

Occupational Wage Survey

DETROIT, MICHIGAN
OCTOBER 1955

BLS Bulletin No. 1188-2

UNITED STATES DEPARTMENT OF LABOR
James P. Mitchell, Secretary

BUREAU OF LABOR STATISTICS
Ewan Clague, Commissioner

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* NOTE: Similar tabulations for most of these items are available in the Detroit area reports for December 1951 and October 1953. The 1953 report also provides tabulations of wage structure characteristics, labor-management agreements, and overtime pay provisions. 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 Detroit area are also available for machinery industries (November 1955), industrial chemicals (August 1955), power laundries and dry cleaners (June 1955), office building service (June 1955), and contract cleaning service (June 1955). Union scales, indicative of prevailing pay levels, are available for the following trades or industries: Building construction, printing, local transit operating employees, and motortruck drivers.

Occupational Wage Survey - Detroit, Mich. *

Introduction

The Detroit area is one of several important industrial centers in which the 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.¹ 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, and to insure prompt publication of results. 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,² 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 types of occupations: (a) Office clerical; (b) professional and technical; (c) maintenance and powerplant; and (d) custodial and material movement.

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-of-living 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.

* This report was prepared in the Bureau's regional office in Chicago, Ill., by Woodrow C. Linn, under the direction of George E. Votava, Regional Wage and Industrial Relations Analyst.

¹ See table 1 for minimum-size establishment covered.

² The tabulation of minimum entrance rates for women office workers relates only to provisions in establishments studied.

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,³ 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.

Minimum entrance rates (table B-2) relate only to the establishments visited. They are presented on an establishment, rather than on an employment basis. Scheduled hours; 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 workers if a majority of such workers are eligible or may eventually qualify for the practices listed.⁴ Because of rounding, sums of individual items in these tabulations do not necessarily equal totals.

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

³ 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.

⁴ Scheduled weekly hours for office workers (first section of table B-3) are presented in terms of the proportion of women office workers employed in offices with the indicated weekly hours for women workers.

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 by years of service, 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 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,⁵ 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 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 benefit.

Catastrophe insurance, sometimes referred to as extended 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.

⁵ The temporary disability laws in California and Rhode Island do not require employer contributions.

TABLE 1: Establishments and workers within scope of survey and number studied in Detroit, Mich.,¹ by major industry division, October 1955

Industry division	Minimum size establishment in scope of study ²	Number of establishments		Workers in establishments			
		Within scope of study	Studied	Within scope of study			Studied
				Total ³	Office	Plant	
All divisions -----	-	1,242	254	797,700	120,200	567,800	577,870
Manufacturing -----	101	485	87	598,700	75,400	456,500	467,480
Nonmanufacturing -----	-	757	167	199,000	44,800	111,300	110,390
Transportation (excluding railroads), communication, and other public utilities ⁴ -----	101	67	26	46,100	10,300	22,600	37,190
Wholesale trade -----	51	190	33	25,800	6,200	10,600	8,180
Retail trade ⁵ -----	101	160	33	68,900	(⁶)	(⁶)	38,690
Finance, insurance, and real estate -----	51	139	35	28,000	17,500	⁷ 3,500	16,580
Services ⁸ -----	51	201	40	30,200	4,800	18,300	9,750

¹ The Detroit Metropolitan Area (Wayne, Oakland, and Macomb Counties). 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 the 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.

² 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.

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

⁴ Also excludes taxicabs, and services incidental to water transportation. Detroit's transit system is municipally operated and, therefore, excluded by definition from the scope of the studies.

⁵ Excludes data for two large department stores.

⁶ This industry division is represented in estimates for "all industries" and "nonmanufacturing" in the Series A and B tables, although coverage was insufficient to justify separate presentation of data.

⁷ Estimate relates to real estate establishments only.

⁸ Hotels; personal services; business services; automobile repair shops; radio broadcasting and television; motion pictures; nonprofit membership organizations; and engineering and architectural services.

Wage Trends for Selected Occupational Groups

The table below presents percents of change in salaries of women office clerical workers, and in average earnings of selected plant worker groups.

For office clerical workers, the percents of change 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 week-ends, holidays, and late shifts. The percentages are based on data for selected key occupations and include most of the numerically important jobs within each group. Eighteen jobs were included in the office clerical data; 10 skilled maintenance jobs and 3 unskilled jobs were included in the plant worker data. See footnotes to table below.

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 October 1953 and October 1955 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 other years was computed and the difference between the result and 100 is the percent of change from one period to another.

The percent of change measures, 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) labor turnover or force expansion or reduction. A force expansion might increase the proportion of lower paid workers in a specific occupation and result in a drop in the occupational average without any change in rates, whereas a reduction in the proportion of lower paid workers would have the opposite effect. The average earnings are also affected by shifts in the proportion of workers employed by establishments with different pay levels. For example, the movement of a high paying establishment out of an area could cause the averages 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 percents of change 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 1952 to 1955 for workers in 17 other major labor markets appeared in BLS Bull. 1172, Wages and Related Benefits, 17 Labor Markets, 1954-55.

TABLE 2: Percent changes in standard weekly salaries for office clerical¹ and average straight-time hourly earnings for selected plant occupational groups² in Detroit, Mich., for selected periods

Industry and occupational group	Percent increases from—		
	October 1953 to October 1955	December 1951 to October 1953	December 1951 to October 1955
All industries:			
Office clerical (women)	7.5	11.8	20.2
Skilled maintenance (men)	8.3	11.0	20.2
Unskilled plant (men)	6.2	10.0	16.8
Manufacturing:			
Office clerical (women)	7.1	12.0	19.9
Skilled maintenance (men)	8.1	11.1	20.1
Unskilled plant (men)	6.4	8.0	14.9

¹ Based on data for the following jobs:

Office clerical (women):

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
Typists, class A and B

² Based on data for the following jobs:

Skilled maintenance (men):

Carpenters
Electricians
Machinists
Mechanics
Mechanics, automotive
Millwrights
Painters
Pipefitters
Sheet-metal workers
Tool and die makers

Unskilled plant (men):

Janitors, porters, and cleaners
Laborers, material handling
Watchmen

A: Occupational Earnings

Table A-1: Office Occupations

(Average straight-time weekly hours and earnings¹ for selected occupations studied on an area basis in Detroit, Mich., by industry division, October 1955)

Sex, occupation, and industry division	Number of workers	AVERAGE		NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS OF--																							
		Weekly hours (Standard)	Weekly earnings (Standard)	Under \$40.00	\$40.00 and under 45.00	\$45.00	\$50.00	\$55.00	\$60.00	\$65.00	\$70.00	\$75.00	\$80.00	\$85.00	\$90.00	\$95.00	\$100.00	\$105.00	\$110.00	\$115.00	\$120.00	\$125.00	\$130.00	\$135.00	\$140.00 and over		
Men																											
Clerks, accounting, class A	1,605	40.0	95.50	-	-	-	-	-	8	10	22	33	207	203	407	210	156	223	40	19	20	12	6	12	17		
Manufacturing	1,309	40.0	95.50	-	-	-	-	-	-	1	16	14	142	186	372	182	133	186	28	9	14	11	3	5	7		
Nonmanufacturing	296	39.0	95.00	-	-	-	-	-	8	9	6	19	65	17	35	28	23	37	12	10	6	1	3	7	10		
Public utilities *	99	40.0	95.50	-	-	-	-	-	-	3	1	13	23	1	10	3	16	11	5	7	3	-	-	-	3		
Clerks, accounting, class B	328	40.0	76.00	-	1	8	2	2	29	69	41	58	53	19	20	23	1	1	-	1	-	-	-	-	-		
Manufacturing	171	40.0	82.00	-	-	-	-	-	1	19	18	28	45	18	18	21	1	1	-	1	-	-	-	-	-		
Nonmanufacturing	157	39.5	69.00	-	1	8	2	2	28	50	23	30	8	1	2	2	-	-	-	-	-	-	-	-	-		
Public utilities *	61	40.0	71.00	-	-	-	1	-	9	14	13	24	-	-	-	-	-	-	-	-	-	-	-	-	-		
Clerks, order	661	40.0	91.00	-	-	-	17	16	20	57	46	41	44	55	79	72	76	20	15	27	36	33	4	1	2		
Manufacturing	244	39.5	97.00	-	-	-	11	3	10	26	18	-	-	18	22	9	31	2	12	18	34	26	1	1	2		
Nonmanufacturing	417	40.5	87.50	-	-	-	6	13	10	31	28	41	44	37	57	63	45	18	3	9	2	7	3	7	10		
Wholesale trade	327	40.0	85.50	-	-	-	6	13	10	31	28	37	40	29	35	39	22	16	3	9	2	7	-	-	-		
Clerks, payroll	295	40.0	87.00	-	-	12	-	4	16	12	7	10	67	28	55	20	11	49	4	-	-	-	-	-	-		
Manufacturing	234	40.0	91.00	-	-	-	-	4	4	3	5	9	52	28	54	17	11	46	1	-	-	-	-	-	-		
Office boys	537	39.5	50.00	21	110	133	119	99	43	7	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-		
Manufacturing	256	39.5	52.50	6	21	49	73	81	22	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Nonmanufacturing	281	39.0	48.00	15	89	84	46	18	21	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Public utilities *	76	39.0	52.50	-	-	36	23	9	1	3	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finance **	69	39.5	43.50	4	45	14	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Tabulating-machine operators	560	40.0	83.00	-	-	2	2	3	16	43	43	48	177	116	54	24	11	13	-	-	6	-	-	2	-		
Manufacturing	358	40.0	84.50	-	-	-	-	1	5	29	24	25	117	72	44	21	8	7	-	-	3	-	-	2	-		
Nonmanufacturing	202	40.0	81.00	-	-	2	2	2	11	14	19	23	60	44	10	3	3	6	-	-	3	-	-	-	-		
Women																											
Billers, machine (billing machine)	677	39.5	63.50	-	6	46	58	133	125	99	78	125	2	5	-	-	-	-	-	-	-	-	-	-	-		
Manufacturing	355	40.0	67.00	-	-	23	24	38	36	79	35	115	-	5	-	-	-	-	-	-	-	-	-	-	-		
Nonmanufacturing	322	39.0	60.00	-	6	23	34	95	89	20	43	10	2	-	-	-	-	-	-	-	-	-	-	-	-		
Bookkeeping-machine operators, class A	574	39.5	73.00	-	-	-	11	28	77	155	115	58	48	12	40	16	14	-	-	-	-	-	-	-	-		
Manufacturing	265	40.0	74.50	-	-	-	1	2	10	92	51	49	30	12	15	2	1	-	-	-	-	-	-	-	-		
Nonmanufacturing	309	39.5	71.50	-	-	-	10	26	67	63	64	9	18	-	25	14	13	-	-	-	-	-	-	-	-		
Finance **	138	39.5	66.00	-	-	-	2	11	45	50	24	2	4	-	-	-	-	-	-	-	-	-	-	-	-		
Bookkeeping-machine operators, class B	1,976	39.5	58.50	-	65	395	378	341	342	148	119	119	54	11	4	-	-	-	-	-	-	-	-	-	-		
Manufacturing	438	40.0	67.50	-	-	9	59	42	51	69	79	76	38	11	4	-	-	-	-	-	-	-	-	-	-		
Nonmanufacturing	1,538	39.5	56.00	-	65	386	319	299	291	79	40	43	16	-	-	-	-	-	-	-	-	-	-	-	-		
Wholesale trade	132	39.5	68.00	-	-	-	7	20	21	19	28	23	14	-	-	-	-	-	-	-	-	-	-	-	-		
Finance **	1,120	39.5	54.00	-	49	343	268	218	199	40	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Clerks, accounting, class A	1,023	40.0	78.00	-	-	15	21	43	93	84	104	192	139	142	112	47	13	3	12	-	3	-	-	-	-		
Manufacturing	379	40.0	85.00	-	-	-	-	-	2	27	23	72	79	53	61	44	9	3	3	-	3	-	-	-	-		
Nonmanufacturing	644	39.5	74.00	-	-	15	21	43	91	57	81	120	60	89	51	3	4	-	9	-	-	-	-	-	-		
Public utilities *	50	40.0	81.50	-	-	-	-	-	-	-	11	7	17	6	6	3	-	-	-	-	-	-	-	-	-		
Finance **	155	38.5	69.00	-	-	-	6	14	46	21	38	7	4	8	11	-	-	-	-	-	-	-	-	-	-		
Services	140	39.0	76.00	-	-	-	5	15	27	1	13	33	2	11	24	-	-	-	9	-	-	-	-	-	-		

See footnote at end of table.

* Transportation (excluding railroads), communication, and other public utilities.

** Finance, insurance, and real estate.

Occupational Wage Survey, Detroit, Mich., October 1955
U.S. DEPARTMENT OF LABOR
Bureau of Labor Statistics

Table A-1: Office Occupations - Continued

(Average straight-time weekly hours and earnings¹ for selected occupations studied on an area basis in Detroit, Mich., by industry division, October 1955)

Sex, occupation, and industry division	Number of workers	AVERAGE		NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS OF—																						
		Weekly hours (Standard)	Weekly earnings (Standard)	Under \$40.00	\$40.00 and under 45.00	\$45.00	\$50.00	\$55.00	\$60.00	\$65.00	\$70.00	\$75.00	\$80.00	\$85.00	\$90.00	\$95.00	\$100.00	\$105.00	\$110.00	\$115.00	\$120.00	\$125.00	\$130.00	\$135.00	\$140.00 and over	
Women - Continued																										
Clerks, accounting, class B	2,912	39.5	\$60.50	19	193	329	433	414	462	378	254	255	127	38	10	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	818	39.5	68.50	-	2	20	61	61	105	209	128	114	72	36	10	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	2,094	39.5	57.50	19	191	309	372	353	357	169	126	141	55	2	-	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	515	39.5	64.00	3	5	20	79	75	89	61	87	82	14	-	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale trade	239	40.0	64.00	-	-	8	44	42	46	27	11	43	16	2	-	-	-	-	-	-	-	-	-	-	-	-
Retail trade ²	602	40.0	52.50	16	124	132	72	77	92	63	6	11	9	-	-	-	-	-	-	-	-	-	-	-	-	-
Finance**	562	39.0	53.50	-	37	145	134	141	87	5	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Services	176	39.5	58.00	-	25	4	43	18	43	13	12	2	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Clerks, file, class A	953	39.5	65.50	-	-	23	51	91	132	435	149	47	17	6	2	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	272	38.5	61.00	-	-	19	45	60	64	39	30	10	3	-	2	-	-	-	-	-	-	-	-	-	-	-
Finance**	179	38.5	60.50	-	-	17	26	43	38	30	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clerks, file, class B	1,940	39.0	48.50	156	488	520	433	184	87	19	52	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	390	40.0	53.50	-	33	76	163	56	50	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	1,550	39.0	47.50	156	455	444	270	128	37	10	49	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	206	38.5	44.00	75	35	34	54	2	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale trade	166	39.5	53.00	-	20	28	43	63	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Retail trade ²	225	40.0	45.00	52	41	71	48	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finance**	678	39.0	47.50	29	206	252	116	46	22	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Services	275	38.0	48.50	-	153	59	9	4	1	1	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clerks, order	394	39.0	63.00	1	18	39	72	53	38	57	24	30	30	24	3	-	2	3	-	-	-	-	-	-	-	-
Manufacturing	119	39.0	72.00	-	-	-	5	20	7	23	16	10	27	3	3	-	2	3	-	-	-	-	-	-	-	-
Nonmanufacturing	275	39.0	59.50	1	18	39	67	33	31	34	8	20	3	21	-	-	-	-	-	-	-	-	-	-	-	-
Retail trade ²	133	39.5	51.50	1	18	34	37	27	9	1	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clerks, payroll	1,420	39.5	70.50	1	16	73	85	102	191	242	193	159	137	127	57	6	31	-	-	-	-	-	-	-	-	-
Manufacturing	886	40.0	73.50	-	3	28	34	29	112	148	124	118	118	110	47	5	10	-	-	-	-	-	-	-	-	-
Nonmanufacturing	534	39.5	65.50	1	13	45	51	73	79	94	69	41	19	17	10	1	21	-	-	-	-	-	-	-	-	-
Public utilities *	123	39.0	63.00	-	-	9	11	36	19	12	20	9	2	4	1	-	-	-	-	-	-	-	-	-	-	-
Services	149	39.0	63.50	-	-	20	22	10	14	34	30	13	-	6	-	-	-	-	-	-	-	-	-	-	-	-
Comptometer operators	2,305	40.0	67.00	5	14	84	141	284	437	427	367	389	110	38	8	1	-	-	-	-	-	-	-	-	-	-
Manufacturing	1,410	40.0	70.50	-	-	10	36	133	190	287	305	322	82	36	8	1	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	895	39.5	61.50	5	14	74	105	151	247	140	62	67	28	2	-	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	67	39.0	59.00	-	5	10	4	13	15	9	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale trade	133	40.0	64.50	-	-	-	1	45	40	12	21	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-
Retail trade ²	417	40.0	62.50	5	7	49	45	55	36	110	31	64	14	1	-	-	-	-	-	-	-	-	-	-	-	-
Finance**	89	39.5	57.50	-	2	7	20	26	28	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Duplicating-machine operators (mimeograph or ditto)	260	39.5	58.50	3	12	37	57	34	50	20	21	25	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	137	40.0	60.50	-	-	17	11	25	46	18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	123	38.5	56.00	3	12	20	46	9	4	2	1	25	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Key-punch operators	1,330	40.0	64.50	6	32	55	92	207	217	266	295	131	24	5	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	762	40.0	68.50	-	-	12	17	72	85	165	271	115	21	4	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	568	39.5	59.00	6	32	43	75	135	132	101	24	16	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Public utilities	114	39.0	61.50	6	-	-	18	14	39	18	7	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Finance**	169	40.0	57.50	-	6	29	29	36	39	16	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes 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 earnings¹ for selected occupations studied on an area basis in Detroit, Mich., by industry division, October 1955)

Sex, occupation, and industry division	Number of workers	AVERAGE		NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS OF—																						
		Weekly hours (Standard)	Weekly earnings (Standard)	Under \$40.00	\$40.00 and under \$45.00	\$45.00	\$50.00	\$55.00	\$60.00	\$65.00	\$70.00	\$75.00	\$80.00	\$85.00	\$90.00	\$95.00	\$100.00	\$105.00	\$110.00	\$115.00	\$120.00	\$125.00	\$130.00	\$135.00	\$140.00 and over	
Women - Continued																										
Office girls	397	39.5	\$49.50	24	95	122	62	58	19	13	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	168	40.0	52.50	16	24	17	36	49	18	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	229	39.0	47.50	8	71	105	26	9	1	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	33	39.0	54.00	3	3	11	3	3	1	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finance **	112	39.0	46.50	3	37	64	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secretaries	4,071	39.5	81.00	-	6	20	24	107	241	294	403	969	673	382	339	256	209	77	20	27	2	7	4	6	5	
Manufacturing	2,579	40.0	85.00	-	-	-	2	10	28	119	195	727	475	240	283	228	155	60	15	22	-	7	4	4	5	
Nonmanufacturing	1,492	39.0	75.00	-	6	20	22	97	213	175	208	242	198	142	56	28	54	17	5	5	2	-	-	2	-	
Public utilities *	120	39.5	89.50	-	-	-	-	-	4	8	11	14	11	18	6	8	20	15	-	3	1	-	-	1	-	
Wholesale trade	345	40.0	77.00	-	-	-	7	10	39	97	89	34	38	17	9	4	-	-	-	1	-	-	-	-	-	
Retail trade ²	232	39.5	74.50	-	-	-	1	15	46	63	31	34	21	7	4	15	-	-	2	-	1	-	-	1	-	
Finance **	450	39.0	72.00	-	6	18	12	43	75	30	47	46	75	39	12	5	9	2	-	1	-	-	-	-	-	
Services	345	38.0	72.50	-	-	2	2	39	78	35	22	59	57	26	14	2	6	-	3	-	-	-	-	-	-	
Stenographers, general	6,418	39.5	69.50	-	7	62	291	710	966	1001	1536	895	493	250	130	76	1	-	-	-	-	-	-	-	-	-
Manufacturing	4,569	40.0	72.00	-	-	3	76	432	491	746	1306	648	431	231	128	76	1	-	-	-	-	-	-	-	-	-
Nonmanufacturing	1,849	39.0	64.50	-	7	59	215	278	475	255	230	247	62	19	2	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	299	39.5	68.00	-	-	5	24	43	49	25	52	78	20	3	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale trade	492	40.0	65.00	-	-	13	31	84	120	100	107	25	8	4	-	-	-	-	-	-	-	-	-	-	-	-
Retail trade ²	181	40.0	61.00	-	3	6	27	47	43	27	7	12	2	7	-	-	-	-	-	-	-	-	-	-	-	-
Finance **	476	39.0	63.50	-	4	30	64	65	108	87	48	40	25	3	2	-	-	-	-	-	-	-	-	-	-	-
Services	401	37.5	63.50	-	-	5	69	39	155	16	16	92	7	2	-	-	-	-	-	-	-	-	-	-	-	-
Stenographers, technical	182	40.0	81.00	-	-	-	1	5	3	10	11	31	76	28	17	-	-	-	-	-	-	-	-	-	-	-
Switchboard operators	989	40.5	63.00	16	25	134	78	91	137	206	161	113	20	5	3	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	430	40.0	70.50	-	-	-	1	30	41	140	125	73	15	2	3	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	559	41.5	57.50	16	25	134	77	61	96	66	36	40	5	3	-	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	44	40.0	69.50	-	-	-	1	4	6	13	6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Retail trade ²	121	40.5	60.50	-	11	17	14	22	15	16	-	24	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Finance **	97	40.5	58.00	6	12	11	5	14	26	6	14	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Services	215	43.0	50.00	10	2	106	51	21	23	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Switchboard operator-receptionists	879	39.5	62.50	-	5	56	125	135	220	151	101	27	31	25	3	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	431	39.5	65.00	-	-	16	63	58	95	49	73	25	25	25	2	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	448	39.0	60.00	-	5	40	62	77	125	102	28	2	6	-	1	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	51	39.5	58.00	-	5	-	11	17	9	3	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale trade	150	39.5	62.00	-	-	3	7	37	38	60	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Retail trade ²	80	39.0	57.50	-	-	22	16	3	16	18	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Services	70	38.5	63.00	-	-	5	2	10	26	8	17	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Tabulating-machine operators	272	40.0	68.50	-	11	17	16	23	35	28	37	37	44	18	5	1	-	-	-	-	-	-	-	-	-	-
Manufacturing	100	40.0	78.50	-	-	-	-	-	3	9	16	22	32	14	3	1	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	172	39.5	63.00	-	11	17	16	23	32	19	21	15	12	4	2	-	-	-	-	-	-	-	-	-	-	-
Transcribing-machine operators, general	568	39.5	63.50	3	1	68	91	71	117	68	63	32	20	-	18	16	-	-	-	-	-	-	-	-	-	-
Manufacturing	176	39.5	66.00	-	-	10	14	18	29	48	31	24	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	392	39.5	62.50	3	1	58	77	53	88	20	32	8	18	-	18	16	-	-	-	-	-	-	-	-	-	-
Typists, class A	3,652	40.0	67.00	-	3	35	137	294	425	1730	633	330	38	19	5	-	-	-	-	-	3	-	-	-	-	-
Manufacturing	2,838	40.0	68.00	-	-	-	19	118	262	1649	557	200	30	-	-	-	-	-	-	-	3	-	-	-	-	-
Nonmanufacturing	814	40.0	63.50	-	3	35	118	176	163	81	76	130	8	19	5	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	147	39.5	71.50	-	-	-	-	16	15	23	30	58	2	-	3	-	-	-	-	-	-	-	-	-	-	-

See footnotes 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 earnings¹ for selected occupations studied on an area basis in Detroit, Mich., by industry division, October 1955)

Sex, occupation, and industry division	Number of workers	AVERAGE		NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS OF—																							
		Weekly hours (Standard)	Weekly earnings (Standard)	Under \$40.00	\$40.00 and under 45.00	\$45.00 and under 50.00	\$50.00 and under 55.00	\$55.00 and under 60.00	\$60.00 and under 65.00	\$65.00 and under 70.00	\$70.00 and under 75.00	\$75.00 and under 80.00	\$80.00 and under 85.00	\$85.00 and under 90.00	\$90.00 and under 95.00	\$95.00 and under 100.00	\$100.00 and under 105.00	\$105.00 and under 110.00	\$110.00 and under 115.00	\$115.00 and under 120.00	\$120.00 and under 125.00	\$125.00 and under 130.00	\$130.00 and under 135.00	\$135.00 and under 140.00	\$140.00 and over		
Women - Continued																											
Typists, class B	4,535	39.5	\$53.50	66	378	1105	1088	854	615	256	134	25	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	1,973	39.5	57.00	3	65	283	401	495	442	168	91	11	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing	2,562	39.0	51.00	63	313	822	687	359	173	88	43	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public utilities *	384	39.0	56.50	-	13	36	125	88	46	53	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale trade	379	39.5	55.50	-	25	63	89	108	37	30	13	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Retail trade ²	264	40.0	48.50	23	24	111	62	33	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finance**	1,151	39.5	49.00	36	187	538	235	84	69	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ Hours reflect the workweek for which employees receive their regular straight-time salaries and the earnings correspond to these weekly hours.² Excludes data for 2 large department stores.

* Transportation (excluding railroads), communication, and other public utilities.

** Finance, insurance, and real estate.

Table A-2: Professional and Technical Occupations

(Average straight-time weekly hours and earnings¹ for selected occupations studied on an area basis in Detroit, Mich., by industry division, October 1955)

Sex, occupation, and industry division	Number of workers	AVERAGE		NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS OF—																								
		Weekly hours (Standard)	Weekly earnings (Standard)	Under \$60.00	\$60.00 and under 65.00	\$65.00 and under 70.00	\$70.00 and under 75.00	\$75.00 and under 80.00	\$80.00 and under 85.00	\$85.00 and under 90.00	\$90.00 and under 95.00	\$95.00 and under 100.00	\$100.00 and under 105.00	\$105.00 and under 110.00	\$110.00 and under 115.00	\$115.00 and under 120.00	\$120.00 and under 125.00	\$125.00 and under 130.00	\$130.00 and under 135.00	\$135.00 and under 140.00	\$140.00 and under 145.00	\$145.00 and under 150.00	\$150.00 and under 155.00	\$155.00 and under 160.00	\$160.00 and over			
Men																												
Draftsmen, senior	2,230	40.0	\$120.50	-	-	-	-	-	74	20	116	91	197	208	171	238	204	207	230	92	118	57	90	17	2100	-	-	-
Manufacturing	1,669	40.0	117.50	-	-	-	-	-	73	8	105	81	161	194	128	201	125	155	131	85	87	53	50	9	23	-	-	-
Draftsmen, junior	1,213	40.0	90.00	5	33	20	66	135	181	178	190	104	114	47	71	40	29	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	855	40.0	88.00	5	32	12	43	108	142	147	160	87	48	18	23	28	2	-	-	-	-	-	-	-	-	-	-	-
Tracers	436	40.0	71.50	³ 64	30	85	81	68	66	29	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	371	40.0	72.50	⁴ 46	15	79	62	65	63	28	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Women																												
Nurses, industrial (registered)	521	40.0	81.50	2	1	11	62	169	130	74	53	5	1	4	1	3	3	-	1	1	-	-	-	-	-	-	-	-
Manufacturing	482	40.0	82.00	-	-	4	59	163	121	68	51	5	1	1	1	3	3	-	1	1	-	-	-	-	-	-	-	-

¹ Hours reflect the workweek for which employees receive their regular straight-time salaries and the earnings correspond to these weekly hours.² Workers were distributed as follows: 47 at \$160 to \$170; 18 at \$170 to \$180; and 35 at \$180 and over.³ Workers were distributed as follows: 14 at \$45 to \$50; 26 at \$50 to \$55; and 24 at \$55 to \$60.⁴ Workers were distributed as follows: 14 at \$45 to \$50; 13 at \$50 to \$55; and 19 at \$55 to \$60.Occupational Wage Survey, Detroit, Mich., October 1955
U.S. DEPARTMENT OF LABOR
Bureau of Labor Statistics

Table A-3: Maintenance and Powerplant Occupations

(Average hourly earnings¹ for men in selected occupations studied on an area basis in Detroit, Mich., by industry division, October 1955)

Occupation and industry division	Number of workers	Average hourly earnings	NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS OF—																	
			Under \$ 1.60	\$ 1.60 and under 1.70	\$ 1.70 - 1.80	\$ 1.80 - 1.90	\$ 1.90 - 2.00	\$ 2.00 - 2.10	\$ 2.10 - 2.20	\$ 2.20 - 2.30	\$ 2.30 - 2.40	\$ 2.40 - 2.50	\$ 2.50 - 2.60	\$ 2.60 - 2.70	\$ 2.70 - 2.80	\$ 2.80 - 2.90	\$ 2.90 - 3.00	\$ 3.00 - 3.10	\$ 3.10 - 3.20	\$ 3.20 and over
Carpenters, maintenance	1,364	2.51	-	-	-	1	42	41	29	51	142	292	597	17	5	11	12	3	121	-
Manufacturing	1,020	2.50	-	-	-	-	-	5	22	29	117	229	586	12	-	8	-	-	12	-
Nonmanufacturing	344	2.55	-	-	-	1	42	36	7	22	25	63	11	5	3	12	3	109	-	
Electricians, maintenance	4,412	2.60	-	1	-	1	13	20	-	27	262	497	880	2358	221	24	20	-	-	88
Manufacturing	4,100	2.60	-	-	-	-	13	-	-	5	214	484	873	2332	67	24	18	-	-	70
Nonmanufacturing	312	2.62	-	1	-	1	-	20	-	22	48	13	7	26	154	-	2	-	-	18
Engineers, stationary	666	2.57	-	-	7	-	17	34	8	64	56	89	87	105	75	11	18	17	57	21
Manufacturing	445	2.66	-	-	-	-	-	-	-	40	21	65	76	89	60	7	2	17	53	15
Nonmanufacturing	221	2.39	-	-	7	-	17	34	8	24	35	24	11	16	15	4	16	-	4	6
Firemen, stationary boiler	745	2.14	35	21	43	70	48	88	92	85	102	43	118	-	-	-	-	-	-	-
Manufacturing	570	2.21	10	16	19	36	16	81	89	75	74	43	111	-	-	-	-	-	-	-
Nonmanufacturing	175	1.91	25	5	24	34	32	7	3	10	28	-	7	-	-	-	-	-	-	-
Helpers, trades, maintenance	1,336	2.10	12	5	45	102	547	77	85	38	289	136	-	-	-	-	-	-	-	-
Manufacturing	1,188	2.12	-	-	21	91	527	38	54	38	289	130	-	-	-	-	-	-	-	-
Nonmanufacturing	148	1.93	12	5	24	11	20	39	31	-	-	6	-	-	-	-	-	-	-	-
Machine-tool operators, toolroom	3,466	2.62	-	-	-	-	-	-	30	3	21	348	638	1883	377	143	23	-	-	-
Manufacturing	3,463	2.62	-	-	-	-	-	-	30	1	20	348	638	1883	377	143	23	-	-	-
Machinists, maintenance	633	2.64	-	-	-	-	6	-	-	12	72	50	130	223	51	16	-	19	54	-
Manufacturing	613	2.65	-	-	-	-	6	-	-	8	68	47	122	222	51	16	-	19	54	-
Mechanics, automotive (maintenance)	1,313	2.39	-	-	-	8	20	29	19	159	381	342	278	70	3	4	-	-	-	-
Manufacturing	434	2.41	-	-	-	1	13	24	3	35	110	52	160	33	3	-	-	-	-	-
Nonmanufacturing	879	2.37	-	-	-	7	7	5	16	124	271	290	118	37	-	4	-	-	-	-
Public utilities*	620	2.39	-	-	-	-	-	1	2	110	141	239	87	36	-	4	-	-	-	-
Wholesale trade	141	2.32	-	-	-	7	7	2	14	-	41	42	28	-	-	-	-	-	-	-
Mechanics, maintenance	4,528	2.59	-	-	-	-	40	1	7	95	345	440	802	2298	410	15	-	56	15	4
Manufacturing	4,280	2.59	-	-	-	-	30	-	1	85	295	420	785	2238	336	15	-	56	15	4
Nonmanufacturing	248	2.54	-	-	-	-	10	1	6	10	50	20	17	60	74	-	-	-	-	-
Millwrights	3,922	2.54	-	-	-	-	7	-	35	23	180	661	1681	1335	-	-	-	-	-	-
Manufacturing	3,921	2.54	-	-	-	-	7	-	35	22	180	661	1681	1335	-	-	-	-	-	-
Oilers	1,439	2.08	-	8	22	40	260	382	580	49	98	-	-	-	-	-	-	-	-	-
Manufacturing	1,419	2.09	-	-	10	40	260	382	580	49	98	-	-	-	-	-	-	-	-	-
Painters, maintenance	989	2.41	-	-	-	17	54	42	26	105	159	155	343	1	54	-	29	4	-	-
Manufacturing	684	2.44	-	-	-	-	10	9	9	98	76	129	340	1	-	-	12	-	-	-
Nonmanufacturing	305	2.34	-	-	-	17	44	33	17	7	83	26	3	-	54	-	17	4	-	-
Pipefitters, maintenance	2,428	2.54	-	-	-	-	7	-	14	12	198	323	1294	531	46	-	-	-	-	3
Manufacturing	2,366	2.53	-	-	-	-	7	-	14	10	198	321	1281	522	10	-	-	-	-	3
Sheet-metal workers, maintenance	528	2.53	-	-	-	-	-	-	3	2	58	76	259	124	4	2	-	-	-	-
Manufacturing	524	2.53	-	-	-	-	-	-	3	1	57	74	259	124	4	2	-	-	-	-
Tool and die makers	6,255	2.75	-	-	-	-	-	-	-	-	5	44	309	745	4418	450	114	120	12	38
Manufacturing	6,254	2.75	-	-	-	-	-	-	-	-	5	44	309	745	4417	450	114	120	12	38

¹ Excludes premium pay for overtime, and for work on weekends, holidays, and late shifts.
* Transportation (excluding railroads), communication, and other public utilities.

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

(Average hourly earnings¹ for selected occupations² studied on an area basis
in Detroit, Mich., by industry division, October 1955)

Occupation and industry division	Number of workers	Average hourly earnings	NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS OF--																					
			Under \$ 1.00	\$ 1.00 and under 1.10	\$ 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 and over
Truckdrivers ⁶	6,886	2.20	-	-	2	4	11	12	62	57	193	127	240	1032	842	1906	2145	-	46	-	18	-	-	189
Manufacturing	3,426	2.17	-	-	-	-	-	-	-	36	145	46	222	843	532	1330	55	-	28	-	-	-	-	189
Nonmanufacturing	3,460	2.24	-	-	2	4	11	12	62	21	48	81	18	189	310	576	2090	-	18	-	18	-	-	-
Public utilities*	1,593	2.31	-	-	-	-	-	-	-	5	3	2	2	80	9	10	1482	-	-	-	-	-	-	-
Wholesale trade	1,002	2.21	-	-	-	-	-	-	9	12	42	67	7	19	150	210	486	-	-	-	-	-	-	-
Retail trade ⁴	784	2.17	-	-	-	-	1	3	50	3	3	7	-	90	148	327	116	-	18	-	18	-	-	-
Truckdrivers, light (under 1½ tons)	805	2.03	-	-	2	4	10	9	62	20	27	17	48	173	122	303	8	-	-	-	-	-	-	-
Nonmanufacturing	281	1.88	-	-	2	4	10	9	62	18	3	7	17	62	72	15	-	-	-	-	-	-	-	-
Truckdrivers, medium (1½ to and including 4 tons)	2,069	2.20	-	-	-	-	-	-	-	37	156	39	135	478	301	382	306	-	28	-	18	-	-	189
Manufacturing	1,452	2.19	-	-	-	-	-	-	-	34	112	30	134	399	152	355	19	-	28	-	-	-	-	189
Nonmanufacturing	617	2.22	-	-	-	-	-	-	-	3	44	9	1	79	149	27	287	-	-	-	18	-	-	-
Truckdrivers, heavy (over 4 tons, trailer type)	2,935	2.24	-	-	-	-	1	-	-	-	1	71	32	144	393	1151	1142	-	-	-	-	-	-	-
Manufacturing	1,153	2.18	-	-	-	-	-	-	-	-	-	6	32	128	320	647	20	-	-	-	-	-	-	-
Nonmanufacturing	1,782	2.28	-	-	-	-	1	-	-	-	1	65	-	16	73	504	1122	-	-	-	-	-	-	-
Public utilities*	982	2.33	-	-	-	-	-	-	-	-	-	-	-	-	9	8	965	-	-	-	-	-	-	-
Truckdrivers, heavy (over 4 tons, other than trailer type)	355	2.27	-	-	-	-	-	-	-	-	-	-	25	30	17	32	233	-	18	-	-	-	-	-
Nonmanufacturing	288	2.31	-	-	-	-	-	-	-	-	-	-	-	28	7	10	225	-	18	-	-	-	-	-
Truckers, power (forklift)	5,177	2.01	-	-	-	-	1	1	12	18	19	289	2384	1743	526	128	-	16	3	4	5	16	12	-
Manufacturing	4,736	2.01	-	-	-	-	-	-	-	18	18	219	2279	1693	354	99	-	16	3	4	5	16	12	-
Nonmanufacturing	441	2.03	-	-	-	-	1	1	12	-	1	70	105	50	172	29	-	-	-	-	-	-	-	-
Public utilities*	118	2.09	-	-	-	-	-	-	-	-	-	-	40	11	67	-	-	-	-	-	-	-	-	-
Truckers, power (other than forklift)	1,192	2.03	-	-	-	-	-	-	-	-	15	3	203	926	17	4	3	-	-	8	13	-	-	-
Watchmen	1,365	1.54	6	305	96	67	59	88	43	48	67	154	272	147	3	1	-	8	1	-	-	-	-	-
Manufacturing	673	1.84	-	-	21	-	21	24	24	19	67	109	249	128	1	1	-	8	1	-	-	-	-	-
Nonmanufacturing	692	1.26	6	305	75	67	38	64	19	29	-	45	23	19	2	-	-	-	-	-	-	19	-	-
Public utilities*	54	1.72	-	6	-	5	-	-	-	-	11	-	9	6	15	2	-	-	-	-	-	-	-	-
Retail trade ⁴	92	1.34	2	5	16	13	17	24	8	-	-	6	1	-	-	-	-	-	-	-	-	-	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.² Data limited to men workers except where otherwise indicated.³ Workers were distributed as follows: 1 at \$0.70 to \$0.80; 52 at \$0.80 to \$0.90; and 37 at \$0.90 to \$1.⁴ Excludes data for 2 large department stores.⁵ Workers were distributed as follows: 20 at \$0.70 to \$0.80; 49 at \$0.80 to \$0.90; and 184 at \$0.90 to \$1.⁶ Includes all drivers regardless of size and type of truck operated.

* Transportation (excluding railroads), communication, and other public utilities.

B: Establishment Practices and Supplementary Wage Provisions

Table B-1: Shift Differential Provisions ¹

Shift differential	Percent of manufacturing plant workers—			
	(a) In establishments having formal provisions for—		(b) Actually working on—	
	Second shift work	Third or other shift work	Second shift	Third or other shift
Total	99.3	94.1	25.7	7.0
With shift pay differential	98.4	94.1	25.4	7.0
Uniform cents (per hour)	29.1	25.0	6.6	2.6
5 cents	4.7	1.0	1.0	.2
6 cents	5.1	1.3	1.5	.3
7 or 7½ cents	5.3	2.1	1.0	.1
8 cents	2.0	1.5	.4	†
9 or 9½ cents5	4.7	.2	.9
10 cents	7.0	6.4	1.6	.4
11 cents	1.3	-	.2	-
12 or 12½ cents	1.4	2.0	.2	.2
13 or 14 cents	-	1.5	-	.1
15 cents	1.7	2.1	.6	†
Over 15 cents	-	2.5	-	.3
Uniform percentage	68.0	65.7	18.3	4.3
5 percent	63.5	-	17.8	-
7 percent	-	.4	-	.1
7½ percent	2.4	22.3	.2	1.8
10 percent	2.1	42.5	.3	2.3
12½ percent	-	.5	-	.1
Other	1.3	3.4	.5	.2
No shift pay differential9	-	.3	-

¹ 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.

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Table B-2: Minimum Entrance Rates for Women Office Workers¹

Minimum rate (weekly salary)	Number of establishments with specified minimum hiring rate in—						Number of establishments with specified minimum hiring rate in—							
	All industries	Manufacturing		Nonmanufacturing			All industries	Manufacturing		Nonmanufacturing				
		Based on standard weekly hours ² of —						Based on standard weekly hours ² of —						
		All schedules	40	All schedules	37½	40		All schedules	40	All schedules	37½	40		
Establishments studied	254	87	xxx	167	xxx	xxx	254	87	xxx	167	xxx	xxx		
	FOR INEXPERIENCED TYPISTS						FOR OTHER INEXPERIENCED CLERICAL WORKERS							
Establishments having a specified minimum	146	61	57	85	11	63	164	56	52	108	9	82		
Under \$30.00	-	-	-	-	-	-	1	-	-	1	-	1		
\$30.00 and under \$32.50	2	-	-	2	-	2	1	-	-	1	-	1		
\$32.50 and under \$35.00	5	-	-	5	-	5	6	-	-	6	-	5		
\$35.00 and under \$37.50	3	1	1	2	-	2	5	1	1	4	-	4		
\$37.50 and under \$40.00	3	1	1	2	-	1	7	1	1	6	-	6		
\$40.00 and under \$42.50	18	6	6	12	2	9	35	7	7	28	2	19		
\$42.50 and under \$45.00	18	5	4	13	1	8	17	4	3	13	1	10		
\$45.00 and under \$47.50	23	8	8	15	2	11	26	7	7	19	4	12		
\$47.50 and under \$50.00	15	6	5	9	2	7	14	8	7	6	2	4		
\$50.00 and under \$52.50	23	10	9	13	2	9	22	9	8	13	-	12		
\$52.50 and under \$55.00	13	8	7	5	1	3	9	7	6	2	-	1		
\$55.00 and under \$57.50	9	6	6	3	1	2	7	4	4	3	-	2		
\$57.50 and under \$60.00	8	6	6	2	-	2	5	5	5	-	-	-		
\$60.00 and under \$62.50	4	2	2	2	-	2	5	2	2	3	-	3		
\$62.50 and under \$65.00	1	1	1	-	-	-	3	1	1	2	-	1		
\$65.00 and over	1	1	1	-	-	-	1	-	-	1	-	1		
Establishments having no specified minimum	43	17	xxx	26	xxx	xxx	45	19	xxx	26	xxx	xxx		
Establishments which did not employ workers in this category	63	8	xxx	55	xxx	xxx	43	11	xxx	32	xxx	xxx		
Data not available	2	1	xxx	1	xxx	xxx	2	1	xxx	1	xxx	xxx		

¹ Lowest salary rate formally established for hiring inexperienced workers for typing or other clerical jobs.

² Hours reflect the workweek for which employees receive their regular straight-time salaries. Data are presented for all workweeks combined, and for the most common workweeks reported.

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Table B-3: Scheduled Weekly Hours

Weekly hours	PERCENT OF OFFICE WORKERS EMPLOYED IN--							PERCENT OF PLANT WORKERS EMPLOYED IN--					
	All industries	Manufacturing	Public utilities *	Wholesale trade	Retail trade ²	Finance **	Services	All industries ³	Manufacturing	Public utilities *	Wholesale trade	Retail trade ²	Services
All workers -----	100	100	100	100	100	100	100	100	100	100	100	100	100
Under 35 hours -----	-	-	-	-	-	-	-	†	-	-	-	-	4
35 hours -----	†	-	-	†	-	5	22	†	-	-	-	-	†
Over 35 and under 37 1/2 hours -----	†	-	-	-	3	†	-	†	†	-	-	†	-
37 1/2 hours -----	9	3	54	12	†	5	13	†	†	-	-	†	-
Over 37 1/2 and under 40 hours -----	5	†	†	†	5	12	12	†	-	-	-	†	-
40 hours -----	83	95	46	81	86	75	48	85	92	98	79	34	59
Over 40 and under 44 hours -----	†	†	-	-	4	-	†	4	†	-	6	33	-
44 hours -----	†	-	-	4	-	-	3	3	†	†	7	11	25
Over 44 and under 48 hours -----	†	-	-	-	-	-	†	†	†	-	-	7	-
48 hours -----	†	-	-	-	†	-	†	†	4	†	-	10	5
Over 48 hours -----	-	-	-	-	-	-	-	†	†	-	8	-	7

¹ Data relate to women workers only.

² Excludes data for 2 large department stores.

³ Includes data for real estate in addition to those industry divisions shown separately.

† Less than 2.5 percent.

* Transportation (excluding railroads), communication, and other public utilities.

** Finance, insurance, and real estate.

Table B-4: Paid Holidays¹

Item	PERCENT OF OFFICE WORKERS EMPLOYED IN--							PERCENT OF PLANT WORKERS EMPLOYED IN--					
	All industries	Manufacturing	Public utilities *	Wholesale trade	Retail trade ²	Finance **	Services	All industries ³	Manufacturing	Public utilities *	Wholesale trade	Retail trade ²	Services
All workers -----	100	100	100	100	100	100	100	100	100	100	100	100	100
Workers in establishments providing paid holidays -----	99	100	100	100	100	100	99	98	⁴ 100	97	96	93	65
1 holiday -----	†	-	-	-	-	-	3	†	-	-	-	-	†
4 holidays -----	†	†	-	-	-	-	-	†	†	-	-	-	-
5 holidays -----	-	-	-	-	-	-	-	†	-	-	6	-	†
6 holidays -----	83	95	53	77	96	42	96	90	93	57	75	85	62
Full days only -----	31	18	50	64	82	31	80	30	19	55	69	83	60
Plus 1 half day -----	†	†	3	4	10	†	14	†	†	†	†	-	†
Plus 2 half days -----	49	76	†	10	4	3	†	59	73	-	4	†	†
Plus 3 half days -----	†	-	-	-	-	6	-	-	-	-	-	-	-
7 holidays -----	8	5	47	19	†	†	-	7	6	41	12	4	-
Full days only -----	8	5	47	19	-	†	-	7	6	41	12	3	-
Plus 1 half day -----	†	-	-	-	†	†	-	†	-	-	-	†	-
8 holidays -----	†	-	-	4	†	†	-	†	-	-	-	4	-
Full days only -----	†	-	-	†	†	†	-	†	-	-	-	4	-
Plus 2 half days -----	†	-	-	3	-	-	-	†	-	-	-	-	-
9 holidays -----	5	-	-	-	-	35	-	†	-	-	3	-	-
Full days only -----	5	-	-	-	-	34	-	†	-	-	3	-	-
Plus 1 half day -----	†	-	-	-	-	†	-	-	-	-	-	-	-
10 holidays -----	3	-	-	-	-	20	-	-	-	-	-	-	-
12 holidays -----	†	-	-	-	-	†	-	-	-	-	-	-	-
Workers in establishments providing no paid holidays -----	†	-	-	-	-	-	†	†	-	3	4	7	35

¹ Estimates relate to full-day holidays provided annually, as in earlier studies. These are further divided between workers who receive merely the indicated number of full day holidays, and those who receive 1 or more half holidays in addition.

² Excludes data for 2 large department stores.

³ Includes data for real estate in addition to those industry divisions shown separately.

⁴ The increase from 82 percent reported in a similar study made in October 1953 resulted chiefly from conversion to paid holidays in establishments which formerly gave pay in lieu of holidays.

† Less than 2.5 percent.

* Transportation (excluding railroads), communication, and other public utilities.

** Finance, insurance, and real estate.

Table B-5: Paid Vacations

Vacation policy	PERCENT OF OFFICE WORKERS EMPLOYED IN—							PERCENT OF PLANT WORKERS EMPLOYED IN—					
	All industries	Manufacturing	Public utilities*	Wholesale trade	Retail trade ¹	Finance**	Services	All industries ²	Manufacturing	Public utilities*	Wholesale trade	Retail trade ¹	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	99	100	100	100	100	100	99	98	100	100	100	100	94
Length-of-time payment	99	99	100	100	100	100	96	91	89	99	100	100	94
Percentage payment	†	†	-	-	-	-	3	7	9	†	-	-	†
Other	-	-	-	-	-	-	-	†	†	-	-	-	-
Workers in establishments providing no paid vacations	†	-	-	-	-	-	†	†	-	-	-	-	6
AMOUNT OF VACATION PAY													
After 1 year of service													
Less than 1 week	-	-	-	-	-	-	-	†	†	-	-	-	-
1 week	12	4	44	22	58	3	28	86	89	56	61	82	85
Over 1 and under 2 weeks	†	-	-	-	†	-	-	6	7	-	-	†	-
2 weeks	88	96	56	78	41	97	72	6	†	44	39	17	8
Over 2 and under 3 weeks	-	-	-	-	-	-	-	†	†	-	-	-	-
3 weeks	-	-	-	-	-	-	-	†	†	-	-	-	-
After 2 years of service													
1 week	3	†	4	8	5	-	17	62	68	17	27	39	73
Over 1 and under 2 weeks	†	-	-	-	†	-	-	18	22	†	3	†	-
2 weeks	96	98	96	92	94	100	66	18	7	81	69	60	19
Over 2 and under 3 weeks	†	-	-	-	-	-	17	†	†	-	-	-	-
3 weeks	-	-	-	-	-	-	-	†	†	-	-	-	†
After 3 years of service													
1 week	†	†	-	-	-	-	17	10	8	-	15	5	65
Over 1 and under 2 weeks	-	-	-	-	-	-	-	48	60	†	4	-	-
2 weeks	98	98	100	100	100	100	66	40	30	99	81	95	28
Over 2 and under 3 weeks	†	†	-	-	-	-	17	†	†	-	-	-	-
3 weeks	†	†	-	-	-	-	-	†	†	-	-	-	†
After 5 years of service													
1 week	-	-	-	-	-	-	-	†	-	-	-	-	7
2 weeks	82	79	100	85	77	84	76	89	90	100	84	82	85
Over 2 and under 3 weeks	14	18	-	8	†	8	17	6	8	-	-	†	-
3 weeks	4	†	-	7	21	8	7	4	2	-	16	17	†

See footnotes at end of table.

* Transportation (excluding railroads), communication, and other public utilities.

** Finance, insurance, and real estate.

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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.

Table B-5: Paid Vacations - Continued

Vacation policy	PERCENT OF OFFICE WORKERS EMPLOYED IN—							PERCENT OF PLANT WORKERS EMPLOYED IN—					
	All industries	Manufacturing	Public utilities*	Wholesale trade	Retail trade ¹	Finance **	Services	All industries ²	Manufacturing	Public utilities*	Wholesale trade	Retail trade ¹	Services
All workers	100	100	100	100	100	100	100	100	100	100	100	100	100
AMOUNT OF VACATION PAY - Continued													
After 10 years of service													
1 week	-	-	-	-	-	-	-	†	-	-	-	-	7
2 weeks	30	16	95	56	52	34	40	27	15	97	73	66	82
Over 2 and under 3 weeks	5	6	†	†	†	4	-	62	77	3	4	†	†
3 weeks	64	77	4	42	36	62	60	9	8	-	23	24	†
4 weeks and over	†	-	-	-	11	-	-	†	-	-	-	9	-
After 15 years of service													
1 week	-	-	-	-	-	-	-	†	-	-	-	-	7
2 weeks	10	4	9	23	29	16	39	9	4	†	32	27	82
Over 2 and under 3 weeks	†	†	-	-	†	-	-	3	3	-	-	†	†
3 weeks	88	94	91	76	59	81	56	83	88	99	68	63	†
Over 3 and under 4 weeks	†	-	-	-	-	†	-	4	5	-	-	-	-
4 weeks and over	†	†	-	†	11	†	5	†	-	-	-	9	†
After 20 years of service													
1 week	-	-	-	-	-	-	-	†	-	-	-	-	7
2 weeks	9	4	6	23	27	13	38	9	4	†	32	25	82
Over 2 and under 3 weeks	†	†	-	-	†	-	-	3	3	-	-	†	†
3 weeks	85	93	93	76	56	69	55	78	84	88	58	57	†
Over 3 and under 4 weeks	†	†	-	-	-	-	-	5	6	-	-	-	-
4 weeks and over	5	†	†	†	15	18	6	4	2	11	10	17	†
After 25 years of service													
1 week	-	-	-	-	-	-	-	†	-	-	-	-	7
2 weeks	9	4	6	23	27	13	35	9	4	†	32	25	75
Over 2 and under 3 weeks	†	†	-	-	†	-	-	3	3	-	-	†	†
3 weeks	77	93	46	61	30	53	58	75	84	48	44	41	9
Over 3 and under 4 weeks	-	-	-	-	-	-	-	4	5	-	-	-	-
4 weeks and over	14	†	48	16	41	34	6	8	3	51	24	33	†

¹ Excludes data for 2 large department stores.

² Includes data for real estate in addition to those industry divisions shown separately.

† Less than 2.5 percent.

* Transportation (excluding railroads), communication, and other public utilities.

** Finance, insurance, and real estate.

Table B-6: Health, Insurance, and Pension Plans

Type of plan	PERCENT OF OFFICE WORKERS EMPLOYED IN—							PERCENT OF PLANT WORKERS EMPLOYED IN—					
	All industries	Manufacturing	Public utilities*	Wholesale trade	Retail trade ¹	Finance **	Services	All industries ²	Manufacturing	Public utilities*	Wholesale trade	Retail trade ¹	Services
All workers -----	100	100	100	100	100	100	100	100	100	100	100	100	100
Workers in establishments providing:													
Life insurance -----	94	98	98	82	73	92	77	97	99	97	93	86	89
Accidental death and dismemberment insurance -----	46	56	9	48	62	20	33	57	58	20	58	69	38
Sickness and accident insurance or sick leave or both ³ -----	84	95	97	76	69	46	51	93	96	100	90	76	80
Sickness and accident insurance -----	67	92	14	53	48	9	34	88	95	22	74	65	79
Sick leave (full pay and no waiting period) -----	56	56	92	68	35	42	37	9	3	40	40	33	3
Sick leave (partial pay or waiting period) -----	18	27	†	†	13	4	-	4	†	37	5	9	-
Hospitalization insurance -----	86	97	60	83	48	77	71	92	98	63	82	66	80
Surgical insurance -----	86	97	60	81	48	77	71	92	98	63	82	66	80
Medical insurance -----	77	90	54	72	44	61	34	81	87	58	54	50	67
Catastrophe insurance -----	14	18	7	16	-	12	-	†	-	4	4	-	-
Retirement pension -----	78	88	91	52	18	73	30	79	89	99	45	24	10
No health, insurance, or pension plan -----	3	†	-	5	16	8	8	†	-	-	4	3	11

¹ Excludes data for 2 large department stores.

² Includes data for real estate in addition to those industry divisions shown separately.

³ Unduplicated total of workers receiving sick leave or sickness and accident insurance shown separately below.

† Less than 2.5 percent.

* Transportation (excluding railroads), communication, and other public utilities.

** Finance, insurance, and real estate.

Occupational Wage Survey, Detroit, Mich., October 1955
U. S. DEPARTMENT OF LABOR
Bureau of Labor Statistics

Appendix: Job Descriptions

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

Class A - 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.

Class B - 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

Class A - 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 assignments and allocations. May assist in preparing, adjusting, and closing journal entries; may direct class B accounting clerks.

Class B - 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.

CLERK, FILE

Class A - 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.

Class B - 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 pay checks 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.

KEY-PUNCH OPERATOR

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. Does not include transcribing-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. Does not include 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 operator-receptionist.

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, in addition, 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.

Class A - Performs one or more of the following: 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 foreign-language 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.

Class B - Performs one or more of the following: 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 TechnicalDRAFTSMAN, 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 a combination of the following: 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 PowerplantCARPENTER, 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 most of the following: 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.

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.

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 most of the following: 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.

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 boiler-room 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 machine-shop 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 most of the following: 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 most of the following: 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 primary duties 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 most of the following: 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 sheet-metal 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, chaping, 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; heat-treating 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 processes. 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 MovementELEVATOR 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 one or more of 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 may involve one or more of the following: 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. Packers who also make 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. Shipping work involves: 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. Receiving work involves: 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. Driver-salesmen and 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 1½ tons)
Truckdriver, medium (1½ 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.