		-	53 9 44 4 40	59 6 53 43 10	170 2 168 123 45	168 23 145 121 24	60 21 39 29 10	150 36 114 110 4	283 161 122 70 52	294 86 208 186 22	371 191 180 128 52	234 224 10 6 4	4	180 56 124 124 -	67 23 44 44 -	38 18 20 20	21 21 - -	6 - - -	7 2 5 5 -	-	- - -	
Packers, shipping (men) Manufacturing Nonmanufacturing Wholesale Retail trade	1,785 1,090 695 464 202	1.67 1.69 1.65 1.83 1.26	-	2	69 69 66	53 9 44 6 32	130 80 50 12 38	95 38 57 44 13	352 280 72 51 21	94 73 21 20 1	180 125 55 33 2	138 82 56 41 15	136 89 47 47 -	190 163 27 15 12	56 56 - -	248 53 195 195 -	18 18 - - -	6 - - -	18 18 - -		-		-	-
Packers, shipping (women) Manufacturing Nonmanufacturing	345 249 96	1.39 1.40 1.36	<u>-</u> -	-	42 42 -	52 36 16	30 30	70 64 6	44 18 26	12 6 6	23 20 3	21 12 9	48 48 -	3 3 -	-	-	-		-	-				
Receiving clerks Manufacturing Nonmanufacturing Wholesale trade Retail trade	758 390 368 185 141	1.80 1.90 1.69 1.76 1.64	-	-	25 25 13	7 7 2 5	30 6 24 13 5	26 20 6 2 4	33 8 25 10 15	72 12 60 44 16	82 40 42 12 29	105 50 55 27 17	86 65 21 12 8	71 42 29 12 11	88 65 23 17 6	38 17 21 15 1	26 17 9 3 6	52 43 9 9 -	13 3 10 5 5	1	3 1 2 2 -	-		
Shipping clerks	799 320 479 299 144	1.88 1.98 1.81 1.91 1.64		-	3	3	13 6 7 7 7	32 18 14 14 14	60 12 48 19 29	71 16 55 33 12	33 6 27 2 24	98 15 83 50 18	109 51 58 45 3	115 31 84 76 8	81 50 31 20 11	27 18 9 -	47 29 18 18 -	27 25 2 2 -	46 32 14 2 12	13 10 3 -	-	18 18 18	-	3 1 2 2 -
Shipping and receiving clerks	560 192 368 77 253	1.86 1.89 1.85 1.99 1.85	-	-	-		24	10 10 10	12 12 10 2	23 23 10 13	72 56 16 8 8	58 12 46 4 42	98 12 86 2 81	109 39 70 11 57	70 40 30 10 18	41 18 23 - 17	15 15 - -			9 9 4 5	4 - 4 4 -	14 14 14 -	-	-

## (Average hourly earnings for selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

See footnotes at end of table. † Transportation (excluding railroads), communication, and other public utilities. †† Finance, insurance, and real estate.

	1	Г							NUME	BER OF V	VORKER	S RECEI	VING ST	RAIGHT-	TIME HO	URLY E.	ARNING	3 OF	· · ·					
Occupation <sup>1</sup> and industry division	Number of workers	Average hourly earnings	\$ 0.80 and under .90		-	-	\$ 1.20 - 1.30	\$ 1.30 - 1.40	\$ 1.40 - 1.50	\$ 1.50 - 1.60	-	-	-	-	-	-	-	-	\$ 2.40 - 2.50	-	-	-	-	\$ 2.90 and over
Truckdrivers <sup>3</sup>	3,354	\$ 2.09	_	-	10	6	50	70	79	62	149	162	280	237	280	1122	123	165	58	40	407	54		
Manufacturing	948	2.14		<u>+</u>				24	3	5	56	55	67	71		238	33	124		36				
Nonmanufacturing	2.406	2.07	-		10	6	50	46	76	57	93	107		166		884	90	41	53	4		54	-	-
Public utilities +	702	2.16	-	1 - 1	-	-	-	-	-	•	-	3	2	6		660	-	ii					-	-
Wholesale trade		2.21	-	-	-	-	24	24	-	20	54	-	178	28		125	2	22	52	4	261	54	-	-
Retail trade	697	1.95	- 1	-	10	-	10	10	4	13	29	100	23	132	172	99	86	8	1	-	-	-		-
Services —	147	1.39	-	-	-	6	14	12	72	24	6	4	7	· ·	•	-	2	-	•	•	-	-	-	-
Truckdrivers, light (under 11/2 tons)	475	1.82	-	-	-	6	40	60	12	45	79	38	22	17	13	. 55	8	20	-	-	60	-	-	-
Manufacturing	237	2.06		-	•	-	-	24	-	5	20	34		17		50	6	-	-	-	60	-		-
Nonmanufacturing Wholesale trade	238	1.58	-	-	-	6	40	36	12	40	59	4	9	-	5	5	2	20	-	-	•	-	-	-
Services	103	1.66	-	-	-	-	24	14		16	24		:	-	-	5	-	20	-	-	-	-	-	-
Services	87	1.47	-	•	•	6	14	12	12	24	6	4	7	-	-	-	2	-	-	-	-	-	-	•
Truckdrivers, medium $(1\frac{1}{2}$ to and										.														
including 4 tons)	1.110	1.96	l -	-	10	-	10	10	67	17	40	118	211	206	71	195	8	76	5	28	38	-		
Manufacturing	405	2.14	-	-	-	-	-		3		36	15	27	44		94		76		28	38	-		
Nonmanufacturing	705	1.85		-	10	-	10	10	64	17	4	103	184	162		101	8	-	-	-	- 1	-	- 1	-
Public utilities †	79	2.10	-	-	-	-	-	-	-	-	-	3	2	6	16	52	-	-	-	-	-	-	-	-
Wholesale trade	243	1.91	-		-	-	-	10	-	4	-	-	158	24	-	45	2	-	-	-	-	-	-	-
Retail trade	321	1.82	-	-	10	-	10	-	4	13	4	100	23	132	15	4	6	•	-	-	-	-	-	-
Truckdrivers, heavy (over 4 tons,																								
trailer type)	980	2.28	-	-	-	•	-	-	-	-	-	- 1	26	7	38	582	69	47	1 - 1	7	204	- 1	-	-
Manufacturing		2.13	-	-	-	-	-		-	-	-	-	26	7	12	72	-	45		3	-	-	-	-
Nonmanufacturing Public utilities †	815	2.30	-	-	-	-	-	-	-	-	-	-	-	-	26	510	69	2	-	4	204	-	-	-
Wholesale trade	400	2.17	-	-	-	-	-	-	-	-	-	-	-	-	-	400	-	-	-			-	•	-
wholesale trade	271	2.56	-	-	-	-	-	-	-	-	•	-	•	-	1	60	•	2	-	4	204	-	-	-
Truckdrivers, heavy (over 4 tons, other													•											
than trailer type) Manufacturing	603	2.14					-	•	•	-	30		21	7		281	33	11	•	5				
Nonmanufacturing	71 532	2.16		1 :		-			-	-	30	-	20	3		13 268	23 10	11	•	5	57		-	-
Public utilities †	219	2.14	1 :	] .	-	-			-	-			20		152	208	-	11		1 -	1 2	:		
Wholesale trade	126	2.23	1 1	1 2	1		1				30		20	4	1	15		11		]	57	1		
	120	2.25			-	-	-	-	-	-		-		1	-		_			_			-	
Truckers, power (forklift)	766	1.97	<u> </u>	<u> </u>		:	-	3	17	41 40	70	19 18	145	84 52		128	50 50	58 58	18 18	-	6	-		<u> </u>
Nonmanufacturing	221	2.03	] _	-	-		-	ĩ	-	1	9	ĩ	48	32	28	95	-	-			6	- I		
Wholesale trade	90	1.98			-	-	-	i	-	î	1 1	î	34	28	9	íŏ	-	-	-	-	6			
Retail trade	101	2.05	-	-	•	-	-	-	-		9	-	14	•	13	65	-	-	-	-	-	-	-	-
Truckers, power (other than forklift) Manufacturing	205	2.01	-	-		-	-	1	1	4	6	1	25	92	25	11	10		18	<u>-</u>	<u> </u>	<u> </u>		<u> </u>
			1					-		-		· ·												
Watchmen	1,071	1.50	10	17	57	50	205	118	138	62	127	93	60	58	53	6	4	9	4	-			-	-
Manufacturing	602	1.58	-	-	24	-	83	44	116	40	80	71	43	46		4	-	3	-	-	-	-	-	-
Nonmanufacturing	469	1.39	10	17	33	50	122	74	22	22	47	22	17	12		2	4	6	4	-	•	-	-	-
Public utilities † Wholesale trade	30	1.81	-	-	-						2	15	-	12	1	-	-	1 ;	1 :	- 1	-	-	-	-
Wholesale tradeRetail trade	59	1.49	-	;	9	10	10	10	2	3	1	-		-	:		4	6	4	-	-	-	-	-
Finance ††	152	1.33	-	1	24	29	32 80	32 29	4 9	5	4 35	2	15	-	2	2	-		-	-	· ·		-	-
I mance	1 1/2	1.40	-	-	-	1 1	80	49	9	14	35	4	1		· ·	- 1	-		1 -	-	1 -	1 -	- 1	- 1

## (Average hourly earnings for selected occupations studied on an area basis in Boston, Mass., by industry division, September 1957)

Data limited to men workers, except where otherwise indicated.
 Excludes premium pay for overtime, and for work on weekends, holidays, and late shifts.
 Includes all drivers regardless of size and type of truck operated.
 Transportation (excluding railroads), communication, and other public utilities.
 Finance, insurance, and real estate.

## B: Establishment Practices and Supplementary Wage Provisions

	Pe	rcent of manufactu	ring plant worker	rs
Shift differential	In establish	a) iments having visions for		b) vorking on
	Second shift work	Third or other shift work	Second shift	Third or other shift
Total	81.6	69.0	7.8	2.5
With shift pay differential	81.6	69.0	7.8	2.5
Uniform cents (per hour)	41.8	29.2	5.3	1.3
2 <sup>1</sup> / <sub>4</sub> , 3 <sup>1</sup> / <sub>4</sub> , or 4 cents	2.4 8.1 4.8 2.1 3.0 2.3 9.6 1.1	1.0 .8 1.2 4.5 3.0 1.3 8.4 3.2	.3 1.0 .3 * .2 .4 1.3 .6	- .2 .1 .2 * .3 .2
15 cents 16 cents 17 cents Over 17 cents	5.1 .8 1.2 1.2	2.4 .8 1.2 1.5	.4 .5 .2 .1	.1 * .1 .2
Uniform percentage	36.8	38.1	2.1	1.1
5 percent	4.1 2.8 28.6 1.3	1.0 3.5 1.0 23.1 - 9.5	.3 - 1.1 .4	* * .7 - .4
Full day's pay for reduced hours	3.1	1.7	.3	-
No shift pay differential				

## Table B-1: Shift Differential Provisions<sup>1</sup>

<sup>1</sup> Shift differential data are presented in terms of (a) establishment policy, and (b) workers actually employed on late shifts at the time of the survey. An establishment was considered as having a policy if it met either of the following conditions:
 (1) Operated late shifts at the time of the survey, or (2) had formal provisions covering late shifts.
 \* Less than 0.05 percent.

	Num	ber of esta	ablishmen	ts with s	pecified mi	nimum hir	ing rate in		Numb	er of estab	lishments	with spec	cified mini	mum hirir	ng rate in-	
Minimum rate		м	anufacturi	ing		Nonmanu	ufacturing			Ma	anufacturi	ng		Nonmar	nufacturing	5
(weekly salary)	All industries		Bas	ed on sta	ndard week	ly hours <sup>2</sup>	of—	<u> </u>	All industries		Based	on standa	ard weekly	hours <sup>2</sup> o	f—	
_		All schedules	37¥2	40	All schedules	36¼	374/2	40		All schedules	37 <sup>1</sup> /2	40	All schedules	36¼	371/2	40
Establishments studied	249	84	ххх	xxx	165	xxx	xxx	xxx	249		xxx	xxx	165	xxx	<u>xxx</u>	xxx
			<u>FOR I</u>	NEXPER	IENCED TY	PISTS				FOR OT	HER INEX	PERIENC	EDCLERI	CAL WOI	RKERS 3	
Establishments having a specified minimum	130	47	12	24	83	12	20	29	138	48	14	22	90	12	21	30
\$32.50 and under \$35.00 \$35.00 and under \$40.00 \$40.00 and under \$42.50 \$42.50 and under \$45.00 \$45.00 and under \$47.50 \$47.50 and under \$47.50 \$50.00 and under \$50.00 \$52.50 and under \$52.50 \$55.00 and under \$57.50 \$55.00 and under \$57.50 \$55.00 and under \$60.00 \$66.00 and under \$65.00 \$62.50 and under \$65.00 \$67.50 and under \$70.00	1 5 3 30 30 12 11 3 3 4 1 3 1 -	- 1 7 9 15 3 4 1 3 - 2 1 -	- 1 2 2 5 1 1 - -	- - 4 3 6 1 2 1 1 3 - 2 1 -	1 5 2 16 21 15 9 7 2 2 1 1 1 1 -	- - 2 4 2 2 - 1 - 1 - -	- - - - - - - - - -	- - - - 3 4 5 4 1 2 - - 1 1 -	2 6 31 32 27 10 8 4 3 3 1 3 1 1	- 2 10 11 10 5 3 1 - 2 1 2 1 -	- 2 3 2 2 1 - - -	- - 5 3 4 1 2 1 - 2 1 2 1 -	2 6 4 21 21 17 5 5 3 3 1 - 1 - 1	- - - - - - - - - - - - -	- 1 6 8 1 1 - - -	- 1 6 5 4 3 3 2 3 - - 1 - 1
Establishments having no specified minimum	64	27	xxx	xxx	37	жх	xxx	xxx	73	28	ххх	жхх	45	***	ххх	ххх
Establishments which did not employ workers in this category	54	10	xxx	xxx	44	ххх	xxx	ххх	37	8	ххх	xxx	29	xxx	xxx	xxx
Data not available	1	-	XXX	XXX	1	XXX	xxx	xxx	1	-	ххх	xxx	1	xxx	xxx	XXX

## Table B-2: Minimum Entrance Rates for Women Office Workers<sup>1</sup>

Lowest salary rate formally established for hiring inexperienced workers for typing or other clerical jobs.
 Hours reflect the workweek for which employees receive their regular straight-time salaries. Data are presented for all the workweeks combined, and for the most common workweeks reported.
 Rates applicable to messengers, office girls, or similar subclerical jobs are not considered.

Washing house		PE	RCENT OF OF	FICE WORKER	S <sup>1</sup> EMPLOYED IN	N—			PERCENT	OF PLANT WO	ORKERS EMPLO	OYED IN-	
Weekly hours	All industries	Manufacturing	Public utilities	Wholesale trade	Retail trade	Finance ††	Services	Ail 2 industries	Manufacturing	Public utilities †	Wholesale trade	Retail trade	Services
All workers	100	100	100	100	100	100	100	100	100	100	100	100	100
32 <sup>1</sup> /2 hours	1	- 1	-	-	-	3	-	-	-	-	-	-	_
35 hours	8	9	3	-	12	9	19	1	1	-	-	2	4
Over 35 and under 361/4 hours	1	**	-	-	-	2	-	l -	-	-	-	-	-
36 <sup>1</sup> / hours	10	2	-	8	7	22	6	1	1	-	-	-	1
Over $36^{1}/_{4}$ and under $37^{1}/_{2}$ hours	3	**	-	-	7	4	2	-	-	-	-	-	-
37 <sup>4</sup> /2 hours	25	15	55	31	19	28	13	8	7	-	2	15	2
Over 37 <sup>1</sup> / <sub>2</sub> and under 38 <sup>3</sup> / <sub>4</sub> hours 38 <sup>3</sup> / <sub>4</sub> hours	8	**	-	8	8	15	15	2	-	-	2	8	-
38 <sup>3</sup> / <sub>4</sub> hours	8	9	-	4	6	11	-	-	-	-	-	-	-
Over 38 <sup>3</sup> / <sub>4</sub> and under 40 hours	2		-	-	19	-	1	1	-	-	-	5	-
40 hours	34	63	42	49	22	6	43	79	84	98	74	58	76
Over 40 and under 44 hours	**	-	-	-	-	-	1	3	1	-	10	7	2
44 and under 48 hours	**	1	-	-	-	-	-	2	3	-	5	-	11
48 hours and over	**	1	-	-	-	-	-	4	4	2	7	6	4

Table B-3: Scheduled Weekly Hours

Estimates for office workers are not comparable with earder studies. See Introduction, p. 2. Includes data for real estate in addition to those inclustry divisions shown separately. \*\* Less than 0.5 percent. Transportation (excluding railroads), communication, and other public utilities.

it Finance, insurance, and real estate.

#### Table B-4: Overtime Pay Practices

		PE	RCENT OF OF	FICE WORKERS	S EMPLOYED II	N			PERCENT	OF PLANT WO	ORKERS EMPLO	OYED IN-	
Overtime policy	All industries	Manufacturing	Public utilities †	Wholesale trade	Retail trade	Finance ††	Services	Ali industries	Manufacturing	Public utilities †	Wholesale trade	Retail trade	Services
All workers	100	100	100	100	100	100	100	100	100	100	100	100	100
DAILY OVERTIME													
Workers in establishments providing premium pay <sup>2</sup> Time and one-half         Effective after less than 8 hours         Effective after 8 hours         Other         Workers in establishments providing no premium pay or having no policy	48 46 14 32 2 52	70 69 7 63 1 30	94 94 54 40 -	65 65 21 45 - 35	58 58 30 28 ** 42	14 11 8 3 3 86	37 36 12 25 1 63	80 80 8 72 - 20	85 85 77 - 15	100 100 100	65 65 2 63 - 35	73 73 12 61 - 27	36 36 - 36 -
WEEKLY OVERTIME													
Workers in establishments providing premium pay <sup>2</sup> Time and one-half Effective after less than 40 hours Effective after 40 hours Other Workers in establishments providing no premium pay or having no policy	97 97 21 75 ** **	99 99 12 87 - **	99 99 54 45 - -	97 97 25 72 - - 3	85 85 24 59 2 **	100 100 22 78 -	82 81 12 69 - 1 18	97 97 7 89 1 - 3	99 99 8 90 - -	100 100 100 -	93 93 2 91 - - 7	96 96 10 83 2 -	80 80 - 75 4 - 20

Includes data for real estate in addition to those industry divisions shown separately.
 Graduated provisions are classified to the first effective premium rate. For example, a plan calling for time and one-half after 8 and double time after 10 hours a day would be considered time and one-half after 8 hours. Similarly, a plan calling for no pay or pay at regular rate after 37<sup>1</sup>/<sub>2</sub> and time and one-half after 40 hours would be considered as time and one-half after 40 hours would be considered as time and one-half after 40 hours would be considered as time and one-half after 40 hours.
 \*\* Less than 0.5 percent.
 † Transportation (excluding rairoads), communication, and other public utilities.
 † Finance, insurance, and real estate.

Occupational Wage Survey, Boston, Mass., September 1957 U. S. DEPARTMENT OF LABOR Bureau of Labor Statistics

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		PE	RCENT OF OF	FICE WORKERS	SEMPLOYED I	1-			PERCENT	OF PLANT WO	ORKERS EMPLO	YED IN-	
Item	Ail industries	Manufacturing	Public utilities 🕇	Wholesale trade	Retail trade	Finance ††	Services	All industries )	Manufacturing	Public utilities	Wholesale trade	Retail trade	Services
WAGE STRUCTURE FOR TIME-RATED WORKERS	:												
Formal rate structure Single rate Range of rates Individual rates	67 5 61 33	68 12 57 32	92 6 86 8	47 4 43 53	56 10 45 44	69 69 31	52 - 52 48	56 23 33 17	55 23 32 9	99 19 80 -	62 29 34 34	40 15 25 39	61 54 7 27
METHOD OF WAGE PAYMENT FOR PLANT WORKERS													
Time workers Incentive workers Piecework Bonus work Commission			DATA	NOT COLLI	ECTED			73 27 12 10 5	64 36 20 16 -	99 1 ** -	96 4 2 - 2	79 21 ** 21 21	88 12 4 5 3
LABOR-MANAGEMENT AGREEMENTS													
Workers in establishments with agreements covering a majority of such workers	15-19	20-24	75-79	15-19	10-14	-	0-4	70-74	75-79	90-94	50-54	60-64	50-54

## Table B-5: Wage Structure Characteristics and Labor-Management Agreements

Includes data for real estate in addition to those industry divisions shown separately.
 Estimates relate to all workers (office or plant) employed in an establishment having a contract in effect covering a majority of the workers in their respective category. The estimates so obtained are not necessarily representative of the extent to which all workers in the area may be covered by provisions of labor-management agreements due to the exclusion of smaller size establishments.

\*\* Less than 0.5 percent. † Transportation (excluding railroads), communication, and other public utilities. †† Finance, insurance, and real estate.

Table B-6: Paid Holidays<sup>1</sup>

		PE	RCENT OF OF	FICE WORKERS	B EMPLOYED IN	i—			PERCENT	OF PLANT WO	ORKERS EMPL	OYED IN-	
Item	All industries	Manufacturing	Public utilities 🕇	Wholesale trade	Retail trade	Finance ††	Services	All industries 2	Manufacturing	Public utilities <b>†</b>	Wholesale trade	Retail trade	Services
All workers	100	100	100	100	100	100	100	100	100	100	100	100	100
Workers in establishments providing													
paid holidays	100	100	100	100	100	100	100	96	99	100	100	94	67
Workers in establishments providing no paid holidays	-	-	-	-	-	-	-	4	1	-	-	6	33
NUMBER OF DAYS													
Less than 6 holidays	**	-	-	-	2	-	-2	4	3	2	7	7	5 36
6 holidays6 holidays plus:	1	2	1	2	1	-	2	9	•	5	4	9	20
2, 3, 5 half days	1	1	-	-	3	-	2	2	3	-	4	1	
7 holidays7 holidays plus;	2	5	1	-	-	-	2	18	27	10	4	2	11
1 half day	**	1	-	-		-	-	**	-	-	1	-	-
2 half days	8	12	-	-	51	-	-	9	4	-	5	29	-
4 or more half days	**	- 4	-	-	-	-	1	1 9	2 13	-	:	- 5	
8 holidays plus:	2	4	2	1	-		1	9	15	-	-	, ,	
1, 2, 4 half days	1	3	-	-	-	-	2	1	2	-	-	-	-
9 holidays 9 holidays plus:	5	10	3	6	**	-	17	7	10	8	11	-	1
1, 2 half days	2	1	**	-	1	3	-	2	2	2	-	2	-
10 holidays	19	28	10	34	24	9	14	18	14	6	35	36	4
10 holidays plus: 1 half day	6	5	54	_	**	_	-	5	2	45	-		-
2 half days	**	-	-	3	-	-	-	- 1	-	-	-	-	-
11 holidays	43	25	28	47	18	67	38	8	6	21	28	4	6
11 holidays plus: 1 half day	7	1	-	3	_	18	-	1	2	-	-	-	-
2. 3 half days	1	-	-	4	-	2	-	**	-	-	2	-	-
12 holidays and over	2	2	-	-	-	-	22	**	1	-	-	-	**
TOTAL HOLIDAY TIME 3													
12 or more days	3	2	-	4	-	2	22	**	1	-	2	-	**
11 <sup>1</sup> / <sub>2</sub> or more days	10	3		6		20	22	3	5	-	2	-	**
11 or more days	54 60	28 33	28 82	57 57	18 18	87 87	60 61	11	11	21 66	31	4	6
10 or more days	79	62	92	91	42	96	76	34	27	74	65	40	11
91/2 or more days	80	63	92	91	43	99	76	36	29	74	65 77	42	11
) or more days	86 86	75 76	95 95	97 97	44 44	99 99	95 95	44 45	40	82 82	77	42 42	12 12
or more days	96	92	97	98	94	100	95	63	58	82	81	75	16
7 <sup>1</sup> / <sub>a</sub> or more days	97	93	97	98	97	100	95	63	58 89	82	82 89	76 78	16 26
7 or more days	99 99	98 100	99 100	98 100	97 98	100 100	98 100	83 92	96	92 98	93	87	62
51/2 or more days	99	100	100	100	98	100	100	93	97	98	93	87	62
5 or more days	99	100	100	100	98	100	100	94	97	100	93 93	89 92	67 67
4 or more days	99 99	100 100	100 100	100 100	98 98	100 100	100 100	95 95	97	100 100	93	92	67
2 or more days	99	100	100	100	98	100	100	96	99	100	93	92	67
1 or more days	100	100	100	100	100	100	100	96	99	100	100	94	67

See footnotes at end of table.

† Transportation (excluding railroads), communication, and other public utilities. †† Finance, insurance, and real estate.

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Table B-6: Paid Holidays<sup>1</sup> - Continued

		PE	RCENT OF OF	FICE WORKER	S EMPLOYED II	N—			PERCENT	OF PLANT WO	ORKERS EMPL	DYED IN-	
Item	All industries	Manufacturing	Public utilities <b>†</b>	Wholesale trade	Retail trade	Finance ††	Services	All 3 industries	Manufacturing	Public utilities <b>†</b>	Wholesale trade	Retail trade	Services
HOLIDAYS 4													
New Year's Day         Washington's Birthday         Decoration Day         Labor Day         Labor Day         Thanksgiving         Christmas         Patriots' Day         Bunker Hill Day         Day (Christmas Eve         Ya day, Christmas Eve         Ya day, Bunker Hill Day         Ya day, Bunker Hill Day	99 92 99 99 86 99 84 45 45 45 45 45 45 45 45 45 4	100 79 100 98 100 78 100 100 79 66 15 12 14 13 - 1 +*	100 99 100 100 97 100 100 90 95 28 - - - 54	100 98 100 100 96 100 100 93 88 50 - 7 7 -	98 94 98 98 43 95 43 44 18 - ** 56 ** 39	100 99 100 100 99 100 100 96 98 76 1 - 20 -	100 96 100 100 80 100 100 77 72 56 - 13 5 2 3	94 65 93 88 95 95 94 45 44 11 5 7 7 5 8	96 58 98 99 47 98 98 40 10 8 8 11 - 2 2	100 92 98 98 100 82 100 100 74 82 21 - - - 45	93 85 93 93 93 77 93 93 74 25 66 25 6 11 7	92 80 87 92 46 92 87 40 43 4 - - 32 - 31	62 31 62 67 60 22 67 67 10 11 7 -

Estimates relate to holidays provided annually.
 Includes data for real estate in addition to those industry divisions shown separately.
 All combinations of full and half days that add to the same amount are combined; for example the proportion of workers receiving a total of 7 days includes those with 7 full days and no half days, 6 full days and 2 half days, 5 full days and 4 half days, and so on.
 Only the holidays or half-day holidays provided to at least 4 percent of the office or plant workers in the area are shown in this tabulation. Full-day holidays applying to lesser proportions of the workers were mainly religious holidays. Half-day holidays applying to lesser proportions were generally granted in nonmanufacturing establishments in lieu of full-day holidays listed above.
 \*\* Less than 0.5 percent.
 † Transportation (excluding railroads), communication, and other public utilities.
 † Finance, insurance, and real estate.

	1	PE	RCENT OF OF	FICE WORKERS	S EMPLOYED IN	I—			PERCENT	OF PLANT WO	ORKERS EMPL	YED IN-	
Vacation policy	All industries	Manufacturing	Public utilities †	Wholesale trade	Retail trade	Finance ††	Services	All industries	Manufacturing	Public utilities †	Wholesale trade	Retail trade	Services
All workers	100	100	100	100	100	100	100	100	100	100	100	100	100
METHOD OF PAYMENT													
Workers in establishments providing paid vacations Length-of-time payment Percentage payment Other Workers in establishments providing no paid vacations	100 99 1 -	100 99 ** -	100 85 15 -	100 100 - -	100 100 - -	100 100 - -	100 100	1.00 89 10 1	100 84 14 1 -	100 88 12 -	100 100 - -	100 100 - -	100 87 13 -
AMOUNT OF VACATION PAY <sup>2</sup>													
After 6 months of service													
Less than 1 week 1 week Over 1 and under 2 weeks 2 weeks	2 48 8 27	1 57 8 12	34 1 55	41 20 6	72 2 -	5 37 6 45	59 11 15	22 31 1 4	36 18 1 **	32 2 45	14 29 13 7	70	1 11 2 1
After 1 year of service													
1 week Over 1 and under 2 weeks 2 weeks 3 weeks Over 4 weeks	4 ** 91 5 -	5 - 92 3 -	2 1 97 -	3 97 -	18 82 -	- 91 9	11 81 8	55 4 40 1 **	74 6 19 1 -	8 3 89 -	32 61 7	20 	83 - 17 **
After 2 years of service													
l week	1 90 2 6	2 93 2 3	1 99 - -	2 98 -	- 99 1 -	- 85 2 13 -	4 72 13 10	31 16 51 1 **	45 27 26 1 1 -	7 1 92 -	19 1 74 - 7	1 	45 55 **
After 3 years of service													
<pre>1 week</pre>	1 	2 93 2 3	1 98 1	2 98 - -	- 99 1 -	- 85 2 13 -	3 57 13 26	17 15 65 1 1 **	23 25 49 1 2 -	7 88 5	9 4 80 - 7	1 - 98 1 -	38 61 **
After 5 years of service													
1 week 2 weeks Over 2 and under 3 weeks 3 weeks Over 4 weeks	** 67 5 28 -	86 2 11 -	1 96 - 3	2 98 - - -	53 47	44 8 48 -	46 13 40	1 82 3 14 **	1 87 5 7 -	95 - 5 -	8 85 - - 7	1 59 - 40 -	93 7

Table B-7: Paid Vacations

See footnotes at end of table. † Transportation (excluding railroads), communication, and other public utilities. †f Finance, insurance, and real estate.

Occupational Wage Survey, Boston, Mass., September 1957 U. S. DEPARTMENT OF LABOR Bureau of Labor Statistics

NOTE: In the tabulations of vacation allowances by years of service, payments other than "length-of-time," such as percentage of annual earnings or flat-sum payments, were converted to an equivalent time basis; for example, a payment of 2 percent of annual earnings was considered as 1 week's pay.

		PE	RCENT OF OF	FICE WORKERS	S EMPLOYED IN	N			PERCENT	OF PLANT W	ORKERS EMPLO	YED IN-	
Vacation policy	All industries	Manufacturing	Public utilities †	Wholesale trade	Retail trade	Financett	Services	All industries 1	Manufacturing	Public utilities	Wholesale trade	Retail trade	Services
After 10 years of service  1 week 2 weeks Over 2 and under 3 weeks 3 weeks Over 3 and under 4 weeks 4 weeks Over 4 weeks	** 49 4 43 - 4	79 1 19 2	61 39	2 68 	20 44 36	26 10 65 -	40 56 3	1 67 3 21 1 7	1 78 5 14 2 1	65 35 -	8 64 17 - - 7	1 35 36 28	84 16
After 15 years of service         1 week         2 weeks         Over 2 and under 3 weeks         3 weeks         Over 3 and under 4 weeks         4 weeks         Over 4 weeks	** 12 2 82 - 4	16 83 -	- 98 - -	2 26 73 -	6 57 37	- 7 5 88 - -	29 68 3	1 22 1 68 2 7 **	1 25 1 69 3 1	100	8 18 - - - 7	1 8 61 30	71 29
After 20 years of service  1 week 2 weeks Over 2 and under 3 weeks 3 weeks Over 3 and under 4 weeks 4 weeks Over 4 weeks	*** 11 77 12	12 83 - 3	2 97 1	2 26 60 13	3 56 41 -	7 77 16	2 9 68 3	1 21 1 66 2 10 **	1 25 1 68 3 3 -	100	8 18 57 10 7	1 4 60 - 35 -	71 29
After 25 years of service  1 week 2 weeks Over 2 and under 3 weeks 3 weeks Over 3 and under 4 weeks 4 weeks Over 4 weeks	** 57 - 35 -	13 72 15 -	2 70 28	2 24 59 16	- 41 - 57 -	- 42 - 58 -	29 68 3	1 20 1 57 2 20 **	1 24 1 59 3 13 -	- - 24 -	8 15 60 10 7	1 2 56 - 41 -	71 24 5

Table B-7: Paid Vacations - Continued

Includes data for real estate in addition to those industry divisions shown separately.
 Periods of service were arbitrarily chosen and do not necessarily reflect the individual provisions for progressions. For example, the changes in proportions indicated at 10 years' service include changes in provisions occurring between 5 and 10 years.
 \*\* Less than 0.5 percent.
 † Transportation (excluding railroads), communication, and other public utilities.
 † Finance, insurance, and real estate.

		PE	RCENT OF OF	FICE WORKER	S EMPLOYED II	N—			PERCENT	OF PLANT W	ORKERS EMPL	OYED IN-	
Type of plan	All industries	Manufacturing	Public	Wholesale trade	Retail trade	Finance ††	Services	Ali industries <sup>1</sup>	Manufacturing	Public utilities	Wholesale trade	Retail trade	Services
All workers	100	100	100	100	100	100	100	100	100	100	100	100	100
Workers in establishments providing:													
Life insurance Accidental death and dismemberment	90	89	96	85	86	96	60	88	87	93	84	90	90
insurance Sickness and accident insurance or sick leave or both <sup>2</sup>	51	59	89	44	48	46	16	59	59	78	40	52	77
	77	93	99	72	97	54	90	94	94	100	69	97	90
Sickness and accident insurance Sick leave (full pay and no	42	64	25	41	70	22	32	79	89	28	45	79	78
waiting period) Sick leave (partial pay or	63	73	90	70	45	52	52	14	5	34	43	26	11
waiting period	3	4	1	-	21	-	-	11	7	50	10	9	4
Hospitalization insurance	80	85	42	81	61	93	50	78	88	44	70	65	79
Surgical insurance	79	83	42	83	55	93	43	74	87	44	75	60	49
Medical insurance	52	65	9	41	34	59	38	45	53	17	37	40	23
Catastrophe insurance	29	12	6	24	3	58	8	3	4	1	9	1	**
Retirement pension	77	73	95	65	54	89	58	59	59	88	55	61	16
No health, insurance, or pension plan	**	1	-	2	-	**	-	1	1	-	6	-	1

Table B-8: Health, Insurance, and Pension Plans

Includes data for real estate in addition to those industry divisions shown separately.
Unduplicated total of workers receiving sick leave or sickness and accident insurance shown separately below. Sick leave plans are limited to those which definitely establish at least the minimum number of days' pay that can be expected by each employee. Informal sick leave allowances determined on an individual basis are excluded.

\*\* Less than 0.5 percent.
 † Transportation (excluding railroads), communication, and other public utilities.
 † Finance, insurance, and real estate.

The primary purpose of preparing job descriptions for the Bureau's wage surveys is to assist its field staff in classifying into appropriate occupations workers who are employed under a variety of payroll titles and different work arrangements from establishment to establishment and from area to area. This is essential in order to permit the grouping of occupational wage rates representing comparable job content. Because of this emphasis on interestablishment and interarea comparability of occupational content, the Bureau's job descriptions may differ significantly from those in use in individual establishments or those prepared for other purposes. In applying these job descriptions, the Bureau's field representatives are instructed to exclude working supervisors, apprentices, learners, beginners, trainees, handicapped workers, part-time, temporary, and probationary workers.

#### Office

#### BILLER, MACHINE

Prepares statements, bills, and invoices on a machine other than an ordinary or electromatic typewriter. May also keep records as to billings or shipping charges or perform other clerical work incidental to billing operations. For wage study purposes, billers, machine, are classified by type of machine, as follows:

Biller, machine (billing machine) - Uses a special billing machine (Moon Hopkins, Elliott Fisher, Burroughs, etc., which are combination typing and adding machines) to prepare bills and invoices from customers' purchase orders, internally prepared orders, shipping memoranda, etc. Usually involves application of predetermined discounts and shipping charges and entry of necessary extensions, which may or may not be computed on the billing machine, and totals which are automatically accumulated by machine. The operation usually involves a large number of carbon copies of the bill being prepared and is often done on a fanfold machine.

Biller, machine (bookkeeping machine) - Uses a bookkeeping machine (Sundstrand, Elliott Fisher, Remington Rand, etc., which may or may not have typewriter keyboard) to prepare customers' bills as part of the accounts receivable operation. Generally involves the simultaneous entry of figures on customers' ledger record. The machine automatically accumulates figures on a number of vertical columns and computes and usually prints automatically the debit or credit balances. Does not involve a knowledge of bookkeeping. Works from uniform and standard types of sales and credit slips.

#### BOOKKEEPING-MACHINE OPERATOR

Operates a bookkeeping machine (Remington Rand, Elliott Fisher, Sundstrand, Burroughs, National Cash Register, with or without a typewriter keyboard) to keep a record of business transactions.

#### **BOOKKEEPING-MACHINE OPERATOR - Continued**

<u>Class A</u> - Keeps a set of records requiring a knowledge of and experience in basic bookkeeping principles and familiarity with the structure of the particular accounting system used. Determines proper records and distribution of debit and credit items to be used in each phase of the work. May prepare consolidated reports, balance sheets, and other records by hand.

<u>Class B</u> - Keeps a record of one or more phases or sections of a set of records usually requiring little knowledge of basic bookkeeping. Phases or sections include accounts payable, payroll, customers' accounts (not including a simple type of billing described under biller, machine), cost distribution, expense distribution, inventory control, etc. May check or assist in preparation of trial balances and prepare control sheets for the accounting department.

#### CLERK, ACCOUNTING

<u>Class A</u> - Under general direction of a bookkeeper or accountant, has responsibility for keeping one or more sections of a complete set of books or records relating to one phase of an establishment's business transactions. Work involves posting and balancing subsidiary ledger or ledgers such as accounts receivable or accounts payable; examining and coding invoices or vouchers with proper accounting distribution; requires judgment and experience in making proper assignations and allocations. May assist in preparing, adjusting, and closing journal entries; may direct class B accounting clerks.

<u>Class B</u> - Under supervision, performs one or more routine accounting operations such as posting simple journal vouchers, accounts payable vouchers, entering vouchers in voucher registers; reconciling bank accounts; posting subsidiary ledgers controlled by general ledgers. This job does not require a knowledge of accounting and bookkeeping principles but is found in offices in which the more routine accounting work is subdivided on a functional basis among several workers. <u>Class A</u> - Responsible for maintaining an established filing system. Classifies and indexes correspondence or other material; may also file this material. May keep records of various types in conjunction with files or supervise others in filing and locating material in the files. May perform incidental clerical duties.

<u>Class B</u> - Performs routine filing, usually of material that has already been classified, or locates or assists in locating material in the files. May perform incidental clerical duties.

#### CLERK, ORDER

Receives customers' orders for material or merchandise by mail, phone, or personally. Duties involve any combination of the following: Quoting prices to customers; making out an order sheet listing the items to make up the order; checking prices and quantities of items on order sheet; distributing order sheets to respective departments to be filled. May check with credit department to determine credit rating of customer, acknowledge receipt of orders from customers, follow up orders to see that they have been filled, keep file of orders received, and check shipping invoices with original orders.

#### CLERK, PAYROLL

Computes wages of company employees and enters the necessary data on the payroll sheets. Duties involve: Calculating workers' earnings based on time or production records; posting calculated data on payroll sheet, showing information such as worker's name, working days, time, rate, deductions for insurance, and total wages due. May make out paychecks and assist paymaster in making up and distributing pay envelopes. May use a calculating machine.

#### COMPTOMETER OPERATOR

Primary duty is to operate a Comptometer to perform mathematical computations. This job is not to be confused with that of statistical or other type of clerk, which may involve frequent use of a Comptometer but, in which, use of this machine is incidental to performance of other duties.

#### DUPLICATING-MACHINE OPERATOR (MIMEOGRAPH OR DITTO)

Under general supervision and with no supervisory responsibilities, reproduces multiple copies of typewritten or handwritten matter, using a mimeograph or ditto machine. Makes necessary adjustment such as for ink and paper feed counter and cylinder speed. Is not required to prepare stencil or ditto master. May keep file of used stencils or ditto masters. May sort, collate, and staple completed material. Under general supervision and with no supervisory responsibilities, records accounting and statistical data on tabulating cards by punching a series of holes in the cards in a specified sequence, using an alphabetical or a numerical key-punch machine, following written information on records. May duplicate cards by using the duplicating device attached to machine. Keeps files of punch cards. May verify own work or work of others.

#### OFFICE BOY OR GIRL

Performs various routine duties such as running errands, operating minor office machines such as sealers or mailers, opening and distributing mail, and other minor clerical work.

#### SECRETARY

Performs secretarial and clerical duties for a superior in an administrative or executive position. Duties include making appointments for superior; receiving people coming into office; answering and making phone calls; handling personal and important or confidential mail, and writing routine correspondence on own initiative; taking dictation (where transcribing machine is not used) either in shorthand or by stenotype or similar machine, and transcribing dictation or the recorded information reproduced on a transcribing machine. May prepare special reports or memoranda for information of superior.

#### STENOGRAPHER, GENERAL

Primary duty is to take dictation from one or more persons, either in shorthand or by stenotype or similar machine, involving a normal routine vocabulary, and to transcribe this dictation on a typewriter. May also type from written copy. May also set up and keep files in order, keep simple records, etc. <u>Does not include tran-</u> scribing-machine work (see transcribing-machine operator).

#### STENOGRAPHER, TECHNICAL

Primary duty is to take dictation from one or more persons, either in shorthand or by stenotype or similar machine, involving a varied technical or specialized vocabulary such as in legal briefs or reports on scientific research and to transcribe this dictation on a typewriter. May also type from written copy. May also set up and keep files in order, keep simple records, etc. <u>Does not include</u> transcribing-machine work.

#### SWITCHBOARD OPERATOR

Operates a single- or multiple-position telephone switchboard. Duties involve handling incoming, outgoing, and intraplant or office calls. May record toll calls and take messages. May give information to persons who call in, or occasionally take telephone orders. For workers who also act as receptionists see switchboard operatorreceptionist.

#### SWITCHBOARD OPERATOR-RECEPTIONIST

In addition to performing duties of operator, on a single position or monitor-type switchboard, acts as receptionist and may also type or perform routine clerical work as part of regular duties. This typing or clerical work may take the major part of this worker's time while at switchboard.

#### TABULATING-MACHINE OPERATOR

Operates machine that automatically analyzes and translates information punched in groups of tabulating cards and prints translated data on forms or accounting records; sets or adjusts machine; does simple wiring of plugboards according to established practice or diagrams; places cards to be tabulated in feed magazine and starts machine. May file cards after they are tabulated. May, <u>in addition</u>, operate auxiliary machines.

#### TRANSCRIBING-MACHINE OPERATOR, GENERAL

Primary duty is to transcribe dictation involving a normal routine vocabulary from transcribing machine records. May also type from written copy and do simple clerical work. Workers transcribing dictation involving a varied technical or specialized vocabulary such as legal briefs or reports on scientific research are not

#### TRANSCRIBING-MACHINE OPERATOR, GENERAL - Continued

included. A worker who takes dictation in shorthand or by stenotype or similar machine is classified as a stenographer, general.

#### TYPIST

Uses a typewriter to make copies of various material or to make out bills after calculations have been made by another person. May do clerical work involving little special training, such as keeping simple records, filing records and reports, or sorting and distributing incoming mail.

<u>Class A</u> - Performs <u>one or more of the following</u>: Typing material in final form from very rough and involved draft; copying from plain or corrected copy in which there is a frequent and varied use of technical and unusual words or from foreignlanguage copy; combining material from several sources, or planning layout of complicated statistical tables to maintain uniformity and balance in spacing; typing tables from rough draft in final form. May type routine form letters, varying details to suit circumstances.

<u>Class B</u> - Performs <u>one or more of the following</u>: Typing from relatively clear or typed drafts; routine typing of forms, insurance policies, etc.; setting up simple standard tabulations, or copying more complex tables already set up and spaced properly.

#### Professional and Technical

#### DRAFTSMAN, JUNIOR

#### (Assistant draftsman)

Draws to scale units or parts of drawings prepared by draftsman or others for engineering, construction, or manufacturing purposes. Uses various types of drafting tools as required. May prepare drawings from simple plans or sketches, or perform other duties under direction of a draftsman.

#### DRAFTSMAN, LEADER

Plans and directs activities of one or more draftsmen in preparation of working plans and detail drawings from rough or preliminary sketches for engineering, construction, or manufacturing purposes. Duties involve <u>a combination of the following</u>: Interpreting blueprints, sketches, and written or verbal orders; determining work procedures; assigning duties to subordinates and inspecting their work; performing more difficult problems. May assist subordinates during

#### DRAFTSMAN, LEADER - Continued

emergencies or as a regular assignment, or perform related duties of a supervisory or administrative nature.

#### DRAFTSMAN, SENIOR

Prepares working plans and detail drawings from notes, rough or detailed sketches for engineering, construction, or manufacturing purposes. Duties involve a combination of the following: Preparing working plans, detail drawings, maps, cross-sections, etc., to scale by use of drafting instruments; making engineering computations such as those involved in strength of materials, beams and trusses; verifying completed work, checking dimensions, materials to be used, and quantities; writing specifications: making adjustments or changes in drawings or specifications. May ink in lines and letters on pencil drawings, prepare detail units of complete drawings, or trace drawings. Work is frequently in a specialized field such as architectural, electrical, mechanical, or structural drafting.

#### NURSE, INDUSTRIAL (REGISTERED)

A registered nurse who gives nursing service to ill or injured employees or other persons who become ill or suffer an accident on the premises of a factory or other establishment. Duties involve a combination of the following: Giving first aid to the ill or injured; attending to subsequent dressing of employees' injuries; keeping records of patients treated; preparing accident reports for compensation or other purposes; conducting physical examinations and health evaluations of applicants and employees; and planning and carrying out programs involving health education, accident prevention, evaluation of plant

#### NURSE, INDUSTRIAL (REGISTERED) - Continued

environment, or other activities affecting the health, welfare, and safety of all personnel.

#### TRACER

Copies plans and drawings prepared by others, by placing tracing cloth or paper over drawing and tracing with pen or pencil. Uses T-square, compass, and other drafting tools. May prepare simple drawings and do simple lettering.

#### Maintenance and Powerplant

#### CARPENTER, MAINTENANCE

Performs the carpentry duties necessary to construct and maintain in good repair building woodwork and equipment such as bins, cribs, counters, benches, partitions, doors, floors, stairs, casings, and trim made of wood in an establishment. Work involves <u>most of</u> <u>the following</u>: Planning and laying out of work from blueprints, drawings, models, or verbal instructions; using a variety of carpenter's handtools, portable power tools, and standard measuring instruments; making standard shop computations relating to dimensions of work; selecting materials necessary for the work. In general, the work of the maintenance carpenter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

#### ELECTRICIAN, MAINTENANCE

Performs a variety of electrical trade functions such as the installation, maintenance, or repair of equipment for the generating, distribution, or utilization of electric energy in an establishment. Work involves <u>most of the following</u>: Installing or repairing any of a variety of electrical equipment such as generators, transformers, switchboards, controllers, circuit breakers, motors, heating units, conduit systems, or other transmission equipment; working from blueprints, drawings, layout, or other specifications; locating and diagnosing trouble in the electrical system or equipment; working standard computations relating to load requirements of wiring or electrical equipment; using a variety of electrician's handtools and measuring and testing instruments. In general, the work of the maintenance electrician requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

#### ENGINEER, STATIONARY

Operates and maintains and may also supervise the operation of stationary engines and equipment (mechanical or electrical) to supply the establishment in which employed with power, heat, refrigeration, or air conditioning. Work involves: Operating and maintaining equipment such as steam engines, air compressors, generators, motors, turbines, ventilating and refrigerating equipment, steam boilers and boiler-fed water pumps; making equipment repairs; keeping a record of operation of machinery, temperature, and fuel consumption. May also supervise these operations. Head or chief engineers in establishments employing more than one engineer are excluded.

#### FIREMAN, STATIONARY BOILER

Fires stationary boilers to furnish the establishment in which employed with heat, power, or steam. Feeds fuels to fire by hand or operates a mechanical stoker, gas, or oil burner; checks water and safety valves. May clean, oil, or assist in repairing boilerroom equipment.

#### HELPER, TRADES, MAINTENANCE

Assists one or more workers in the skilled maintenance trades, by performing specific or general duties of lesser skill, such as keeping a worker supplied with materials and tools; cleaning working area, machine, and equipment; assisting worker by holding materials or tools; performing other unskilled tasks as directed by journeyman. The kind of work the helper is permitted to perform varies from trade to trade: In some trades the helper is confined to supplying, lifting, and holding materials and tools, and cleaning working areas; and in others he is permitted to perform specialized machine operations, or parts of a trade that are also performed by workers on a full-time basis.

#### MACHINE-TOOL OPERATOR, TOOLROOM

Specializes in the operation of one or more types of machine tools, such as jig borers, cylindrical or surface grinders, engine lathes, or milling machines in the construction of machine-shop tools, gauges, jigs, fixtures, or dies. Work involves most of the following: Planning and performing difficult machining operations; processing items requiring complicated setups or a high degree of accuracy; using a variety of precision measuring instruments; selecting feeds, speeds, tooling and operation sequence; making necessary adjustments during operation to achieve requisite tolerances or dimensions. May be required to recognize when tools need dressing, to dress tools, and to select proper coolants and cutting and lubricating oils. For cross-industry wage study purposes, machine-tool operators, toolroom, in tool and die jobbing shops are excluded from this classification.

#### MACHINIST, MAINTENANCE

Produces replacement parts and new parts in making repairs of metal parts of mechanical equipment operated in an establishment. Work involves most of the following: Interpreting written instructions and specifications; planning and laying out of work; using a variety of machinist's handtools and precision measuring instruments; setting up and operating standard machine tools; shaping of metal parts to close tolerances; making standard shop computations relating to dimensions of work, tooling, feeds and speeds of machining; knowledge of the working properties of the common metals; selecting standard materials, parts, and equipment required for his work; fitting and assembling parts into mechanical equipment. In general, the machinist's work normally requires a rounded training in machineshop practice usually acquired through a formal apprenticeship or equivalent training and experience.

#### MECHANIC, AUTOMOTIVE (MAINTENANCE)

Repairs automobiles, buses, motortrucks, and tractors of an establishment. Work involves <u>most of the following</u>: Examining automotive equipment to diagnose source of trouble; disassembling equipment and performing repairs that involve the use of such handtools as wrenches, gauges, drills, or specialized equipment in disassembling or fitting parts; replacing broken or defective parts from stock; grinding and adjusting valves; reassembling and installing the various assemblies in the vehicle and making necessary adjustments; alining wheels, adjusting brakes and lights, or tightening body bolts. In general, the work of the automotive mechanic requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

#### MECHANIC, MAINTENANCE

Repairs machinery or mechanical equipment of an establishment. Work involves <u>most of the following</u>: Examining machines and mechanical equipment to diagnose source of trouble; dismantling or partly dismantling machines and performing repairs that mainly involve the use of handtools in scraping and fitting parts; replacing broken or defective parts with items obtained from stock; ordering the production of a replacement part by a machine shop or sending of the machine to a machine shop for major repairs; preparing written specifications for major repairs or for the production of parts ordered from machine shop; reassembling machines; and making all necessary adjustments for operation. In general, the work of a maintenance mechanic requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience. Excluded from this classification are workers whose <u>primary duties</u> involve setting up or adjusting machines.

#### MILLWRIGHT

Installs new machines or heavy equipment and dismantles and installs machines or heavy equipment when changes in the plant layout are required. Work involves <u>most of the following</u>: Planning and laying out of the work; interpreting blueprints or other specifications; using a variety of handtools and rigging; making standard shop computations relating to stresses, strength of materials, and centers of gravity; alining and balancing of equipment; selecting standard tools, equipment, and parts to be used; installing and maintaining in good order power transmission equipment such as drives and speed reducers. In general, the millwright's work normally requires a rounded training and experience in the trade acquired through a formal apprenticeship or equivalent training and experience.

#### OILER

Lubricates, with oil or grease, the moving parts or wearing surfaces of mechanical equipment of an establishment.

#### PAINTER, MAINTENANCE

Paints and redecorates walls, woodwork, and fixtures of an establishment. Work involves the following: Knowledge of surface peculiarities and types of paint required for different applications; preparing surface for painting by removing old finish or by placing putty or filler in nail holes and interstices; applying paint with spray gun or brush. May mix colors, oils, white lead, and other paint ingredients to obtain proper color or consistency. In general, the work of the maintenance painter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

#### PIPEFITTER, MAINTENANCE

Installs or repairs water, steam, gas, or other types of pipe and pipefittings in an establishment. Work involves most of the following: Laying out of work and measuring to locate position of pipe from drawings or other written specifications; cutting various sizes of pipe to correct lengths with chisel and hammer or oxyacetylene torch or pipe-cutting machine; threading pipe with stocks and dies; bending pipe by hand-driven or power-driven machines; assembling pipe with couplings and fastening pipe to hangers; making standard shop computations relating to pressures, flow, and size of pipe required; making standard tests to determine whether finished pipes meet specifications. In general, the work of the maintenance pipefitter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience. Workers primarily engaged in installing and repairing building sanitation or heating systems are excluded.

#### PLUMBER, MAINTENANCE

Keeps the plumbing system of an establishment in good order. Work involves: Knowledge of sanitary codes regarding installation of vents and traps in plumbing system; installing or repairing pipes and fixtures; opening clogged drains with a plunger or plumber's snake. In general, the work of the maintenance plumber requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

#### SHEET-METAL WORKER, MAINTENANCE

Fabricates, installs, and maintains in good repair the sheetmetal equipment and fixtures (such as machine guards, grease pans, shelves, lockers, tanks, ventilators, chutes, ducts, metal roofing) of an establishment. Work involves most of the following: Planning

#### SHEET-METAL WORKER, MAINTENANCE - Continued

and laying out all types of sheet-metal maintenance work from blueprints, models, or other specifications; setting up and operating all available types of sheet-metal-working machines; using a variety of handtools in cutting, bending, forming, shaping, fitting, and assembling; installing sheet-metal articles as required. In general, the work of the maintenance sheet-metal worker requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

#### TOOL AND DIE MAKER

(Diemaker; jig maker; toolmaker; fixture maker; gauge maker)

Constructs and repairs machine-shop tools, gauges, jigs, fixtures or dies for forgings, punching and other metal-forming work. Work involves most of the following: Planning and laying out of work from models, blueprints, drawings, or other oral and written specifications; using a variety of tool and die maker's handtools and precision measuring instruments; understanding of the working properties of common metals and alloys; setting up and operating of machine tools and related equipment; making necessary shop computations relating to dimensions of work, speeds, feeds, and tooling of machines; heattreating of metal parts during fabrication as well as of finished tools and dies to achieve required qualities; working to close tolerances; fitting and assembling of parts to prescribed tolerances and allowances; selecting appropriate materials, tools, and processer. In general, the tool and die maker's work requires a rounded training in machine-shop and toolroom practice usually acquired through a formal apprenticeship or equivalent training and experience.

For cross-industry wage study purposes, tool and die makers in tool and die jobbing shops are excluded from this classification.

#### Custodial and Material Movement

#### ELEVATOR OPERATOR, PASSENGER

Transports passengers between floors of an office building, apartment house, department store, hotel or similar establishment. Workers who operate elevators in conjunction with other duties such as those of starters and janitors are excluded.

#### GUARD

Performs routine police duties, either at fixed post or on tour, maintaining order, using arms or force where necessary. Includes gatemen who are stationed at gate and check on identity of employees and other persons entering.

#### JANITOR, PORTER, OR CLEANER

(Sweeper; charwoman; janitress)

Cleans and keeps in an orderly condition factory working areas and washrooms, or premises of an office, apartment house, or commercial or other establishment. Duties involve a combination of the following: Sweeping, mopping or scrubbing, and polishing floors; removing chips, trash, and other refuse; dusting equipment, furniture, or fixtures; polishing metal fixtures or trimmings; providing supplies and minor maintenance services; cleaning lavatories, showers, and restrooms. Workers who specialize in window washing are excluded.

#### LABORER, MATERIAL HANDLING

(Loader and unloader; handler and stacker; shelver; trucker; stockman or stock helper; warehouseman or warehouse helper)

A worker employed in a warehouse, manufacturing plant, store, or other establishment whose duties involve <u>one or more of</u> the following: Loading and unloading various materials and merchandise on or from freight cars, trucks, or other transporting devices; unpacking, shelving, or placing materials or merchandise in proper storage location; transporting materials or merchandise by hand truck, car, or wheelbarrow. Longshoremen, who load and unload ships are excluded.

#### ORDER FILLER

(Order picker; stock selector; warehouse stockman)

Fills shipping or transfer orders for finished goods from stored merchandise in accordance with specifications on sales slips, customers' orders, or other instructions. May, in addition to filling orders and indicating items filled or omitted, keep records of outgoing orders, requisition additional stock, or report short supplies to supervisor, and perform other related duties.

#### PACKER, SHIPPING

Prepares finished products for shipment or storage by placing them in shipping containers, the specific operations performed being dependent upon the type, size, and number of units to be packed, the type of container employed, and method of shipment. Work requires the placing of items in shipping containers and <u>may involve one or</u> <u>more of the following</u>: Knowledge of various items of stock in order to verify content; selection of appropriate type and size of container; inserting enclosures in container; using excelsior or other material to prevent breakage or damage; closing and sealing container; applying labels or entering identifying data on container. <u>Packers who also</u> <u>make</u> wooden boxes or crates are excluded.

#### SHIPPING AND RECEIVING CLERK

Prepares merchandise for shipment, or receives and is responsible for incoming shipment of merchandise or other materials. <u>Shipping work involves</u>: A knowledge of shipping procedures, practices, routes, available means of transportation and rates; and preparing records of the goods shipped, making up bills of lading, posting weight and shipping charges, and keeping a file of shipping records. May direct or assist in preparing the merchandise for shipment. <u>Receiving work involves</u>: Verifying or directing others in verifying the correctness of shipments against bills of lading, invoices, or

#### SHIPPING AND RECEIVING CLERK - Continued

other records; checking for shortages and rejecting damaged goods; routing merchandise or materials to proper departments; maintaining necessary records and files.

For wage study purposes, workers are classified as follows:

Receiving clerk Shipping clerk Shipping and receiving clerk

#### TRUCKDRIVER

Drives a truck within a city or industrial area to transport materials, merchandise, equipment, or men between various types of establishments such as: Manufacturing plants, freight depots, warehouses, wholesale and retail establishments, or between retail establishments and customers' houses or places of business. May also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good working order. <u>Driver-salesmen and</u> over-the-road drivers are excluded.

For wage study purposes, truckdrivers are classified by size and type of equipment, as follows: (Tractor-trailer should be rated on the basis of trailer capacity.)

Truckdriver (combination of sizes listed separately)
Truckdriver, light (under $1\frac{1}{2}$ tons)
Truckdriver, medium $(1\frac{1}{2}$ to and including 4 tons)
Truckdriver, heavy (over 4 tons, trailer type)
Truckdriver, heavy (over 4 tons, other than trailer type)

#### TRUCKER, POWER

Operates a manually controlled gasoline- or electric-powered truck or tractor to transport goods and materials of all kinds about a warehouse, manufacturing plant, or other establishment.

For wage study purposes, workers are classified by type of truck, as follows:

Trucker, power (forklift) Trucker, power (other than forklift)

#### WATCHMAN

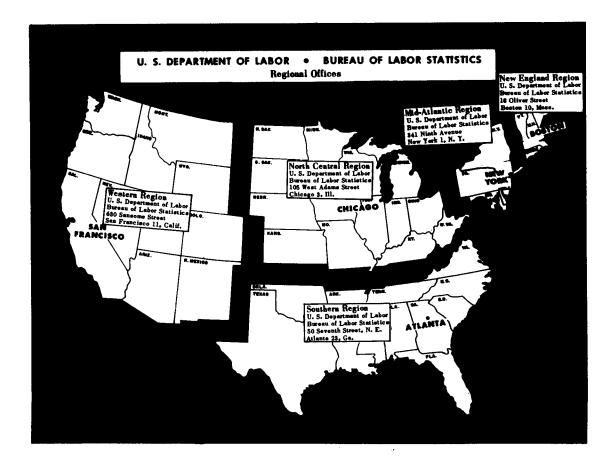
Makes rounds of premises periodically in protecting property against fire, theft, and illegal entry.

## **Occupational Wage Surveys**

Occupational wage surveys are being conducted in 17 major labor markets during late 1957 and early 1958. Bulletins, when available, may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., or from any of the regional sales offices shown.

A bulletin for the area listed below is now available.

Seattle, Wash., August 1957 - BLS Bull. 1224-1, price 20 cents



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