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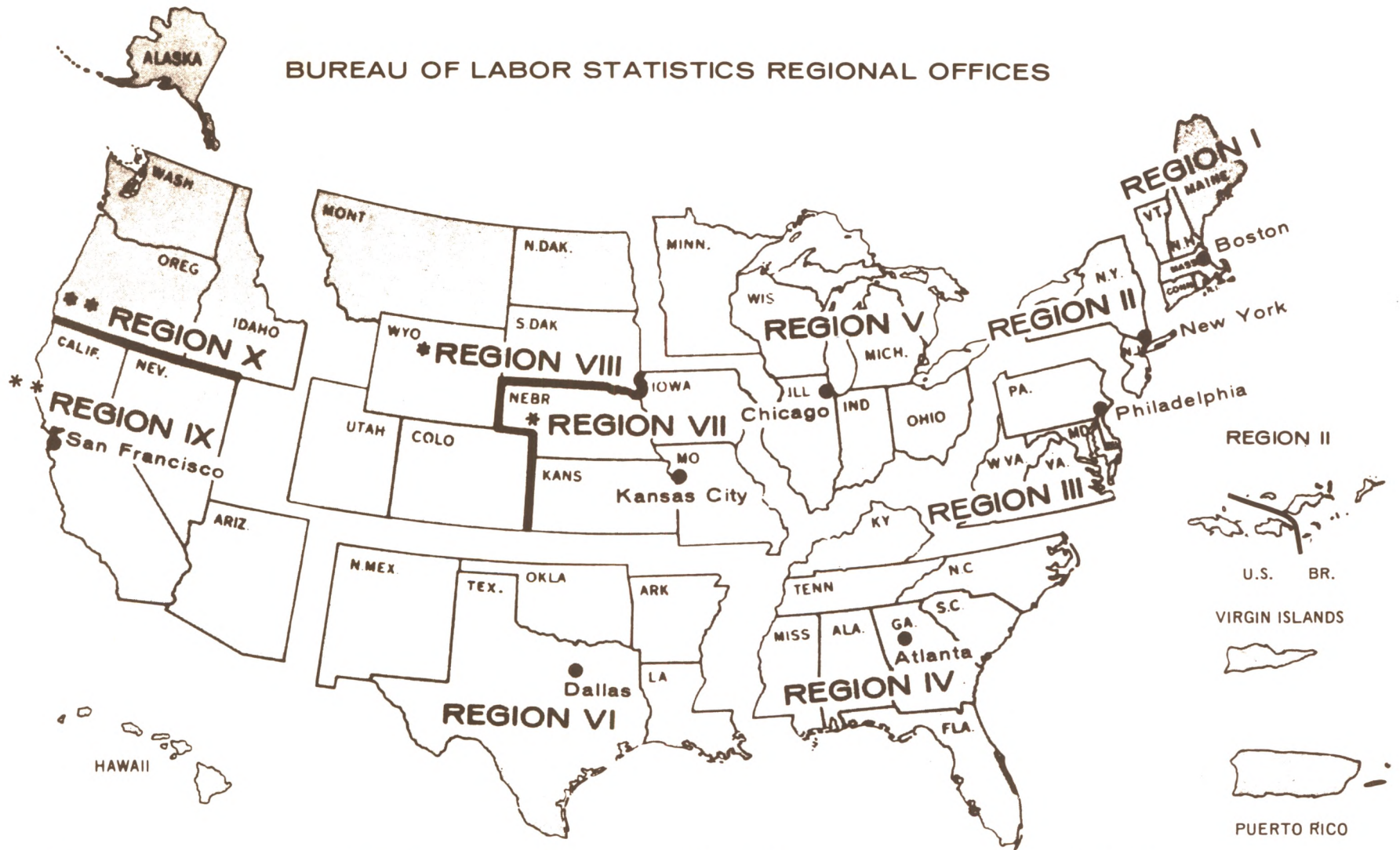
**March 1970**



**Bulletin 1660-64**

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# Area Wage Survey

## The Los Angeles—Long Beach and Anaheim—Santa Ana— Garden Grove, California, Metropolitan Area

March 1970

**Bulletin 1660-64**

July 1970

**U.S. DEPARTMENT OF LABOR**

J. D. Hodgson, Secretary

**BUREAU OF LABOR STATISTICS**

Geoffrey H. Moore, Commissioner



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## Preface

The Bureau of Labor Statistics program of annual occupational wage surveys in metropolitan areas is designed to provide data on occupational earnings, and establishment practices and supplementary wage provisions. It yields detailed data by selected industry division for each of the areas studied, for geographic regions, and for the United States. A major consideration in the program is the need for greater insight into (1) the movement of wages by occupational category and skill level, and (2) the structure and level of wages among areas and industry divisions.

At the end of each survey, an individual area bulletin presents survey results for each area studied. After completion of all of the individual area bulletins for a round of surveys, two summary bulletins are issued. The first brings data for each of the metropolitan areas

studied into one bulletin. The second presents information which has been projected from individual metropolitan area data to relate to geographic regions and the United States.

Ninety areas currently are included in the program. In each area, information on occupational earnings is collected annually and on establishment practices and supplementary wage provisions biennially.

This bulletin presents results of the survey in Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., in March 1970. The Standard Metropolitan Statistical Area, as defined by the Bureau of the Budget through January 1968, consists of Los Angeles and Orange Counties. This study was conducted by the Bureau's regional office in San Francisco, Calif., under the general direction of Adolph O. Berger, Assistant Regional Director for Operations.

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NOTE: Similar tabulations are available for other areas.\* (See inside back cover.)

Current reports on occupational earnings and supplementary wage provisions in the Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove area are also available for auto dealer repair shops (August 1969); miscellaneous plastics products (August 1969); and on earnings only for selected food service and laundry and dry cleaning occupations (March 1970). Union scales, indicative of prevailing pay levels, are available for building construction; printing; local-transit operating employees; and motortruck drivers, helpers, and allied occupations.

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## The Los Angeles—Long Beach and Anaheim—Santa Ana— Garden Grove, Calif., Metropolitan Area

### Introduction

This area is 1 of 90 in which the U.S. Department of Labor's Bureau of Labor Statistics conducts surveys of occupational earnings and related benefits on an areawide basis.<sup>1</sup>

This bulletin presents current occupational employment and earnings information obtained largely by mail from the establishments visited by Bureau field economists in the last previous survey for occupations reported in that earlier study. Personal visits were made to nonrespondents and to those respondents reporting unusual changes since the previous survey.

In each area, data are obtained from representative establishments within six broad industry divisions: Manufacturing; transportation, communication, and other public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and services. Major industry groups excluded from these studies are government operations and the construction and extractive industries. Establishments having fewer than a prescribed number of workers are omitted because they tend to furnish insufficient employment in the occupations studied to warrant inclusion. Separate tabulations are provided for each of the broad industry divisions which meet publication criteria.

These surveys are conducted on a sample basis because of the unnecessary cost involved in surveying all establishments. To obtain optimum 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, and are of the following types: (1) Office clerical; (2) professional and technical; (3) maintenance and powerplant; and (4) custodial and material movement. Occupational classification is based on a uniform set of job descriptions designed to take account of interestablishment variation in duties within the same job. The occupations selected for study are listed and described in the appendix. The earnings data following the job titles are for all industries combined. Earnings data for some of the occupations listed and described, or for some industry divisions within occupations, are not presented in the A-series tables because either (1) employment in the occupation is too small to provide enough data

<sup>1</sup> Included in the 90 areas are four studies conducted under contract with the New York State Department of Labor. These areas are Binghamton (New York portion only); Rochester (office occupations only); Syracuse; and Utica—Rome. In addition, the Bureau conducts more limited area studies in 78 areas at the request of the Wage and Hour and Public Contracts Divisions of the U.S. Department of Labor.

to merit presentation, or (2) there is possibility of disclosure of individual establishment data.

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, but cost-of-living allowances and incentive earnings are included. Where weekly hours are reported, as for office clerical occupations, reference is to the standard workweek (rounded to the nearest half hour) for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates). Average weekly earnings for these occupations have been rounded to the nearest half dollar.

The averages presented reflect composite, areawide estimates. Industries and establishments differ in pay level and job staffing and, thus, contribute differently to the estimates for each job. The pay relationship obtainable from the averages may fail to reflect accurately the wage spread or differential maintained among jobs in individual establishments. Similarly, differences in average pay levels for men and women in any of the selected occupations should not be assumed to reflect differences in pay treatment of the sexes within individual establishments. Other possible factors which may contribute to differences in pay for men and women include: Differences in progression within established rate ranges, since only the actual rates paid incumbents are collected; and differences in specific duties performed, although the workers are classified appropriately within the same survey job description. Job descriptions used in classifying employees in these surveys are usually more generalized than those used in individual establishments and allow for minor differences among establishments in the specific duties performed.

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 affect materially the accuracy of the earnings data.

#### Establishment Practices and Supplementary Wage Provisions

Tabulations on selected establishment practices and supplementary wage provisions (B-series tables) are not presented in this bulletin. Information for these tabulations is collected biennially. These tabulations on minimum entrance salaries for inexperienced women office workers; shift differentials; scheduled weekly hours; paid holidays; paid vacations; and health, insurance, and pension plans are presented (in the B-series tables) in previous bulletins for this area.



Table 1. Establishments and Workers Within Scope of Survey and Number Studied in Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif.,<sup>1</sup> by Major Industry Division,<sup>2</sup> March 1970

Industry division	Minimum employment in establishments in scope of study	Number of establishments		Workers in establishments		
		Within scope of study <sup>3</sup>	Studied	Within scope of study <sup>4</sup>		Studied
				Number	Percent	
<b>All establishments</b>						
All divisions.....	-	3,733	409	1,420,777	100	675,685
Manufacturing.....	100	1,438	134	673,162	47	300,456
Nonmanufacturing.....	-	2,295	275	747,615	53	375,229
Transportation, communication, and other public utilities <sup>5</sup> .....	100	141	39	136,401	10	111,541
Wholesale trade.....	50	638	57	95,028	7	21,774
Retail trade.....	100	323	43	214,377	15	103,804
Finance, insurance, and real estate.....	50	407	50	130,582	9	64,880
Services (excluding motion pictures) <sup>6</sup> .....	50	719	71	146,956	10	57,003
Motion pictures <sup>7</sup> .....	50	67	15	24,271	2	16,227
<b>Large establishments</b>						
All divisions.....	-	452	201	890,571	100	633,306
Manufacturing.....	500	217	76	428,522	48	286,770
Nonmanufacturing.....	-	235	125	462,049	52	346,536
Transportation, communication, and other public utilities <sup>5</sup> .....	500	31	24	114,137	13	107,957
Wholesale trade.....	500	27	14	23,007	2	14,635
Retail trade.....	500	75	29	167,073	19	100,752
Finance, insurance, and real estate.....	500	46	23	78,184	9	59,784
Services (excluding motion pictures) <sup>6</sup> .....	500	44	25	62,771	7	48,225
Motion pictures <sup>7</sup> .....	500	12	10	16,877	2	15,183

<sup>1</sup> The Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove Standard Metropolitan Statistical Area, as defined by the Bureau of the Budget through January 1968, consists of Los Angeles and Orange 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 employment indexes for the area to measure employment trends or levels since (1) planning of wage surveys requires the use of establishment data compiled considerably in advance of the payroll period studied, and (2) small establishments are excluded from the scope of the survey.

<sup>2</sup> The 1967 edition of the Standard Industrial Classification Manual was used in classifying establishments by industry division.

<sup>3</sup> Includes all establishments with total employment at or above the minimum 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>4</sup> Includes all workers in all establishments with total employment (within the area) at or above the minimum limitation.

<sup>5</sup> Taxicabs and services incidental to water transportation were excluded. Electric utilities and most of the local transit for the city of Los Angeles are municipally operated and are excluded by definition from the scope of the study.

<sup>6</sup> Hotels and motels; laundries and other personal services; business services; automobile repair, rental, and parking; motion pictures; nonprofit membership organizations (excluding religious and charitable organizations); and engineering and architectural services.

<sup>7</sup> Motion picture production and motion picture service industries independent of production but allied thereto.

One-half of the workers within scope of the survey in the Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove area were employed in manufacturing firms. The following presents the major industry groups and specific industries as a percent of all manufacturing:

<u>Industry groups</u>	<u>Specific industries</u>		
Transportation equipment.....	25	Aircraft and parts.....	21
Electrical equipment and supplies.....	21	Communication equipment.....	14
Ordnance and accessories.....	8	Ordnance.....	7
Machinery, except electrical.....	7		
Fabricated metal products.....	6		
Food and kindred products.....	6		

This information is based on estimates of total employment derived from universe materials compiled prior to actual survey. Proportions in various industry divisions may differ from proportions based on the results of the survey as shown in table 1 above.

## Wage Trends for Selected Occupational Groups

Presented in table 2 are indexes and percentages of change in average salaries of office clerical workers and industrial nurses, and in average earnings of selected plant worker groups. The indexes are a measure of wages at a given time, expressed as a percent of wages during the base period. Subtracting 100 from the index yields the percentage change in wages from the base period to the date of the index. The percentages of change or increase relate to wage changes between the indicated dates. These estimates are measures of change in averages for the area; they are not intended to measure average, pay changes in the establishments in the area.

### Method of Computing

Each of the selected key occupations within an occupational group was assigned a constant weight based on its proportionate employment in the occupational group. The average (mean) earnings for each occupation were multiplied by the occupational weight, and the products for all occupations in the group were totaled. The aggregates for 2 consecutive years were related by dividing the aggregate for the later year by the aggregate for the earlier year. The resultant relative, less 100 percent, shows the percentage change. The index is the product of multiplying the base year relative (100) by the relative for the next succeeding year and continuing to multiply (compound) each year's relative by the previous year's index. Average earnings for the following occupations were used in computing the wage trends:

Office clerical (men and women):	Office clerical (men and women)—	Skilled maintenance (men):
Bookkeeping-machine operators, class B	Continued	Carpenters
Clerks, accounting, classes A and B	Secretaries	Electricians
Clerks, file, classes A, B, and C	Stenographers, general	Machinists
Clerks, order	Stenographers, senior	Mechanics
Clerks, payroll	Switchboard operators, classes A and B	Mechanics (automotive)
Comptometer operators	Tabulating-machine operators, class B	Painters
Keypunch operators, classes A and B	Typists, classes A and B	Pipefitters
Office boys and girls		Tool and die makers
	Industrial nurses (men and women):	Unskilled plant (men):
	Nurses, industrial (registered)	Janitors, porters, and cleaners
		Laborers, material handling

For office clerical workers and industrial nurses, the wage trends relate to regular weekly salaries for the normal workweek, exclusive of earnings for overtime. For plant worker groups, they measure changes in average straight-time hourly earnings, excluding premium pay for overtime and for work on weekends, 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.

### Limitations of Data

The indexes and percentages of change, as measures of change in area averages, are influenced by: (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 average wages due to changes in the labor force resulting from labor turnover, force expansions, force reductions, and changes in the proportions 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. It is conceivable that even though all establishments in an area gave wage increases, average wages may have declined because lower-paying establishments entered the area or expanded their work forces. Similarly, wages may have remained relatively constant, yet the averages for an area may have risen considerably because higher-paying establishments entered the area.

The use of constant employment weights eliminates the effect of changes in the proportion of workers represented in each job included in the data. The percentages of change reflect only changes in average pay for straight-time hours. They are not influenced by changes in standard work schedules, as such, or by premium pay for overtime. Where necessary, data were adjusted to remove from the indexes and percentages of change any significant effect caused by changes in the scope of the survey.

Table 2. Indexes of Standard Weekly Salaries and Straight-Time Hourly Earnings for Selected Occupational Groups in Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970 and March 1969, and Percents of Change<sup>1</sup> for Selected Periods

Period	All industries				Manufacturing			
	Office clerical (men and women)	Industrial nurses (men and women)	Skilled maintenance trades (men)	Unskilled plant workers (men)	Office clerical (men and women)	Industrial nurses (men and women)	Skilled maintenance trades (men)	Unskilled plant workers (men)
Indexes (March 1967=100)								
March 1970.....	114.3	122.3	118.8	116.2	114.3	123.9	119.2	114.3
March 1969.....	108.9	114.5	112.8	108.1	109.1	116.4	112.9	107.9
Indexes (March 1961=100)								
March 1970.....	140.2	157.4	144.6	143.0	141.3	158.1	143.3	135.2
March 1967.....	122.7	128.7	121.8	123.1	123.6	127.6	120.2	118.2
Percents of change <sup>1</sup>								
March 1969 to March 1970.....	4.9	6.8	5.3	7.4	4.7	6.4	5.5	6.0
March 1968 to March 1969.....	5.0	7.3	7.0	<sup>2</sup> 4.0	5.5	8.3	7.2	<sup>2</sup> 3.6
March 1967 to March 1968.....	3.8	6.7	5.4	4.0	3.4	7.5	5.4	4.1
March 1966 to March 1967.....	5.3	6.7	5.1	3.5	5.3	6.3	5.4	4.7
March 1965 to March 1966.....	3.4	2.9	2.7	2.7	3.3	2.9	2.1	<sup>3</sup> -5
March 1964 to March 1965.....	3.0	4.3	3.3	4.3	2.6	3.8	2.8	4.6
March 1963 to March 1964.....	2.6	3.5	3.1	3.6	3.3	4.0	2.6	2.7
March 1962 to March 1963.....	3.3	4.6	2.7	3.8	3.7	4.6	3.0	3.6
March 1961 to March 1962.....	3.3	3.8	3.2	3.2	3.4	3.3	2.8	1.9
April 1960 to March 1961.....	4.1	3.0	4.0	3.4	3.4	2.9	4.1	3.1

<sup>1</sup> All changes are increases unless otherwise indicated.

<sup>2</sup> Revised estimate.

<sup>3</sup> This decrease reflects changes in employment among establishments with different pay levels, rather than wage decreases.

NOTE: Previously published indexes for the Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove area used March 1961 as the base period. They can be converted to the new base period by dividing them by the corresponding index numbers for March 1967 on the March 1961 base period as shown in the table. (The result should be multiplied by 100.)



## A. Occupational Earnings

Table A-1. Office Occupations—Men and Women

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																							
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	\$ 60	\$ 65	\$ 70	\$ 75	\$ 80	\$ 85	\$ 90	\$ 95	\$ 100	\$ 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220	and over		
						and under	70	75	80	85	90	95	100	110	120	130	140	150	160	170	180	190	200	210	220	over			
MEN																													
CLERKS, ACCOUNTING, CLASS A -----	477	39.5	\$ 143.50	\$ 143.00	\$ 126.50-154.50	-	-	-	-	-	-	-	4	20	26	95	52	92	100	31	22	15	12	5	3	-			
MANUFACTURING -----	131	40.0	149.00	143.00	130.00-168.00	-	-	-	-	-	-	-	-	-	7	26	5	51	3	10	9	8	8	1	3	-			
NONMANUFACTURING -----	346	39.5	141.50	143.00	126.50-154.00	-	-	-	-	-	-	-	4	20	19	69	47	41	97	21	13	7	4	4	-	-			
PUBLIC UTILITIES <sup>3</sup> -----	77	39.5	147.00	145.00	140.50-154.00	-	-	-	-	-	-	-	-	-	2	2	14	24	23	5	6	1	-	-	-	-			
WHOLESALE TRADE -----	99	39.0	150.00	152.00	149.00-155.00	-	-	-	-	-	-	-	-	-	-	12	2	14	69	1	1	-	-	-	-	-			
FINANCE <sup>4</sup> -----	62	39.0	115.00	120.00	106.00-123.00	-	-	-	-	-	-	4	20	6	30	2	-	-	-	-	-	-	-	-	-	-			
SERVICES <sup>5</sup> -----	56	39.0	127.50	130.50	125.00-136.50	-	-	-	-	-	-	-	-	-	11	17	27	-	1	-	-	-	-	-	-	-			
MOTION PICTURES <sup>6</sup> -----	38	40.0	175.00	174.00	166.00-189.00	-	-	-	-	-	-	-	-	-	-	-	-	3	2	13	6	6	4	4	-	-			
CLERKS, ACCOUNTING, CLASS B -----	200	39.5	124.50	131.50	106.00-138.00	-	-	-	1	2	8	22	34	12	13	76	21	7	2	2	2	-	-	-	-	-			
MANUFACTURING -----	173	39.5	124.00	132.00	104.50-138.50	-	-	-	1	2	8	22	32	10	2	65	20	7	2	2	-	-	-	-	-				
PUBLIC UTILITIES <sup>3</sup> -----	38	40.0	117.50	110.00	104.00-138.00	-	-	-	-	-	-	9	11	6	-	5	6	-	-	1	-	-	-	-	-	-			
CLERKS, ORDER -----	1,341	40.0	143.50	141.00	127.50-161.50	-	-	-	-	-	12	24	17	143	198	249	257	58	209	66	59	33	16	-	-				
MANUFACTURING -----	355	40.0	145.00	141.50	118.50-163.00	-	-	-	-	-	-	-	17	102	15	36	89	-	13	-	44	26	13	-	-				
NONMANUFACTURING -----	986	40.0	143.00	141.00	129.50-161.50	-	-	-	-	-	12	24	-	41	183	213	168	58	196	66	15	7	3	-	-				
WHOLESALE TRADE -----	976	40.0	143.00	141.00	129.00-161.50	-	-	-	-	-	12	24	-	41	183	213	158	58	196	66	15	7	3	-	-				
CLERKS, PAYROLL -----	171	39.5	157.50	154.00	146.00-177.00	-	-	-	-	-	-	-	1	5	14	9	41	33	4	35	14	12	2	1	-				
MANUFACTURING -----	142	40.0	159.50	157.50	147.50-178.50	-	-	-	-	-	-	-	1	5	14	1	26	31	3	32	14	12	2	1	-				
PUBLIC UTILITIES <sup>3</sup> -----	33	39.5	147.00	150.50	147.00-154.00	-	-	-	-	-	-	-	-	3	-	1	11	18	-	-	-	-	-	-	-				
MOTION PICTURES <sup>6</sup> -----	77	40.0	176.50	178.00	171.50-184.50	-	-	-	-	-	-	-	-	-	-	-	2	11	3	32	14	12	2	1	-				
OFFICE BOYS -----	857	39.0	97.50	94.00	87.50-107.00	-	-	54	21	77	118	205	71	129	74	85	21	2	-	-	-	-	-	-	-				
MANUFACTURING -----	209	40.0	113.00	117.50	97.50-127.50	-	-	-	8	17	22	11	21	36	72	20	2	-	-	-	-	-	-	-	-				
NONMANUFACTURING -----	648	39.0	92.50	92.00	86.00-100.00	-	-	54	21	69	101	183	60	108	38	13	1	-	-	-	-	-	-	-	-				
PUBLIC UTILITIES <sup>3</sup> -----	28	36.0	97.00	94.00	90.50-99.00	-	-	-	-	6	11	6	-	2	2	1	-	-	-	-	-	-	-	-	-				
FINANCE <sup>4</sup> -----	296	38.5	91.50	92.00	84.50-100.00	-	-	44	8	26	38	73	34	56	13	4	-	-	-	-	-	-	-	-	-				
SERVICES <sup>5</sup> -----	176	39.0	92.00	91.50	87.00-97.00	-	-	-	28	42	57	15	32	1	1	-	-	-	-	-	-	-	-	-	-				
MOTION PICTURES <sup>6</sup> -----	93	40.0	96.50	98.00	85.50-111.00	-	-	11	11	11	11	5	18	22	4	-	-	-	-	-	-	-	-	-	-				
SECRETARIES <sup>7</sup> -----	93	40.0	158.50	157.00	151.00-164.50	-	-	-	-	-	-	-	-	-	2	3	15	36	18	13	3	-	3	-	-				
MANUFACTURING -----	73	40.0	159.00	155.00	150.50-169.00	-	-	-	-	-	-	-	-	-	2	-	14	34	6	11	3	-	3	-	-				
PUBLIC UTILITIES <sup>3</sup> -----	58	40.0	157.50	154.00	149.50-166.00	-	-	-	-	-	-	-	-	-	2	-	14	25	3	9	3	-	2	-	-				
SECRETARIES, CLASS C -----	64	40.0	157.50	154.50	149.50-164.50	-	-	-	-	-	-	-	-	-	-	3	14	28	6	9	2	-	2	-	-				
MANUFACTURING -----	59	40.0	158.50	154.50	150.50-167.50	-	-	-	-	-	-	-	-	-	-	-	14	26	6	9	2	-	2	-	-				
PUBLIC UTILITIES <sup>3</sup> -----	55	40.0	158.00	154.50	150.00-165.00	-	-	-	-	-	-	-	-	-	-	-	14	25	3	9	2	-	2	-	-				
TABULATING-MACHINE OPERATORS, CLASS A -----	183	39.5	157.50	155.00	139.50-173.00	-	-	-	-	-	-	-	7	3	3	34	11	47	20	27	7	24	-	-	-				
MANUFACTURING -----	108	40.0	158.50	158.00	138.50-172.00	-	-	-	-	-	-	-	-	-	2	28	-	28	16	19	2	13	-	-	-				
NONMANUFACTURING -----	75	39.0	155.50	153.00	141.00-178.50	-	-	-	-	-	-	-	7	3	1	6	11	19	4	8	5	11	-	-	-				
TABULATING-MACHINE OPERATORS, CLASS B -----	375	39.0	140.50	144.50	131.50-152.00	-	-	-	-	-	1	5	11	41	21	58	118	103	1	14	2	-	-	-	-				
MANUFACTURING -----	70	40.0	147.50	145.50	141.50-153.00	-	-	-	-	-	-	-	-	-	-	12	37	15	1	3	2	-	-	-	-				
NONMANUFACTURING -----	305	39.0	139.00	144.00	129.50-152.00	-	-	-	-	-	1	5	11	41	21	46	81	88	-	11	-	-	-	-	-				
WHOLESALE TRADE -----	185	38.5	143.00	146.50	133.50-151.50	-	-	-	-	-	-	-	-	22	1	34	68	49	-	11	-	-	-	-	-				
FINANCE <sup>4</sup> -----	63	39.0	124.00	120.00	110.00-140.00	-	-	-	-	-	1	5	10	16	9	7	4	11	-	-	-	-	-	-	-				

See footnotes at end of table.

Table A-1. Office Occupations—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																						
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	\$ 60	\$ 65	\$ 70	\$ 75	\$ 80	\$ 85	\$ 90	\$ 95	\$ 100	\$ 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220		
						and under	65	70	75	80	85	90	95	100	110	120	130	140	150	160	170	180	190	200	210	220	over	
<b>MEN - CONTINUED</b>																												
TABULATING-MACHINE OPERATORS, CLASS C -----	100	40.0	\$ 131.00	\$ 132.50	\$ 127.00-138.00	-	-	-	-	-	-	2	-	2	2	33	45	16	-	-	-	-	-	-	-	-	-	
TYPISTS, CLASS B -----	64	37.0	95.50	89.00	87.00- 93.50	-	-	-	-	-	41	11	2	2	-	5	3	-	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	60	37.0	93.50	88.50	87.00- 92.00	-	-	-	-	-	41	11	2	1	-	2	3	-	-	-	-	-	-	-	-	-	-	
<b>WOMEN</b>																												
BILLERS, MACHINE (BILLING MACHINE) -----	418	40.0	110.00	100.50	93.00-120.00	-	-	16	-	-	27	103	60	49	62	6	5	66	23	1	-	-	-	-	-	-		
MANUFACTURING -----	238	40.0	99.50	96.50	92.00-106.50	-	-	-	-	-	27	74	58	32	44	2	-	-	-	1	-	-	-	-	-	-		
NONMANUFACTURING -----	180	40.0	123.50	139.50	95.50-148.50	-	-	16	-	-	-	29	2	17	18	4	5	66	23	-	-	-	-	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	96	40.0	146.00	148.00	146.00-150.00	-	-	-	-	-	-	-	2	2	-	-	5	65	22	-	-	-	-	-	-	-		
WHOLESALE TRADE -----	59	40.0	102.00	101.00	92.50-117.00	-	-	-	-	-	-	29	-	10	16	4	-	-	-	-	-	-	-	-	-	-		
BILLERS, MACHINE (BOOKKEEPING MACHINE) -----	182	40.0	114.50	115.50	111.00-120.00	-	-	-	-	-	-	13	-	24	102	25	18	-	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	173	40.0	114.50	115.00	110.50-122.50	-	-	-	-	-	-	13	-	24	93	25	18	-	-	-	-	-	-	-	-	-		
BOOKKEEPING-MACHINE OPERATORS, CLASS A -----	622	40.0	124.00	122.00	115.00-133.50	-	-	-	-	-	-	2	2	50	223	125	134	63	13	10	-	-	-	-	-	-		
MANUFACTURING -----	285	40.0	122.50	121.50	116.00-131.00	-	-	-	-	-	-	-	-	11	118	75	52	29	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	337	39.5	125.00	122.50	113.50-136.50	-	-	-	-	-	-	2	2	39	105	50	82	34	13	10	-	-	-	-	-	-		
WHOLESALE TRADE -----	93	40.0	131.50	133.00	122.00-138.00	-	-	-	-	-	-	-	-	1	21	4	51	12	4	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	77	40.0	114.50	117.00	112.50-120.50	-	-	-	-	-	-	2	2	4	48	20	1	-	-	-	-	-	-	-	-	-		
SERVICES <sup>5</sup> -----	79	38.5	118.00	114.50	111.50-123.50	-	-	-	-	-	-	-	-	8	36	26	8	-	1	-	-	-	-	-	-	-		
BOOKKEEPING-MACHINE OPERATORS, CLASS B -----	718	40.0	114.50	112.50	100.50-125.50	-	-	4	4	18	17	24	109	146	134	150	25	1	84	1	1	-	-	-	-	-		
MANUFACTURING -----	337	40.0	114.50	115.50	107.50-123.50	-	-	-	-	-	-	-	48	57	100	127	3	-	1	1	-	-	-	-	-	-		
NONMANUFACTURING -----	381	39.5	114.50	107.00	97.50-133.00	-	-	4	4	18	17	24	61	89	34	23	22	1	83	-	1	-	-	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	95	40.0	146.00	152.00	150.50-153.50	-	-	-	-	-	-	-	-	-	10	-	10	-	75	-	-	-	-	-	-	-		
WHOLESALE TRADE -----	110	39.5	110.00	106.50	100.50-116.50	-	-	-	-	-	-	-	25	45	16	12	12	-	-	-	-	-	-	-	-	-		
RETAIL TRADE -----	96	40.0	101.00	96.50	87.00-108.00	-	-	-	-	18	14	14	8	26	3	5	-	1	7	-	-	-	-	-	-	-		
CLERKS, ACCOUNTING, CLASS A -----	5,077	39.5	129.00	128.50	117.00-142.00	-	-	-	-	-	1	47	151	556	849	1131	886	950	258	132	35	44	28	8	1	-		
MANUFACTURING -----	2,286	40.0	130.50	130.50	119.00-143.00	-	-	-	-	-	-	5	55	146	431	483	398	672	21	32	4	37	1	-	1	-		
NONMANUFACTURING -----	2,791	39.5	128.00	127.50	114.50-139.50	-	-	-	-	-	1	42	96	410	418	648	488	278	237	100	31	7	27	8	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	271	39.5	137.00	135.00	125.50-147.50	-	-	-	-	-	-	-	-	24	16	43	65	69	39	4	6	1	4	-	-	-		
WHOLESALE TRADE -----	471	39.5	129.00	128.00	119.00-138.00	-	-	-	-	-	-	-	2	43	81	139	98	25	59	24	-	-	-	-	-	-		
RETAIL TRADE -----	588	40.0	132.00	129.50	122.50-144.00	-	-	-	-	-	-	-	8	45	78	176	89	86	83	23	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	746	39.0	115.00	115.00	103.50-127.00	-	-	-	-	-	-	39	70	217	139	181	77	23	-	-	-	-	-	-	-	-		
SERVICES <sup>5</sup> -----	560	39.0	127.00	128.50	116.00-138.50	-	-	-	-	-	1	3	16	81	93	108	147	63	48	-	-	-	-	-	-	-		
MOTION PICTURES <sup>6</sup> -----	155	40.0	164.00	163.50	152.50-179.50	-	-	-	-	-	-	-	-	-	11	1	12	12	8	49	25	6	23	8	-	-		
CLERKS, ACCOUNTING, CLASS B -----	6,378	39.5	106.00	104.00	94.00-116.50	-	8	81	89	438	410	753	761	1479	1184	434	446	186	58	43	8	-	-	-	-	-		
MANUFACTURING -----	2,192	40.0	106.00	105.00	94.50-117.00	-	-	-	16	81	130	369	288	477	455	193	162	13	3	5	-	-	-	-	-	-		
NONMANUFACTURING -----	4,186	39.5	106.00	104.00	93.00-116.50	-	8	81	73	357	280	384	473	1002	729	241	284	173	55	38	8	-	-	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	877	40.0	107.00	104.50	95.50-117.50	-	-	-	-	-	64	142	120	158	246	82	50	3	5	-	7	-	-	-	-	-		
WHOLESALE TRADE -----	1,038	39.5	106.50	103.50	90.00-122.00	-	-	75	-	147	36	54	130	174	142	75	184	17	3	1	-	-	-	-	-	-		
RETAIL TRADE -----	931	40.0	111.00	108.50	100.50-119.50	-	8	4	16	58	25	59	59	303	173	29	45	144	8	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	839	39.0	94.00	93.50	85.00-102.50	-	-	-	57	150	146	94	96	229	50	17	-	-	-	-	-	-	-	-	-	-		
SERVICES <sup>5</sup> -----	411	38.5	105.50	106.50	99.00-115.50	-	-	2	-	2	9	35	68	138	118	38	1	-	-	-	-	-	-	-	-	-		
MOTION PICTURES <sup>6</sup> -----	90	40.0	156.50	159.00	154.50-163.50	-	-	-	-	-	-	-	-	-	-	-	4	9	39	37	1	-	-	-	-	-		
CLERKS, FILE, CLASS A -----	577	39.0	101.00	97.00	84.50-111.50	-	-	20	34	101	36	77	53	110	28	36	68	11	1	2	-	-	-	-	-	-		
MANUFACTURING -----	71	40.0	130.50	134.00	128.00-138.00	-	-	-	-	-	-	-	3	5	2	12	41	8	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	506	39.0	96.50	94.00	83.50-105.00	-	-	20	34	101	36	77	50	105	26	24	27	3	1	2	-	-	-	-	-	-		
WHOLESALE TRADE -----	70	39.0	107.50	106.00	96.50-124.00	-	-	-	11	-	-	4	10	12	1	20	12	-	-	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	358	38.5	91.50	91.50	83.00-100.50	-	-	20	23	85	33	70	34	75	15	3	-	-	-	-	-	-	-	-	-	-		

See footnotes at end of table.





Table A-1. Office Occupations—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																							
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	\$ 60	\$ 65	\$ 70	\$ 75	\$ 80	\$ 85	\$ 90	\$ 95	\$ 100	\$ 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220			
						and under	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOMEN - CONTINUED																													
OFFICE GIRLS -----	686	39.5	88.50	86.50	81.00-94.00	-	23	70	52	160	132	95	39	61	7	44	3	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	257	40.0	93.00	89.00	83.00-105.50	-	5	11	14	59	50	34	16	28	2	35	3	-	-	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	429	39.5	85.50	85.00	79.00-92.00	-	18	59	38	101	82	61	23	33	5	9	-	-	-	-	-	-	-	-	-	-	-	-	
WHOLESALE TRADE -----	86	40.0	88.00	90.00	83.00-93.00	-	-	-	11	19	14	33	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RETAIL TRADE -----	69	40.0	82.50	76.00	70.00-89.50	-	18	16	5	7	7	3	1	1	2	9	-	-	-	-	-	-	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	201	39.0	84.00	84.00	80.50-89.00	-	-	27	19	65	51	12	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	52	40.0	85.00	87.00	74.00-94.00	-	-	16	3	6	4	13	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SECRETARIES <sup>7</sup> -----	26,043	39.5	140.50	139.50	125.00-155.00	-	-	-	-	-	31	78	177	1274	2770	4322	4659	3811	4374	2551	1163	419	209	102	64	39	-	-	
MANUFACTURING -----	12,303	40.0	143.50	144.00	129.00-156.50	-	-	-	-	-	-	9	27	295	1079	1811	2042	1928	2799	1480	548	155	53	24	40	13	-	-	
NONMANUFACTURING -----	13,740	39.5	137.50	134.50	122.00-152.50	-	-	-	-	-	31	69	150	979	1691	2511	2617	1883	1575	1071	615	264	156	78	24	26	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	1,381	39.0	149.00	150.00	132.00-163.00	-	-	-	-	-	-	-	3	35	78	188	192	198	304	102	149	72	31	21	8	-	-	-	
WHOLESALE TRADE -----	1,801	39.5	139.50	139.50	123.00-155.50	-	-	-	-	-	-	48	-	141	166	247	310	257	272	228	73	23	25	6	2	3	-	-	
RETAIL TRADE -----	678	40.0	136.00	133.50	123.00-151.00	-	-	-	-	-	-	6	-	36	73	169	150	68	64	49	42	8	13	-	-	-	-	-	
FINANCE <sup>4</sup> -----	4,977	39.5	130.00	129.00	118.00-140.50	-	-	-	-	-	22	58	73	497	889	1052	1100	628	257	236	110	42	4	7	2	-	-	-	
SERVICES <sup>5</sup> -----	4,250	39.5	137.50	135.50	123.00-151.00	-	-	-	-	-	9	11	20	270	474	843	844	655	513	313	144	87	50	15	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	653	40.0	166.00	164.00	152.50-177.50	-	-	-	-	-	-	-	-	-	11	12	21	77	165	143	97	32	33	29	12	21	-	-	
SECRETARIES, CLASS A -----	1,284	39.5	167.50	167.00	155.00-176.50	-	-	-	-	-	-	-	-	-	14	31	131	60	135	482	155	86	82	46	46	16	-	-	
MANUFACTURING -----	680	40.0	172.00	168.50	165.50-177.00	-	-	-	-	-	-	-	-	-	10	-	35	-	29	363	106	34	41	21	35	6	-	-	
NONMANUFACTURING -----	604	39.5	162.00	160.50	146.00-175.00	-	-	-	-	-	-	-	-	-	4	31	96	60	106	119	49	52	41	25	11	10	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	49	40.0	189.00	195.00	173.00-207.50	-	-	-	-	-	-	-	-	-	-	-	-	2	-	15	5	9	8	8	-	-	-	-	
WHOLESALE TRADE -----	125	39.5	162.50	159.00	152.00-167.00	-	-	-	-	-	-	-	-	-	-	-	11	13	44	40	-	2	11	-	1	3	-	-	
RETAIL TRADE -----	113	40.0	149.00	150.00	134.50-163.00	-	-	-	-	-	-	-	-	-	4	-	52	-	25	9	8	2	13	-	-	-	-	-	
FINANCE <sup>4</sup> -----	203	39.0	164.00	163.50	149.00-178.50	-	-	-	-	-	-	-	-	-	-	-	17	41	23	57	18	36	4	5	2	-	-	-	
SERVICES <sup>5</sup> -----	95	39.0	153.50	141.00	129.00-175.00	-	-	-	-	-	-	-	-	-	-	-	31	16	4	14	-	8	7	4	10	-	-	-	
SECRETARIES, CLASS B -----	4,566	39.5	152.50	155.00	137.50-165.00	-	-	-	-	-	-	-	-	62	173	333	758	639	1060	665	506	184	103	43	17	23	-	-	
MANUFACTURING -----	2,102	40.0	154.50	156.50	142.50-165.00	-	-	-	-	-	-	-	-	17	43	97	289	230	747	306	284	65	10	3	4	7	-	-	
NONMANUFACTURING -----	2,464	39.5	151.00	149.00	133.50-165.00	-	-	-	-	-	-	-	-	45	130	236	469	409	313	359	222	119	93	40	13	16	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	118	39.0	175.00	174.50	160.00-190.00	-	-	-	-	-	-	-	-	-	-	-	1	12	17	15	23	21	16	13	-	-	-	-	
WHOLESALE TRADE -----	418	39.5	150.50	147.50	136.50-164.00	-	-	-	-	-	-	-	-	11	-	38	84	111	33	66	38	16	14	6	1	-	-	-	
RETAIL TRADE -----	101	40.0	136.00	132.50	125.50-151.00	-	-	-	-	-	-	-	-	8	4	36	22	6	3	11	10	1	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	1,084	39.0	143.50	142.50	131.50-158.00	-	-	-	-	-	-	-	-	6	84	136	273	196	153	165	67	2	-	2	-	-	-	-	
SERVICES <sup>5</sup> -----	641	39.5	154.50	156.00	138.00-175.00	-	-	-	-	-	-	-	-	20	42	26	89	81	103	95	64	69	46	5	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	102	40.0	193.50	193.50	177.50-213.00	-	-	-	-	-	-	-	-	-	-	-	-	3	4	7	20	10	17	14	12	15	-	-	
SECRETARIES, CLASS C -----	9,557	39.5	143.50	145.50	130.50-156.00	-	-	-	-	-	3	11	35	204	668	1416	1502	1507	2463	1169	414	140	12	12	1	-	-	-	
MANUFACTURING -----	4,689	40.0	147.00	151.00	137.50-157.50	-	-	-	-	-	-	15	-	17	204	508	573	733	1709	713	158	56	2	-	1	-	-	-	
NONMANUFACTURING -----	4,868	39.5	140.00	139.00	126.50-154.50	-	-	-	-	-	3	11	20	187	464	908	929	774	754	456	256	84	10	12	-	-	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	565	39.0	155.50	156.50	143.00-171.00	-	-	-	-	-	-	-	-	1	6	30	55	109	136	69	107	46	6	-	-	-	-	-	
WHOLESALE TRADE -----	622	39.5	142.00	146.00	127.50-159.50	-	-	-	-	-	-	15	-	59	27	75	97	72	125	114	33	5	-	-	-	-	-	-	
RETAIL TRADE -----	220	40.0	135.00	129.00	122.50-147.00	-	-	-	-	-	-	-	-	3	16	98	34	19	13	14	18	5	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	1,980	39.5	130.50	130.50	122.00-138.50	-	-	-	-	-	3	11	4	103	318	508	593	337	81	14	5	3	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	1,263	39.5	145.00	148.00	131.00-158.50	-	-	-	-	-	-	-	-	21	97	186	139	228	325	185	70	11	-	-	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	218	40.0	162.00	162.00	152.50-170.00	-	-	-	-	-	-	-	-	-	-	-	11	11	9	74	60	23	14	4	12	-	-	-	
SECRETARIES, CLASS D -----	10,587	39.5	129.00	128.00	118.00-140.00	-	-	-	-	-	28	67	142	1008	1909	2540	2262	1599	704	225	82	8	12	1	-	-	-	-	
MANUFACTURING -----	4,832	39.5	131.00	131.00	121.00-141.50	-	-	-	-	-	-	12	-	261	822	1206	1145	965	314	98	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	5,755	39.0	127.00	125.00	116.50-138.00	-	-	-	-	-	28	58	130	747	1087	1334	1117	634	390	127	82	8	12	1	-	-	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	649	38.5	135.50	133.50	122.50-151.50	-	-	-	-	-	-	-	-	3	34	72	158	136	75	151	16	4	-	-	-	-	-	-	
WHOLESALE TRADE -----	636	39.5	126.00	124.00	116.50-137.50	-	-	-	-	-	-	33	-	71	139	134	118	61	70	8	2	-	-	-	-	-	-	-	
RETAIL TRADE -----	196	40.0	127.00	128.00	115.00-141.00	-	-	-	-	-	-	6	-	25	43	33	36	37	11	5	-	-	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	1,709	39.5	117.50	118.00	108.00-126.00	-	-	-	-	-	19	47	69	388	487	408	217	54	-	-	-	20	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	2,251	39.0	128.00	128.50	119.00-138.00	-	-	-	-	-	9	11	19	229	335	600	600	342	71	33	2	-	-	-	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	314	40.0	158.00	158.50	149.00-169.50	-	-	-	-	-	-	-	-	-	11	1	10	65	87	65	54	8	12	1	-	-	-	-	

See footnotes at end of table.

Table A-1. Office Occupations—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																					
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
						60 and under	65	70	75	80	85	90	95	100	110	120	130	140	150	160	170	180	190	200	210	220	and over
WOMEN - CONTINUED																											
STENOGRAPHERS, GENERAL -----	3,098	39.5	\$ 116.00	\$ 113.50	\$ 101.50-134.00	-	-	4	9	40	49	200	340	757	509	258	744	132	54	-	2	-	-	-	-	-	
MANUFACTURING -----	1,206	40.0	124.00	129.50	115.50-137.00	-	-	-	4	-	4	54	46	133	226	144	578	21	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	1,892	39.5	110.50	105.00	99.00-119.00	-	-	4	9	36	49	146	294	624	283	114	166	111	54	-	2	-	-	-	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	398	39.5	127.50	135.00	109.00-145.00	-	-	-	-	-	1	16	40	45	41	16	104	94	41	-	-	-	-	-	-	-	
WHOLESALE TRADE -----	145	40.0	116.50	116.50	104.50-127.50	-	-	-	-	-	-	-	-	46	50	21	26	2	-	-	-	-	-	-	-	-	
RETAIL TRADE -----	110	40.0	100.50	95.50	90.50-109.00	-	-	4	-	20	-	28	26	6	10	1	9	1	5	-	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	840	39.5	102.00	102.50	96.50-108.00	-	-	-	9	16	48	95	141	388	124	19	-	-	-	-	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	313	38.0	104.50	102.50	99.00-110.50	-	-	-	-	-	-	7	87	139	58	22	-	-	-	-	-	-	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	86	40.0	135.50	133.50	126.00-142.50	-	-	8	-	-	-	-	-	-	-	35	27	14	8	-	2	-	-	-	-	-	
STENOGRAPHERS, SENIOR -----	4,330	39.5	128.50	129.50	116.00-142.00	-	-	-	4	4	4	45	88	515	759	782	513	1431	118	49	13	2	3	-	-	-	
MANUFACTURING -----	2,372	40.0	134.50	141.00	123.50-143.50	-	-	-	-	-	-	6	11	168	257	319	261	1276	59	14	1	-	-	-	-	-	
NONMANUFACTURING -----	1,958	39.5	121.50	120.00	110.50-131.00	-	-	4	4	4	39	77	347	502	463	252	155	59	35	12	2	3	-	-	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	199	40.0	120.50	114.00	105.00-138.00	-	-	-	-	-	-	14	19	28	49	26	24	22	14	3	-	-	-	-	-	-	
WHOLESALE TRADE -----	411	39.5	131.00	129.50	121.00-142.00	-	-	-	-	-	-	2	17	78	115	64	106	20	-	9	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	737	38.5	114.50	114.50	104.00-124.50	-	-	-	4	4	4	25	53	208	186	143	92	13	5	-	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	536	40.0	119.50	119.50	112.00-127.50	-	-	-	-	-	-	-	1	92	185	173	72	13	-	-	-	-	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	61	40.0	163.50	165.00	156.50-168.50	-	-	-	-	-	-	-	-	-	-	-	1	20	32	3	2	3	-	-	-	-	
SWITCHBOARD OPERATORS, CLASS A -----	1,231	39.5	120.50	119.50	107.00-138.50	-	-	-	6	27	15	64	33	212	268	190	132	261	21	2	-	-	-	-	-	-	
MANUFACTURING -----	470	40.0	128.50	130.00	114.00-142.50	-	-	-	-	-	-	3	3	36	131	64	48	180	5	-	-	-	-	-	-	-	
NONMANUFACTURING -----	761	39.0	116.00	115.00	102.00-129.50	-	-	6	27	15	61	30	176	137	126	84	81	16	2	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	97	39.0	124.50	127.00	117.50-136.50	-	-	-	-	-	-	6	-	12	11	37	22	9	-	-	-	-	-	-	-	-	
WHOLESALE TRADE -----	52	39.0	130.50	136.50	121.50-143.00	-	-	-	-	-	-	-	-	5	5	12	8	20	2	-	-	-	-	-	-	-	
RETAIL TRADE -----	81	40.0	106.50	111.00	92.00-116.50	-	-	-	11	7	7	2	10	34	2	3	5	-	-	-	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	275	39.5	107.50	106.00	101.00-116.00	-	-	-	-	8	37	13	111	71	19	16	-	-	-	-	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	144	39.0	107.50	104.00	96.00-123.00	-	-	6	16	-	11	15	35	13	35	10	3	-	-	-	-	-	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	112	39.5	139.00	141.50	130.50-148.00	-	-	-	-	-	-	-	-	3	3	21	25	44	14	2	-	-	-	-	-	-	
SWITCHBOARD OPERATORS, CLASS B -----	1,784	39.0	96.50	97.00	82.00-108.50	-	2	357	47	109	131	186	161	394	185	144	52	16	-	-	-	-	-	-	-	-	
MANUFACTURING -----	196	40.0	113.00	114.50	102.50-124.00	-	-	-	-	-	-	5	1	58	49	26	32	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	1,588	39.0	94.50	94.00	79.00-105.50	-	2	357	47	109	126	185	136	336	136	118	20	16	-	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	126	38.5	117.50	122.00	104.00-128.00	-	-	-	-	-	-	11	15	13	19	50	8	10	-	-	-	-	-	-	-	-	
WHOLESALE TRADE -----	105	40.0	112.00	111.50	102.00-125.00	-	-	-	-	-	-	17	4	28	24	25	7	-	-	-	-	-	-	-	-	-	
RETAIL TRADE -----	236	40.0	95.00	95.00	85.00-103.50	-	-	10	4	47	16	42	11	96	7	-	1	2	-	-	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	470	39.5	96.00	97.00	89.50-103.50	-	2	5	10	26	81	69	104	138	34	1	-	-	-	-	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	647	38.5	85.50	74.50	72.50-95.00	-	-	342	33	36	29	46	2	61	52	42	4	-	-	-	-	-	-	-	-	-	
SWITCHBOARD OPERATOR-RECEPTIONISTS-----	2,100	39.5	107.00	103.50	96.00-116.50	-	-	-	-	6	128	303	385	602	243	202	132	87	12	-	-	-	-	-	-	-	
MANUFACTURING -----	962	39.5	104.50	101.00	95.00-116.00	-	-	-	-	4	60	175	223	188	147	132	32	-	1	-	-	-	-	-	-	-	
NONMANUFACTURING -----	1,138	39.5	109.50	104.50	97.50-117.50	-	-	-	2	68	128	162	614	96	70	100	87	11	-	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	74	40.0	138.00	139.00	135.50-146.00	-	-	-	-	-	-	-	1	3	-	-	38	32	-	-	-	-	-	-	-	-	
WHOLESALE TRADE -----	563	39.5	110.50	104.50	98.00-120.00	-	-	-	-	36	63	71	175	77	43	57	37	4	-	-	-	-	-	-	-	-	
RETAIL TRADE -----	77	40.0	119.00	110.00	106.50-136.00	-	-	-	-	-	-	2	38	9	7	4	17	-	-	-	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	229	38.5	102.00	100.00	96.00-106.50	-	-	-	2	19	23	70	91	4	20	-	-	-	-	-	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	186	39.5	100.00	102.00	94.00-106.50	-	-	-	-	13	42	18	107	6	-	-	-	-	-	-	-	-	-	-	-	-	
TRANSCRIBING-MACHINE OPERATORS, GENERAL -----	509	38.5	103.00	103.00	96.00-110.00	-	-	18	30	5	11	48	89	182	90	20	16	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	61	39.0	107.50	106.50	99.50-116.50	-	-	-	-	-	-	5	12	22	14	8	-	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	448	38.5	102.00	103.00	95.50-109.50	-	-	18	30	5	11	43	77	160	76	12	16	-	-	-	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	387	38.5	101.00	101.50	94.50-109.00	-	-	18	30	5	9	41	73	128	59	12	12	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-1. Office Occupations—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																					
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	\$ 60	\$ 65	\$ 70	\$ 75	\$ 80	\$ 85	\$ 90	\$ 95	\$ 100	\$ 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220	
						and under	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOMEN - CONTINUED																											
TYPISTS, CLASS A -----	2,854	39.5	\$ 108.00	\$ 105.50	\$ 96.00-118.00	-	-	32	36	27	169	385	272	849	457	287	207	116	16	-	1	-	-	-	-	-	-
MANUFACTURING -----	1,014	40.0	114.50	111.00	102.00-127.00	-	-	-	-	-	-	69	114	301	168	139	137	82	4	-	-	-	-	-	-	-	-
NONMANUFACTURING -----	1,840	39.0	104.50	103.00	93.00-114.00	-	-	32	36	27	169	316	158	548	289	148	70	34	12	-	1	-	-	-	-	-	-
PUBLIC UTILITIES <sup>3</sup> -----	115	39.5	103.50	100.00	95.00-104.00	-	-	-	-	-	1	28	30	37	7	2	3	-	7	-	-	-	-	-	-	-	-
WHOLESALE TRADE -----	186	40.0	104.50	105.50	92.00-110.00	-	-	-	-	-	34	34	-	72	22	18	6	-	-	-	-	-	-	-	-	-	-
FINANCE <sup>4</sup> -----	1,096	39.0	100.50	100.50	92.00-108.50	-	-	-	36	27	134	212	127	338	156	53	13	-	-	-	-	-	-	-	-	-	-
SERVICES <sup>5</sup> -----	334	39.0	109.00	109.50	101.00-122.00	-	-	32	-	-	-	42	1	96	70	59	29	5	-	-	-	-	-	-	-	-	-
MOTION PICTURES <sup>6</sup> -----	88	40.0	131.00	131.00	118.50-142.00	-	-	-	-	-	-	-	-	-	31	12	17	22	5	-	1	-	-	-	-	-	-
TYPISTS, CLASS B -----	6,151	39.0	97.50	94.50	87.00-104.50	-	32	191	198	762	937	1074	794	1122	316	291	415	16	3	-	-	-	-	-	-	-	
MANUFACTURING -----	2,355	40.0	106.00	102.50	94.00-118.50	-	-	-	46	78	147	390	360	568	198	239	329	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING -----	3,796	39.0	92.00	90.50	84.00- 98.50	-	32	191	152	684	790	684	434	554	118	52	86	16	3	-	-	-	-	-	-	-	-
PUBLIC UTILITIES <sup>3</sup> -----	215	39.5	101.50	95.50	90.00-109.50	-	-	-	-	2	50	51	41	19	18	8	26	-	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE -----	276	39.5	95.00	96.50	83.00-104.50	-	-	59	-	17	17	30	52	79	6	4	12	-	-	-	-	-	-	-	-	-	-
RETAIL TRADE -----	204	40.0	95.50	92.00	82.50-103.50	-	-	15	2	72	4	23	24	28	5	6	25	-	-	-	-	-	-	-	-	-	-
FINANCE <sup>4</sup> -----	2,397	39.0	90.50	89.00	84.00- 95.50	-	-	37	131	528	655	427	263	260	59	28	6	-	3	-	-	-	-	-	-	-	-
SERVICES <sup>5</sup> -----	665	38.5	91.00	92.50	82.50-101.00	-	32	80	19	65	64	153	54	168	30	-	-	-	-	-	-	-	-	-	-	-	-
MOTION PICTURES <sup>6</sup> -----	39	40.0	138.00	138.00	132.00-146.00	-	-	-	-	-	-	-	-	-	-	6	17	16	-	-	-	-	-	-	-	-	-

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> The mean is computed for each job by totaling the earnings of all workers and dividing by the number of workers. The median designates position—half of the employees surveyed receive more than the rate shown; half receive less than the rate shown. The middle range is defined by 2 rates of pay; a fourth of the workers earn less than the lower of these rates and a fourth earn more than the higher rate.

<sup>3</sup> Transportation, communication, and other public utilities.

<sup>4</sup> Finance, insurance, and real estate.

<sup>5</sup> Excludes motion pictures.

<sup>6</sup> See footnote 7, table 1.

<sup>7</sup> May include workers other than those presented separately.

Table A-1a. Office Occupations—Large Establishments—Men and Women

(Average straight-time weekly hours and earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																					
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	\$																					
						65 and under	70	75	80	85	90	95	100	105	110	120	130	140	150	160	170	180	190	200	210	220	over
MEN																											
CLERKS, ACCOUNTING, CLASS A -----	247	39.5	\$ 150.00	\$ 151.00	\$ 132.50-168.50	-	-	-	-	-	-	4	9	11	15	19	18	43	52	20	22	15	12	4	3	-	
MANUFACTURING -----	81	40.0	158.50	155.00	140.00-181.00	-	-	-	-	-	-	-	-	-	7	8	5	19	3	10	9	8	8	1	3	-	
NONMANUFACTURING -----	166	39.0	146.00	150.50	128.50-159.00	-	-	-	-	-	-	4	9	11	8	11	13	24	49	10	13	7	4	3	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	39	39.5	150.00	146.50	141.00-168.00	-	-	-	-	-	-	-	-	-	2	2	4	14	5	5	6	1	-	-	-	-	
CLERKS, ACCOUNTING, CLASS B -----	97	39.5	128.50	133.50	117.00-142.50	-	-	-	1	2	8	1	6	-	12	13	23	21	6	2	2	-	-	-	-	-	
NONMANUFACTURING -----	70	39.5	129.00	138.00	114.50-144.50	-	-	-	1	2	8	1	4	-	10	2	12	20	6	2	2	-	-	-	-	-	
CLERKS, PAYROLL -----	75	39.5	155.50	153.50	146.00-173.50	-	-	-	-	-	-	-	1	-	5	3	1	22	19	4	13	3	1	2	1	-	
NONMANUFACTURING -----	64	39.5	155.00	154.00	146.00-175.50	-	-	-	-	-	-	-	1	-	5	3	1	17	17	3	10	3	1	2	1	-	
OFFICE BOYS -----	473	39.5	103.00	101.50	90.50-118.00	-	24	10	26	53	68	46	38	37	63	85	21	2	-	-	-	-	-	-	-	-	
MANUFACTURING -----	202	40.0	113.50	118.50	100.00-127.50	-	-	-	8	17	15	11	12	9	36	72	20	2	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	271	39.0	95.50	94.50	87.00-105.50	-	24	10	18	36	53	35	26	28	27	13	1	-	-	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	28	36.0	97.00	94.00	90.50-99.00	-	-	-	-	6	11	6	-	-	2	2	1	-	-	-	-	-	-	-	-	-	
FINANCE <sup>4</sup> -----	152	39.0	92.50	92.50	83.00-101.50	-	22	8	14	18	28	19	18	8	13	4	-	-	-	-	-	-	-	-	-	-	
SECRETARIES -----	51	40.0	163.00	160.00	154.00-175.00	-	-	-	-	-	-	-	-	-	-	2	3	2	19	6	13	3	-	3	-	-	
TABULATING-MACHINE OPERATORS, CLASS A -----	139	39.5	149.00	152.00	135.00-161.50	-	-	-	-	-	-	-	5	2	3	3	34	11	44	17	12	7	1	-	-		
MANUFACTURING -----	81	40.0	150.50	153.00	134.50-162.00	-	-	-	-	-	-	-	-	-	-	2	28	-	28	16	4	2	1	-	-		
NONMANUFACTURING -----	58	39.0	147.00	150.50	137.00-161.00	-	-	-	-	-	-	-	5	2	3	1	6	11	16	1	8	5	-	-	-		
TABULATING-MACHINE OPERATORS, CLASS B -----	210	39.5	139.00	142.50	129.00-152.50	-	-	-	-	-	1	5	5	6	19	21	25	63	59	1	3	2	-	-	-		
MANUFACTURING -----	70	40.0	147.50	145.50	141.50-153.00	-	-	-	-	-	-	-	-	-	-	-	12	37	15	1	3	2	-	-	-		
NONMANUFACTURING -----	140	39.5	134.50	140.00	119.50-152.00	-	-	-	-	-	1	5	5	6	19	21	13	26	44	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	63	39.0	124.00	120.00	110.00-140.00	-	-	-	-	-	1	5	5	5	16	9	7	4	11	-	-	-	-	-	-	-	
TABULATING-MACHINE OPERATORS, CLASS C -----	100	40.0	131.00	132.50	127.00-138.00	-	-	-	-	-	2	-	-	2	2	33	45	16	-	-	-	-	-	-	-	-	
WOMEN																											
BILLERS, MACHINE (BILLING MACHINE) -----	57	40.0	119.50	136.00	74.50-152.50	-	16	-	-	-	-	-	3	6	-	2	5	1	23	1	-	-	-	-	-		
NONMANUFACTURING: PUBLIC UTILITIES <sup>3</sup> -----	27	40.0	147.50	152.00	150.50-153.50	-	-	-	-	-	-	-	-	-	-	-	5	-	22	-	-	-	-	-	-		
BOOKKEEPING-MACHINE OPERATORS, CLASS A -----	70	39.5	124.00	122.50	113.00-140.00	-	-	-	-	-	2	2	4	8	14	19	4	12	5	-	-	-	-	-	-		
NONMANUFACTURING -----	51	39.0	120.50	121.00	108.00-128.00	-	-	-	-	-	2	2	4	8	8	17	2	3	5	-	-	-	-	-	-		
BOOKKEEPING-MACHINE OPERATORS, CLASS B -----	175	39.5	104.00	104.00	90.00-118.50	-	4	4	18	17	24	15	8	26	20	31	3	1	2	1	1	-	-	-	-		
MANUFACTURING -----	53	40.0	120.00	122.00	116.00-127.50	-	-	-	-	-	-	6	-	6	10	26	3	-	1	1	-	-	-	-	-		
NONMANUFACTURING -----	122	39.5	97.00	92.00	86.50-107.00	-	4	4	18	17	24	9	8	20	10	5	-	1	1	-	1	-	-	-	-		
CLERKS, ACCOUNTING, CLASS A -----	2,526	39.5	130.50	130.00	116.50-143.50	-	-	-	-	1	47	90	112	162	348	493	369	622	173	37	35	12	17	7	1	-	
MANUFACTURING -----	1,176	40.0	132.00	134.00	122.00-143.00	-	-	-	-	-	5	26	33	42	145	227	229	435	21	1	4	6	1	-	1	-	
NONMANUFACTURING -----	1,350	39.5	129.00	127.00	111.50-144.00	-	-	-	-	1	42	64	79	120	203	266	140	187	152	36	31	6	16	7	-	-	
PUBLIC UTILITIES <sup>3</sup> -----	176	39.0	143.50	143.50	132.50-154.50	-	-	-	-	-	-	-	-	5	7	23	29	58	39	4	6	1	4	-	-		
WHOLESALE TRADE -----	126	39.5	123.00	118.00	109.50-134.00	-	-	-	-	-	2	10	22	37	17	11	3	22	2	-	-	-	-	-	-		
RETAIL TRADE -----	462	40.0	134.00	130.00	125.50-147.50	-	-	-	-	-	-	-	4	25	52	156	40	86	76	23	-	-	-	-	-		
FINANCE <sup>4</sup> -----	385	39.0	110.00	108.50	100.00-119.00	-	-	-	-	-	39	57	60	55	88	52	28	6	-	-	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	123	39.5	126.00	129.50	111.50-139.50	-	-	-	-	1	3	5	5	13	19	17	31	22	7	-	-	-	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	78	40.0	172.00	173.50	155.00-190.00	-	-	-	-	-	-	-	-	-	-	1	1	12	8	7	25	5	12	7	-		

See footnotes at end of table.



Table A-1a. Office Occupations—Large Establishments—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																							
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		
						65 and under	70	75	80	85	90	95	100	105	110	120	130	140	150	160	170	180	190	200	210	220	220 over		
WOMEN - CONTINUED																													
CLERKS, ACCOUNTING, CLASS B -----	3,017	39.5	\$ 112.00	\$ 109.00	\$ 98.00-123.50	8	6	49	45	171	299	286	283	433	561	245	400	135	56	32	8	-	-	-	-	-	-		
MANUFACTURING -----	926	40.0	113.00	112.50	102.50-124.00	-	-	5	7	43	49	88	83	139	211	128	152	13	3	5	-	-	-	-	-	-	-		
NONMANUFACTURING -----	2,091	39.5	111.50	108.00	96.00-123.50	8	6	44	38	128	250	198	200	294	350	117	248	122	53	27	8	-	-	-	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	822	40.0	107.50	105.00	96.00-117.50	-	-	-	-	55	129	120	108	29	246	70	50	3	5	-	7	-	-	-	-	-	-		
RETAIL TRADE -----	622	40.0	111.50	108.00	102.00-116.00	8	4	-	15	25	59	32	30	234	67	14	31	95	8	-	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	258	39.0	92.50	92.50	85.00-100.00	-	-	44	21	42	48	39	34	10	18	2	-	-	-	-	-	-	-	-	-	-	-		
SERVICES <sup>5</sup> -----	88	39.5	109.00	110.00	99.50-123.00	-	2	-	2	6	6	7	10	12	14	28	1	-	-	-	-	-	-	-	-	-	-		
CLERKS, FILE, CLASS A -----	350	39.0	103.00	96.50	84.50-122.50	-	8	11	73	35	38	31	28	10	17	33	52	11	1	2	-	-	-	-	-	-	-		
MANUFACTURING -----	71	40.0	130.50	134.00	128.00-138.00	-	-	-	-	-	3	3	2	2	2	12	41	8	-	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	279	38.5	96.00	91.50	83.50-103.50	-	8	11	73	35	38	28	25	8	15	21	11	3	1	2	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	229	38.5	90.00	88.50	82.50- 97.00	-	8	11	73	33	38	24	21	6	15	-	-	-	-	-	-	-	-	-	-	-	-		
CLERKS, FILE, CLASS B -----	881	39.0	91.50	85.50	75.50-104.50	-	201	147	82	79	92	38	26	20	77	90	23	1	5	-	-	-	-	-	-	-	-		
MANUFACTURING -----	170	40.0	114.00	117.00	101.50-127.00	-	-	-	7	-	24	10	6	11	33	76	3	-	-	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	711	39.0	86.50	80.50	74.50- 92.50	-	201	147	75	79	68	28	20	9	44	14	20	1	5	-	-	-	-	-	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	32	40.0	121.00	131.00	110.50-134.00	-	-	-	-	-	4	3	-	1	4	2	16	1	1	-	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	611	38.5	82.00	78.50	74.00- 87.50	-	201	147	73	78	54	17	14	8	19	-	-	-	-	-	-	-	-	-	-	-	-		
CLERKS, FILE, CLASS C -----	709	39.5	90.00	86.00	77.50- 99.00	27	82	149	85	64	46	103	36	12	23	68	14	-	-	-	-	-	-	-	-	-	-		
MANUFACTURING -----	198	40.0	106.50	105.00	90.50-122.50	-	5	-	21	23	8	19	23	12	18	62	7	-	-	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	511	39.0	84.00	80.00	76.00- 93.50	27	77	149	64	41	38	84	13	-	5	6	7	-	-	-	-	-	-	-	-	-	-		
RETAIL TRADE -----	136	40.0	89.50	96.00	84.00- 98.50	20	10	2	3	-	18	7	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	324	38.5	79.00	78.00	75.50- 82.50	7	67	137	61	26	11	10	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-		
CLERKS, ORDER -----	440	39.0	122.00	136.00	103.50-138.50	6	56	4	16	2	10	6	15	10	24	31	213	20	12	2	10	3	-	-	-	-	-		
MANUFACTURING -----	133	40.0	120.50	122.00	105.50-137.00	-	-	-	13	-	10	-	10	8	17	24	40	5	3	-	-	3	-	-	-	-	-		
NONMANUFACTURING -----	307	38.5	123.00	136.50	100.00-139.00	6	56	4	3	2	-	6	5	2	7	7	173	15	9	2	10	-	-	-	-	-	-		
CLERKS, PAYROLL -----	584	39.5	128.50	130.50	112.00-147.50	-	6	-	16	5	15	12	39	36	98	58	101	72	81	28	9	5	1	2	-	-	-		
MANUFACTURING -----	232	40.0	133.50	134.00	116.00-148.50	-	-	-	-	-	3	1	9	21	45	14	47	40	25	24	1	1	-	1	-	-	-		
NONMANUFACTURING -----	352	39.5	125.50	126.00	108.00-146.50	-	-	-	16	5	12	11	30	15	53	44	54	32	56	4	8	4	1	1	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	51	39.0	139.00	142.00	128.50-151.00	-	-	-	-	-	-	-	-	-	5	9	9	13	15	-	-	-	-	-	-	-	-		
RETAIL TRADE -----	141	40.0	119.00	117.00	102.00-142.50	-	6	-	8	4	6	2	22	9	20	8	20	6	27	3	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	67	39.0	119.50	123.00	110.50-132.00	-	-	-	-	1	4	4	4	3	13	14	21	3	-	-	-	-	-	-	-	-	-		
COMPTOMETER OPERATORS -----	613	40.0	127.00	127.50	115.50-141.00	-	8	8	-	-	-	21	9	31	142	104	113	133	34	10	-	-	-	-	-	-	-		
MANUFACTURING -----	186	40.0	127.50	134.50	115.00-139.00	-	-	-	-	-	-	20	7	2	38	10	78	17	4	10	-	-	-	-	-	-	-		
NONMANUFACTURING -----	427	40.0	126.50	125.00	116.00-142.00	-	8	8	-	-	-	1	2	29	104	94	35	116	30	-	-	-	-	-	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	31	40.0	141.50	139.00	133.50-150.00	-	-	-	-	-	-	-	-	-	-	-	17	7	7	-	-	-	-	-	-	-	-		
RETAIL TRADE -----	351	40.0	125.00	124.00	115.00-141.50	-	8	8	-	-	-	1	-	25	96	77	16	97	23	-	-	-	-	-	-	-	-		
KEYPUNCH OPERATORS, CLASS A -----	2,311	39.5	129.50	129.50	118.00-141.50	-	-	-	2	5	15	22	58	122	508	456	365	642	95	20	1	-	-	-	-	-	-		
MANUFACTURING -----	1,122	40.0	131.50	134.00	120.50-142.00	-	-	-	-	-	3	1	6	44	216	203	211	437	3	-	1	-	-	-	-	-	-		
NONMANUFACTURING -----	1,189	39.5	127.00	125.50	116.00-140.50	-	-	-	2	5	15	21	52	78	292	253	154	205	92	20	-	-	-	-	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	180	39.5	135.00	131.00	121.00-154.00	-	-	-	-	-	-	1	5	6	28	47	20	11	59	3	-	-	-	-	-	-	-		
WHOLESALE TRADE -----	84	39.5	122.00	118.00	114.00-135.50	-	-	-	-	-	-	1	4	2	48	5	10	13	1	-	-	-	-	-	-	-	-		
RETAIL TRADE -----	131	40.0	132.00	139.00	125.50-143.00	-	-	-	2	6	6	-	5	5	5	25	19	48	14	1	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	606	39.5	124.00	122.50	115.50-137.00	-	-	-	2	3	9	11	35	54	157	140	75	120	-	-	-	-	-	-	-	-	-		
SERVICES <sup>5</sup> -----	140	39.0	120.00	119.50	114.00-129.00	-	-	-	-	-	2	8	11	5	54	36	25	4	-	-	-	-	-	-	-	-	-		
MOTION PICTURES <sup>6</sup> -----	48	40.0	154.00	154.50	149.00-165.50	-	-	-	-	-	-	-	-	-	-	-	5	9	18	16	-	-	-	-	-	-	-		
KEYPUNCH OPERATORS, CLASS B -----	1,998	39.5	111.50	109.00	98.50-124.50	-	-	2	15	65	195	305	279	177	353	209	332	37	28	1	-	-	-	-	-	-	-		
MANUFACTURING -----	723	40.0	119.00	118.00	106.00-132.50	-	-	-	2	-	19	37	109	86	135	93	216	11	14	1	-	-	-	-	-	-	-		
NONMANUFACTURING -----	1,275	39.5	107.50	103.50	96.00-117.50	-	-	2	13	65	176	268	170	91	218	116	116	26	14	-	-	-	-	-	-	-	-		
WHOLESALE TRADE -----	69	39.5	111.50	105.00	99.50-129.50	-	-	-	-	-	7	12	16	3	3	12	16	-	-	-	-	-	-	-	-	-	-		
RETAIL TRADE -----	254	40.0	111.00	116.00	96.50-126.50	-	-	2	6	9	38	32	17	7	53	39	51	-	-	-	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	456	39.0	100.50	100.00	93.50-108.50	-	-	-	7	53	80	87	81	50	87	11	-	-	-	-	-	-	-	-	-	-	-		
SERVICES <sup>5</sup> -----	51	40.0	104.00	104.00	95.50-112.00	-	-	-	-	3	9	7	9	7	13	2	1	-	-	-	-	-	-	-	-	-	-		
MOTION PICTURES <sup>6</sup> -----	73	40.0	140.00	141.00	131.00-148.00	-	-	-	-	-	-	-	-	-	-	17	17	25	14	-	-	-	-	-	-	-	-		

See footnotes at end of table.

Table A-1a. Office Occupations—Large Establishments—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																						
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	\$ 65	\$ 70	\$ 75	\$ 80	\$ 85	\$ 90	\$ 95	\$ 100	\$ 105	\$ 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220		
						and under	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOMEN - CONTINUED																												
OFFICE GIRLS -----	379	39.5	\$ 91.00	\$ 87.00	\$ 80.50-98.50	7	38	38	81	58	42	31	21	9	7	44	3	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING -----	160	39.5	94.50	89.00	81.50-114.00	5	11	14	34	20	22	11	2	1	2	35	3	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING -----	219	39.5	88.50	86.50	80.00-97.00	2	27	24	47	38	20	20	19	8	5	9	-	-	-	-	-	-	-	-	-	-	-	-
FINANCE <sup>4</sup> -----	127	39.5	85.00	84.50	76.50-93.50	-	27	19	21	21	12	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SECRETARIES <sup>7</sup> -----	17,281	40.0	143.50	144.00	128.00-157.50	-	-	-	-	31	24	107	230	416	1553	2445	2772	2626	3540	1959	893	361	159	88	39	38		
MANUFACTURING -----	9,231	40.0	146.00	149.50	132.50-158.00	-	-	-	-	-	9	27	40	126	664	1091	1322	1423	2578	1299	422	140	38	24	15	13		
NONMANUFACTURING -----	8,050	39.5	140.50	137.50	124.00-155.50	-	-	-	-	31	15	80	190	290	889	1354	1450	1203	962	660	471	221	121	64	24	25		
PUBLIC UTILITIES <sup>3</sup> -----	1,215	39.0	150.00	151.50	132.00-165.00	-	-	-	-	-	-	3	11	24	78	144	180	145	271	97	130	72	31	21	8	-		
WHOLESALE TRADE -----	402	40.0	149.50	147.00	131.00-164.50	-	-	-	-	-	-	-	-	2	35	53	63	64	69	37	31	23	14	6	2	3		
RETAIL TRADE -----	499	40.0	137.50	135.00	121.50-156.00	-	-	-	-	-	-	6	17	11	69	103	82	68	39	49	34	8	13	-	-	-		
FINANCE <sup>4</sup> -----	3,018	39.5	130.00	129.00	117.50-141.00	-	-	-	-	22	14	65	138	199	513	636	634	385	178	128	65	28	4	7	2	-		
SERVICES <sup>5</sup> -----	2,423	40.0	142.00	140.50	127.50-154.50	-	-	-	-	9	1	6	24	54	194	417	481	478	292	227	118	71	37	12	-	2		
MOTION PICTURES <sup>6</sup> -----	493	40.0	169.00	166.50	155.00-178.00	-	-	-	-	-	-	-	-	-	-	1	10	63	113	122	93	19	22	18	12	20		
SECRETARIES, CLASS A -----	631	40.0	177.00	169.00	166.50-185.50	-	-	-	-	-	-	-	-	-	4	2	9	12	21	329	47	69	56	46	21	15		
MANUFACTURING -----	457	40.0	174.00	168.00	166.50-175.00	-	-	-	-	-	-	-	-	-	-	-	8	-	14	312	26	34	26	21	10	6		
NONMANUFACTURING -----	174	40.0	184.00	184.50	170.50-201.50	-	-	-	-	-	-	-	-	-	4	2	1	12	7	17	21	35	30	25	11	9		
PUBLIC UTILITIES <sup>3</sup> -----	34	40.0	198.50	199.50	189.50-210.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	5	9	8	8	-		
FINANCE <sup>4</sup> -----	79	39.5	174.00	178.50	161.00-184.00	-	-	-	-	-	-	-	-	-	-	-	-	12	7	6	18	25	4	5	2	-		
SECRETARIES, CLASS B -----	2,305	40.0	163.00	159.50	154.00-174.50	-	-	-	-	-	-	-	3	8	7	29	176	204	762	369	405	172	90	40	17	23		
MANUFACTURING -----	1,308	40.0	162.00	159.00	155.50-170.50	-	-	-	-	-	-	-	5	6	6	11	56	62	619	207	253	65	10	3	4	7		
NONMANUFACTURING -----	997	39.5	165.00	164.00	148.00-180.50	-	-	-	-	-	-	-	3	3	1	18	120	142	143	162	152	107	80	37	13	16		
PUBLIC UTILITIES <sup>3</sup> -----	84	39.0	182.00	184.50	172.00-193.50	-	-	-	-	-	-	-	-	-	-	-	1	2	4	10	17	21	16	13	-	-		
FINANCE <sup>4</sup> -----	470	39.5	151.50	151.50	140.00-163.00	-	-	-	-	-	-	-	3	3	1	10	101	105	93	108	42	2	-	2	-	-		
MOTION PICTURES <sup>6</sup> -----	88	40.0	197.50	198.00	180.00-216.00	-	-	-	-	-	-	-	-	-	-	-	-	3	-	2	17	8	17	14	12	15		
SECRETARIES, CLASS C -----	7,239	40.0	146.00	150.50	134.00-158.00	-	-	-	-	3	4	20	35	66	383	843	1051	1138	2165	1033	373	111	12	1	1	-		
MANUFACTURING -----	3,856	40.0	150.00	152.50	144.00-159.00	-	-	-	-	-	15	2	15	6	68	271	411	540	1665	682	143	41	2	-	1	-		
NONMANUFACTURING -----	3,383	39.5	142.00	141.00	128.00-156.00	-	-	-	-	3	4	5	33	51	315	572	640	598	500	351	230	70	10	1	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	503	39.0	157.50	158.50	146.00-172.00	-	-	-	-	-	-	-	-	1	6	28	43	73	124	69	107	46	6	-	-	-		
WHOLESALE TRADE -----	165	40.0	151.00	151.50	138.00-162.50	-	-	-	-	-	-	-	-	-	-	10	34	33	41	28	14	5	-	-	-			
RETAIL TRADE -----	191	40.0	137.00	132.00	123.00-153.00	-	-	-	-	-	-	-	3	-	16	69	34	19	13	14	18	5	-	-	-	-		
FINANCE <sup>4</sup> -----	1,506	39.5	130.50	130.50	121.50-139.50	-	-	-	-	3	4	4	23	46	265	373	426	265	78	14	5	-	-	-	-	-		
MOTION PICTURES <sup>6</sup> -----	130	40.0	165.50	166.50	158.00-170.00	-	-	-	-	-	-	-	-	-	-	-	-	6	38	56	22	3	4	1	-	-		
SECRETARIES, CLASS D -----	7,097	40.0	131.00	131.00	119.50-143.00	-	-	-	-	28	20	87	192	342	1153	1569	1530	1266	580	218	62	8	1	1	-	-		
MANUFACTURING -----	3,610	40.0	132.50	132.50	122.00-143.50	-	-	-	-	-	9	12	38	106	590	809	847	821	280	98	-	-	-	-	-	-		
NONMANUFACTURING -----	3,447	39.5	129.50	128.50	117.00-141.50	-	-	-	-	28	11	75	154	236	563	760	683	445	300	120	62	8	1	1	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	594	38.5	136.00	134.50	123.00-152.50	-	-	-	-	-	-	3	11	23	72	116	136	70	143	16	4	-	-	-	-	-		
WHOLESALE TRADE -----	143	40.0	130.50	128.00	120.00-140.50	-	-	-	-	-	-	-	-	2	35	43	26	21	6	8	2	-	-	-	-	-		
RETAIL TRADE -----	184	40.0	127.00	127.00	114.50-141.50	-	-	-	-	-	-	6	14	11	43	25	32	37	11	5	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	962	39.5	115.00	116.50	106.50-124.00	-	-	-	-	19	10	61	112	150	247	253	107	3	-	-	-	-	-	-	-	-	-	
SERVICES <sup>5</sup> -----	1,296	40.0	131.00	132.00	122.50-141.00	-	-	-	-	9	1	5	17	50	166	322	372	260	65	27	2	-	-	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	268	40.0	159.50	159.00	150.50-169.50	-	-	-	-	-	-	-	-	-	-	1	10	54	75	64	54	8	1	1	-	-		
STENOGRAPHERS, GENERAL -----	2,232	40.0	119.00	118.50	103.50-136.00	-	4	9	33	49	91	198	264	209	297	234	706	82	54	-	2	-	-	-	-	-		
MANUFACTURING -----	926	40.0	129.50	135.50	123.00-138.00	-	-	-	4	-	-	16	35	29	99	144	578	21	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	1,306	39.5	111.00	106.50	99.00-121.00	-	4	9	29	49	91	182	229	180	198	90	128	61	54	-	2	-	-	-	-	-		
PUBLIC UTILITIES <sup>3</sup> -----	309	39.5	126.00	134.50	107.00-142.00	-	-	-	-	1	16	34	21	14	29	16	92	45	41	-	-	-	-	-	-	-		
FINANCE <sup>4</sup> -----	698	39.5	102.50	103.00	97.00-108.50	-	-	9	9	48	66	114	175	145	113	19	-	-	-	-	-	-	-	-	-	-		
SERVICES <sup>5</sup> -----	112	39.0	104.50	103.50	98.00-112.00	-	-	-	-	-	7	34	22	13	32	4	-	-	-	-	-	-	-	-	-	-	-	
MOTION PICTURES <sup>6</sup> -----	85	40.0	135.50	133.50	126.00-142.00	-	-	-	-	-	-	-	-	-	-	35	27	13	8	-	2	-	-	-	-	-		

See footnotes at end of table.



Table A-2. Professional and Technical Occupations—Men and Women

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																									
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	Under \$ 100	\$ 100 and under	\$ 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220	\$ 230	\$ 240	\$ 250	\$ 260	\$ 270	\$ 280	\$ 290	\$ 290 and over				
MEN																															
COMPUTER OPERATORS, CLASS A -----	793	40.0	\$ 167.00	\$ 169.00	\$ 154.00-178.00	-	-	2	12	56	92	106	147	239	57	35	33	12	2	-	-	-	-	-	-	-	-	-			
MANUFACTURING -----	472	40.0	169.00	172.50	158.50-178.00	-	-	-	3	29	37	61	79	195	34	21	9	4	-	-	-	-	-	-	-	-	-				
NONMANUFACTURING -----	321	39.5	164.50	164.00	148.00-176.50	-	-	2	9	27	55	45	68	44	23	14	24	8	2	-	-	-	-	-	-	-	-				
FINANCE <sup>3</sup> -----	114	39.0	163.00	155.50	141.50-186.50	-	-	-	7	18	25	14	9	7	12	3	18	1	-	-	-	-	-	-	-	-	-				
SERVICES <sup>4</sup> -----	100	39.5	163.00	163.00	152.50-170.50	-	-	-	-	3	17	18	36	18	1	-	1	6	-	-	-	-	-	-	-	-	-				
COMPUTER OPERATORS, CLASS B -----	1,219	40.0	150.00	151.50	136.50-162.00	-	7	63	123	187	186	292	204	90	52	5	4	5	1	-	-	-	-	-	-	-	-				
MANUFACTURING -----	579	40.0	153.00	153.50	141.50-163.50	-	3	21	48	61	90	152	109	50	32	3	4	5	1	-	-	-	-	-	-	-	-				
NONMANUFACTURING -----	640	39.5	147.00	148.00	133.50-160.00	-	4	42	75	126	96	140	95	40	20	2	-	-	-	-	-	-	-	-	-	-	-				
PUBLIC UTILITIES <sup>5</sup> -----	89	40.0	157.50	157.50	151.50-164.00	-	-	-	-	14	5	41	12	10	6	1	-	-	-	-	-	-	-	-	-	-	-				
WHOLESALE TRADE -----	112	40.0	138.50	138.50	121.00-149.50	-	4	24	13	23	22	14	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-				
RETAIL TRADE -----	64	40.0	141.50	140.50	127.50-159.50	-	-	10	10	12	9	8	11	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
FINANCE <sup>3</sup> -----	139	39.0	143.00	144.50	130.00-155.50	-	-	5	30	22	29	34	12	4	3	-	-	-	-	-	-	-	-	-	-	-	-				
SERVICES <sup>4</sup> -----	215	39.5	149.00	149.50	136.00-162.00	-	-	3	22	55	29	40	43	12	11	-	-	-	-	-	-	-	-	-	-	-	-				
COMPUTER OPERATORS, CLASS C -----	474	39.5	123.50	124.50	114.50-135.50	33	65	84	129	91	48	17	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
MANUFACTURING -----	146	40.0	123.00	124.50	108.50-136.50	6	35	19	32	26	23	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
NONMANUFACTURING -----	328	39.5	123.50	124.50	116.00-135.00	27	30	65	97	65	25	14	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
FINANCE <sup>3</sup> -----	135	39.0	119.50	119.00	109.00-128.50	13	22	37	40	8	6	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SERVICES <sup>4</sup> -----	107	39.5	132.00	135.50	123.50-140.00	-	-	9	41	32	15	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
COMPUTER PROGRAMERS, BUSINESS, CLASS A -----	386	39.5	237.50	234.50	214.50-259.00	-	-	-	-	-	-	-	-	14	-	21	46	52	28	52	42	39	35	18	13	26					
MANUFACTURING -----	171	40.0	244.00	245.50	218.50-273.00	-	-	-	-	-	-	-	-	13	-	10	3	21	11	25	17	14	10	12	10	6 <sup>25</sup>					
NONMANUFACTURING -----	215	39.5	232.00	231.50	210.00-252.50	-	-	-	-	-	-	-	-	1	-	11	43	31	17	27	25	25	25	6	3	1					
WHOLESALE TRADE -----	55	40.0	220.00	209.00	207.00-231.00	-	-	-	-	-	-	-	-	-	-	34	3	4	6	-	2	3	3	3	-	-					
FINANCE <sup>3</sup> -----	85	39.5	236.50	235.00	217.50-260.00	-	-	-	-	-	-	-	-	-	-	7	4	19	6	11	8	9	19	1	1	-					
COMPUTER PROGRAMERS, BUSINESS, CLASS B -----	882	39.5	197.00	196.50	181.00-213.50	-	-	-	-	3	11	13	86	88	167	138	115	120	41	50	34	6	6	4	-	-					
MANUFACTURING -----	409	40.0	198.50	197.00	181.50-214.50	-	-	-	-	3	4	40	42	79	62	54	49	20	27	14	6	6	3	-	-	-					
NONMANUFACTURING -----	473	39.5	195.50	196.50	180.50-212.50	-	-	-	-	3	8	9	46	46	88	76	61	71	21	23	20	-	-	1	-	-					
PUBLIC UTILITIES <sup>5</sup> -----	93	40.0	186.50	184.50	171.50-204.00	-	-	-	-	-	-	20	21	17	8	14	7	2	3	1	-	-	-	-	-	-					
FINANCE <sup>3</sup> -----	225	39.0	193.00	195.50	181.00-203.50	-	-	-	-	3	4	7	11	22	57	46	29	28	1	17	-	-	-	-	-	-					
SERVICES <sup>4</sup> -----	53	38.5	201.50	210.00	183.50-218.00	-	-	-	-	-	-	6	2	8	1	10	17	7	2	-	-	-	-	-	-	-					
COMPUTER PROGRAMERS, BUSINESS, CLASS C -----	450	40.0	158.50	162.00	141.50-171.50	-	-	-	48	44	84	36	115	58	24	17	14	7	2	-	1	-	-	-	-	-					
MANUFACTURING -----	212	40.0	166.50	168.50	156.00-178.00	-	-	-	31	-	3	31	57	44	13	9	14	7	2	-	1	-	-	-	-	-					
NONMANUFACTURING -----	238	39.5	152.00	145.00	139.50-164.50	-	-	-	17	44	81	5	58	14	11	8	-	-	-	-	-	-	-	-	-	-					
FINANCE <sup>3</sup> -----	155	39.5	150.50	144.50	141.00-163.00	-	-	-	10	14	72	2	49	5	2	1	-	-	-	-	-	-	-	-	-	-					
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS A -----	1,044	40.0	274.50	270.50	253.00-292.00	-	-	-	-	-	-	-	-	-	4	2	8	4	26	100	91	110	170	203	58	268					
MANUFACTURING -----	384	40.0	292.50	287.00	264.00-301.50	-	-	-	-	-	-	-	-	-	1	1	6	-	8	19	11	37	39	46	39	177					
FINANCE <sup>3</sup> -----	67	39.5	269.50	275.50	240.00-299.00	-	-	-	-	-	-	-	-	-	1	1	-	2	2	11	3	4	8	8	-	8 <sup>27</sup>					
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS B -----	936	40.0	225.50	217.00	202.00-246.00	-	-	-	-	-	-	5	12	35	51	102	148	161	63	60	94	41	54	32	33	45					
MANUFACTURING -----	469	40.0	239.50	240.50	214.50-264.00	-	-	-	-	-	-	5	5	12	18	24	42	35	43	48	84	29	34	23	23	44					
NONMANUFACTURING -----	467	40.0	211.50	208.50	197.50-218.00	-	-	-	-	-	-	7	23	33	78	106	126	20	12	10	12	20	9	10	1	1					
FINANCE <sup>3</sup> -----	63	39.0	209.50	208.00	192.00-214.50	-	-	-	-	-	-	3	7	1	14	10	15	1	2	1	-	6	3	-	-	-					
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS C -----	232	40.0	192.00	188.00	174.00-210.50	-	-	-	-	4	13	4	28	29	44	26	26	17	19	8	10	3	-	1	-	-					
MANUFACTURING -----	154	40.0	203.00	200.50	184.00-221.50	-	-	-	-	1	-	3	21	29	22	20	17	19	8	10	3	-	1	-	-	-					
NONMANUFACTURING -----	78	39.5	170.00	168.50	159.50-182.50	-	-	-	-	4	12	4	25	8	15	4	6	-	-	-	-	-	-	-	-	-					

See footnotes at end of table.

Table A-2. Professional and Technical Occupations—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																							
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	Under \$ 100	\$ 100	\$ 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220	\$ 230	\$ 240	\$ 250	\$ 260	\$ 270	\$ 280	\$ 290	and over		
						110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	over				
<b>MEN - CONTINUED</b>																													
DRAFTSMEN, CLASS A -----	1,431	40.0	\$ 193.00	\$ 192.00	\$ 178.00-210.50	-	-	-	-	-	2	58	98	276	239	247	132	191	99	48	26	15	-	-	-	-	-	-	
MANUFACTURING -----	836	40.0	186.50	181.00	173.50-198.50	-	-	-	-	2	58	79	269	116	120	74	64	6	18	15	15	-	-	-	-	-	-	-	
NONMANUFACTURING -----	595	40.0	201.50	202.50	190.00-215.00	-	-	-	-	-	-	19	7	123	127	58	127	93	30	11	-	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>5</sup> -----	73	40.0	194.50	184.50	181.00-217.50	-	-	-	-	-	-	13	1	37	1	-	3	2	16	-	-	-	-	-	-	-	-	-	
SERVICES <sup>4</sup> -----	498	40.0	202.50	204.50	193.00-215.00	-	-	-	-	-	-	6	4	82	122	55	124	91	3	11	-	-	-	-	-	-	-	-	
DRAFTSMEN, CLASS B -----	1,583	40.0	166.00	164.00	153.50-183.50	-	-	7	60	90	190	188	396	134	217	171	128	1	1	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	1,233	40.0	166.00	163.50	154.50-183.00	-	-	7	52	70	124	172	339	91	143	119	116	-	-	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	350	40.0	167.00	171.00	148.00-184.00	-	-	-	8	20	66	16	57	43	74	52	12	1	1	-	-	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>5</sup> -----	70	40.0	179.50	185.50	167.50-196.50	-	-	-	-	13	4	-	15	7	21	10	-	-	-	-	-	-	-	-	-	-	-	-	
SERVICES <sup>4</sup> -----	222	40.0	162.00	164.00	144.00-181.50	-	-	-	8	20	34	6	56	27	51	20	-	-	-	-	-	-	-	-	-	-	-	-	
DRAFTSMEN, CLASS C -----	825	40.0	134.50	134.50	123.50-145.00	42	18	86	148	197	188	47	50	46	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	660	40.0	136.50	137.00	126.00-145.00	25	11	48	129	154	179	28	49	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	165	40.0	127.50	130.00	113.50-141.00	17	7	38	19	43	9	19	1	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
SERVICES <sup>4</sup> -----	124	40.0	118.00	120.00	111.50-132.00	17	7	38	15	40	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DRAFTSMEN-TRACERS -----	126	40.0	126.50	126.00	114.50-141.00	6	6	39	25	17	15	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	126	40.0	126.50	126.00	114.50-141.00	6	6	39	25	17	15	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>WOMEN</b>																													
COMPUTER OPERATORS, CLASS A -----	94	39.5	163.50	164.00	148.00-177.00	-	-	-	-	13	18	9	17	31	-	4	2	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	78	39.0	163.50	165.50	147.00-177.50	-	-	-	-	13	17	-	13	31	-	4	-	-	-	-	-	-	-	-	-	-	-	-	
COMPUTER OPERATORS, CLASS B -----	275	40.0	133.50	131.50	121.50-148.50	6	19	21	82	48	35	40	20	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	129	40.0	142.00	142.50	132.00-156.00	-	-	16	3	39	27	23	18	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
COMPUTER PROGRAMERS, BUSINESS, CLASS A -----	57	40.0	238.50	227.50	215.00-264.50	-	-	-	-	-	-	-	-	-	2	1	-	14	15	3	3	1	6	6	1	5	-	-	
COMPUTER PROGRAMERS, BUSINESS, CLASS B -----	181	39.5	188.00	185.00	173.00-204.00	-	-	-	-	1	16	14	43	37	21	11	15	13	7	1	2	-	-	-	-	-	-	-	
MANUFACTURING -----	88	39.5	195.50	190.50	174.00-217.00	-	-	-	-	-	-	2	30	12	11	4	10	12	4	1	2	-	-	-	-	-	-	-	
NONMANUFACTURING -----	93	39.5	181.00	183.00	163.50-193.50	-	-	-	-	1	16	12	13	25	10	7	5	1	3	-	-	-	-	-	-	-	-	-	
COMPUTER PROGRAMERS, BUSINESS, CLASS C -----	116	40.0	161.50	157.00	144.00-178.00	-	-	-	-	12	34	15	15	13	17	5	1	3	1	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	71	39.5	150.00	146.50	141.50-154.50	-	-	-	-	11	33	14	3	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS A -----	54	40.0	246.50	241.00	224.00-266.00	-	-	-	-	-	-	-	-	-	2	-	-	4	14	7	4	9	2	4	1	7	-	-	
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS B -----	78	40.0	211.00	213.00	187.50-229.50	-	-	-	-	-	-	6	5	12	5	8	15	9	5	6	4	2	1	-	-	-	-	-	
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS C -----	60	40.0	182.00	181.00	161.00-199.00	-	-	-	-	2	8	5	2	12	12	5	6	1	1	3	-	3	-	-	-	-	-	-	
DRAFTSMEN, CLASS A -----	85	40.0	185.00	183.00	178.50-193.00	-	-	-	-	-	-	7	21	24	21	9	3	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	50	40.0	181.00	179.50	176.00-191.00	-	-	-	-	-	-	7	21	7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	
DRAFTSMEN, CLASS B -----	152	40.0	164.50	161.50	150.50-182.50	-	-	-	-	21	16	37	12	23	18	10	15	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	104	40.0	169.50	162.50	153.50-190.00	-	-	-	-	4	16	31	7	9	12	10	15	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.



Table A-2. Professional and Technical Occupations—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division,\*  
Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																						
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	Under \$	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	and over	
						\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
WOMEN - CONTINUED																												
DRAFTSMEN, CLASS C -----	57	40.0	\$ 149.00	\$ 151.00	\$ 129.50-170.50	-	2	4	9	6	7	6	8	14	1	-	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	51	40.0	149.00	153.50	129.50-170.50	-	2	4	8	3	7	5	8	14	-	-	-	-	-	-	-	-	-	-	-	-	-	
NURSES, INDUSTRIAL (REGISTERED) ---	563	40.0	164.00	165.50	153.50-174.00	-	-	-	4	33	53	115	141	163	27	18	9	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	423	40.0	165.50	167.00	156.00-174.50	-	-	-	-	7	37	93	105	149	19	6	7	-	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	140	40.0	159.00	161.00	143.00-171.50	-	-	-	4	26	16	22	36	14	8	12	2	-	-	-	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>5</sup> -----	30	39.5	173.50	174.00	162.00-191.00	-	-	-	-	-	1	5	8	6	2	7	1	-	-	-	-	-	-	-	-	-	-	

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.  
<sup>2</sup> For definition of terms, see footnote 2, table A-1.  
<sup>3</sup> Finance, insurance, and real estate.  
<sup>4</sup> Excludes motion pictures.  
<sup>5</sup> Transportation, communication, and other public utilities.  
<sup>6</sup> Workers were distributed as follows: 10 at \$290 to \$300; 8 at \$300 to \$310; 4 at \$310 to \$320; and 3 at \$320 to \$330.  
<sup>7</sup> Workers were distributed as follows: 31 at \$290 to \$300; 30 at \$300 to \$310; 26 at \$310 to \$320; 28 at \$320 to \$330; 14 at \$330 to \$340; 11 at \$340 to \$350; 3 at \$350 to \$360; 8 at \$360 to \$370; 7 at \$370 to \$380; 4 at \$380 to \$390; 3 at \$390 to \$400; and 12 at \$400 and over.  
<sup>8</sup> Workers were distributed as follows: 14 at \$310 to \$320; and 13 at \$320 to \$330.

Table A-2a. Professional and Technical Occupations—Large Establishments—Men and Women

(Average straight-time weekly hours and earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Number of workers receiving straight-time weekly earnings of—																						
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	Under \$ 100	\$ 100	\$ 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220	\$ 230	\$ 240	\$ 250	\$ 260	\$ 270	\$ 280	\$ 290		
						and under	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MEN</b>																												
COMPUTER OPERATORS, CLASS A -----	688	40.0	\$ 168.00	\$ 170.00	\$ 157.00-178.00	-	-	2	12	42	48	102	139	229	51	35	20	6	2	-	-	-	-	-	-	-	-	-
MANUFACTURING -----	459	40.0	169.50	173.00	160.00-178.50	-	-	-	3	29	24	61	79	195	34	21	9	4	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	229	39.5	164.50	165.00	152.50-175.50	-	-	2	9	13	24	41	60	34	17	14	11	2	2	-	-	-	-	-	-	-	-	
FINANCE <sup>3</sup> -----	61	39.0	163.50	161.00	144.50-180.50	-	-	-	7	4	5	14	9	7	6	3	5	1	-	-	-	-	-	-	-	-	-	
SERVICES <sup>4</sup> -----	84	40.0	158.50	161.00	150.50-166.50	-	-	-	-	3	17	18	36	8	1	-	1	-	-	-	-	-	-	-	-	-	-	
COMPUTER OPERATORS, CLASS B -----	913	40.0	\$ 151.50	\$ 152.50	\$ 139.00-163.00	-	3	39	60	139	153	230	152	80	42	5	4	5	1	-	-	-	-	-	-	-	-	
MANUFACTURING -----	551	40.0	153.50	154.00	142.00-164.00	-	3	21	35	61	90	137	109	50	32	3	4	5	1	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	362	39.5	148.50	149.50	136.00-159.50	-	-	18	25	78	63	93	43	30	10	?	-	-	-	-	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>5</sup> -----	79	40.0	160.50	158.00	154.00-166.50	-	-	-	-	4	5	41	12	10	6	1	-	-	-	-	-	-	-	-	-	-	-	
FINANCE <sup>3</sup> -----	102	39.0	143.00	142.50	131.50-154.50	-	-	5	17	22	23	22	6	4	3	-	-	-	-	-	-	-	-	-	-	-	-	
SERVICES <sup>4</sup> -----	108	40.0	142.00	139.50	134.00-150.00	-	-	3	6	48	25	16	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
COMPUTER OPERATORS, CLASS C -----	337	39.5	121.00	122.00	107.00-134.50	33	63	61	76	52	38	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	146	40.0	123.00	124.50	108.50-136.50	6	35	19	32	26	23	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	191	39.5	119.50	120.00	104.50-132.00	27	28	42	44	26	15	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FINANCE <sup>3</sup> -----	109	39.0	118.00	117.00	104.50-127.00	13	22	37	14	8	6	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COMPUTER PROGRAMERS, BUSINESS, CLASS A -----	281	40.0	243.50	241.50	223.00-262.50	-	-	-	-	-	-	-	-	1	-	21	12	27	28	46	42	31	16	18	13	26		
MANUFACTURING -----	146	40.0	252.50	249.50	231.00-279.00	-	-	-	-	-	-	-	-	-	-	10	3	9	11	25	17	14	10	12	10	6 <sup>25</sup>		
NONMANUFACTURING -----	135	39.5	234.00	235.50	216.50-250.00	-	-	-	-	-	-	-	-	1	-	11	9	18	17	21	25	17	6	6	3	1		
FINANCE <sup>3</sup> -----	53	39.0	231.00	233.00	214.00-247.50	-	-	-	-	-	-	-	-	-	-	7	4	6	6	11	8	9	-	1	1	-		
COMPUTER PROGRAMERS, BUSINESS, CLASS B -----	652	40.0	197.00	196.50	180.50-213.00	-	-	-	-	3	11	13	43	88	117	88	95	94	35	34	15	6	6	4	-	-		
MANUFACTURING -----	381	40.0	200.50	198.50	182.50-216.00	-	-	-	-	3	4	27	42	64	62	54	49	20	27	14	6	6	3	-	-	-		
NONMANUFACTURING -----	271	39.5	192.00	190.50	177.00-210.50	-	-	-	-	3	8	9	16	46	53	26	41	45	15	7	1	-	-	1	-	-		
PUBLIC UTILITIES <sup>5</sup> -----	73	40.0	193.50	189.50	178.50-207.00	-	-	-	-	-	-	-	-	21	17	8	14	7	2	3	1	-	-	-	-	-		
FINANCE <sup>3</sup> -----	101	39.5	181.50	181.00	170.50-196.00	-	-	-	-	3	4	7	11	22	28	7	9	8	1	1	-	-	-	-	-	-	-	
COMPUTER PROGRAMERS, BUSINESS, CLASS C -----	237	40.0	173.00	170.50	162.50-182.50	-	-	-	-	4	8	36	66	58	24	17	14	7	2	-	1	-	-	-	-	-	-	
MANUFACTURING -----	148	40.0	176.00	173.00	165.00-187.50	-	-	-	-	3	31	24	44	13	9	14	7	2	-	1	-	-	-	-	-	-	-	
NONMANUFACTURING -----	89	40.0	168.00	167.50	162.00-176.00	-	-	-	-	4	5	5	42	14	11	8	-	-	-	-	-	-	-	-	-	-	-	
FINANCE <sup>3</sup> -----	51	40.0	162.00	164.50	161.00-168.50	-	-	-	-	4	4	2	33	5	2	1	-	-	-	-	-	-	-	-	-	-	-	
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS A -----	974	40.0	275.00	270.50	253.50-290.00	-	-	-	-	-	-	-	-	-	4	2	8	4	26	86	87	102	158	199	55	7 <sup>24</sup> 243		
MANUFACTURING -----	384	40.0	292.50	287.00	264.00-301.50	-	-	-	-	-	-	-	-	-	1	1	6	-	8	19	11	37	39	46	39	8 <sup>177</sup>		
FINANCE <sup>3</sup> -----	54	39.0	261.00	263.00	236.00-295.50	-	-	-	-	-	-	-	-	-	1	1	-	2	2	11	3	4	8	8	-	14		
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS B -----	875	40.0	225.50	217.50	202.00-247.50	-	-	-	-	-	5	12	35	51	99	121	155	57	60	81	41	54	32	27	45	-		
MANUFACTURING -----	456	40.0	239.00	239.00	213.00-265.50	-	-	-	-	-	5	5	12	18	24	42	35	43	48	71	29	34	23	23	44	-		
FINANCE <sup>3</sup> -----	63	39.0	209.50	208.00	192.00-214.50	-	-	-	-	-	-	3	7	1	14	10	15	1	2	1	-	6	3	-	-	-		
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS C -----	232	40.0	192.00	188.00	174.00-210.50	-	-	-	-	4	13	4	28	29	44	26	26	17	19	8	10	3	-	1	-	-		
MANUFACTURING -----	154	40.0	203.00	200.50	184.00-221.50	-	-	-	-	1	-	3	21	29	22	20	17	19	8	10	3	-	1	-	-	-		
NONMANUFACTURING -----	78	39.5	170.00	168.50	159.50-182.50	-	-	-	-	4	12	4	25	8	15	4	6	-	-	-	-	-	-	-	-	-		
DRAFTSMEN, CLASS A -----	754	40.0	189.50	187.00	176.50-203.00	-	-	-	-	2	20	63	208	121	133	83	92	13	19	-	-	-	-	-	-	-	-	
MANUFACTURING -----	635	40.0	186.50	184.00	175.50-197.50	-	-	-	-	2	20	59	201	101	120	59	64	6	3	-	-	-	-	-	-	-	-	
DRAFTSMEN, CLASS B -----	961	40.0	168.50	165.00	153.50-189.00	-	-	7	44	25	120	170	181	97	85	102	128	1	1	-	-	-	-	-	-	-		
MANUFACTURING -----	853	40.0	167.00	164.00	152.50-186.00	-	-	7	42	25	108	157	174	74	73	77	116	-	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	108	40.0	177.50	178.00	160.50-195.50	-	-	-	2	-	12	13	7	23	12	25	12	1	1	-	-	-	-	-	-	-		
PUBLIC UTILITIES <sup>5</sup> -----	58	40.0	186.50	191.00	175.00-198.00	-	-	-	-	1	4	-	15	7	21	10	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-2a. Professional and Technical Occupations—Large Establishments—Men and Women—Continued

(Average straight-time weekly hours and earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Sex, occupation, and industry division	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup>			Number of workers receiving straight-time weekly earnings of—																					
			Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	Under \$ 100	\$ 100 and under 110	\$ 120	\$ 130	\$ 140	\$ 150	\$ 160	\$ 170	\$ 180	\$ 190	\$ 200	\$ 210	\$ 220	\$ 230	\$ 240	\$ 250	\$ 260	\$ 270	\$ 280	\$ 290		
						110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	over		
<b>MEN - CONTINUED</b>																											
DRAFTSMEN, CLASS C -----	433	40.0	\$ 139.50	\$ 138.00	\$ 124.00-158.00	10	12	50	80	78	68	36	50	46	3	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING -----	382	40.0	138.50	137.00	123.00-157.00	10	11	48	72	68	59	28	49	37	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING -----	51	40.0	147.00	146.50	131.00-165.00	-	1	2	8	10	9	8	1	9	3	-	-	-	-	-	-	-	-	-	-	-	
DRAFTSMEN—TRACERS -----	111	40.0	128.50	128.50	117.50-143.00	6	6	24	25	17	15	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	111	40.0	128.50	128.50	117.50-143.00	6	6	24	25	17	15	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>WOMEN</b>																											
COMPUTER OPERATORS, CLASS A -----	68	40.0	170.50	175.00	161.50-178.00	-	-	-	-	-	5	9	17	31	-	4	2	-	-	-	-	-	-	-	-	-	-
MANUFACTURING -----	52	40.0	173.50	176.00	165.50-178.50	-	-	-	-	-	4	-	13	31	-	4	-	-	-	-	-	-	-	-	-	-	-
COMPUTER OPERATORS, CLASS B -----	207	40.0	133.00	124.50	121.00-150.50	6	19	8	82	17	23	28	20	2	1	-	1	-	-	-	-	-	-	-	-	-	-
MANUFACTURING -----	73	40.0	151.50	154.50	146.00-161.00	-	-	3	3	8	15	23	18	1	1	-	1	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMERS, BUSINESS, CLASS B -----	119	40.0	196.00	193.00	180.00-216.00	-	-	-	-	-	1	3	7	19	23	17	11	15	13	7	1	2	-	-	-	-	-
MANUFACTURING -----	75	40.0	199.50	194.50	180.00-225.00	-	-	-	-	-	-	2	17	12	11	4	10	12	4	1	2	-	-	-	-	-	-
COMPUTER PROGRAMERS, BUSINESS, CLASS C -----	68	40.0	174.00	173.00	162.50-187.00	-	-	-	-	3	3	7	15	13	17	5	1	3	1	-	-	-	-	-	-	-	-
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS A -----	54	40.0	246.50	241.00	224.00-266.00	-	-	-	-	-	-	-	-	-	2	-	-	4	14	7	4	9	2	4	1	7	
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS B -----	78	40.0	211.00	213.00	187.50-229.50	-	-	-	-	-	-	6	5	12	5	8	15	9	5	6	4	2	1	-	-	-	
COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS C -----	60	40.0	182.00	181.00	161.00-199.00	-	-	-	2	8	5	2	12	12	5	6	1	1	3	-	3	-	-	-	-	-	
DRAFTSMEN, CLASS B -----	109	40.0	169.50	164.00	154.00-189.00	-	-	-	4	16	31	9	9	15	10	15	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	104	40.0	169.50	162.50	153.50-190.00	-	-	-	4	16	31	7	9	12	10	15	-	-	-	-	-	-	-	-	-	-	
DRAFTSMEN, CLASS C -----	57	40.0	149.00	151.00	129.50-170.50	-	2	4	9	6	7	6	8	14	1	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	51	40.0	149.00	153.50	129.50-170.50	-	2	4	8	3	7	5	8	14	-	-	-	-	-	-	-	-	-	-	-	-	
NURSES, INDUSTRIAL (REGISTERED) -----	526	40.0	164.50	166.50	153.50-174.50	-	-	-	4	33	53	92	131	159	27	18	9	-	-	-	-	-	-	-	-	-	
MANUFACTURING -----	397	40.0	166.00	168.00	155.50-174.50	-	-	-	7	37	81	95	145	19	6	7	-	-	-	-	-	-	-	-	-	-	
NONMANUFACTURING -----	129	40.0	160.00	163.00	141.50-174.00	-	-	-	4	26	16	11	36	14	8	12	2	-	-	-	-	-	-	-	-	-	
PUBLIC UTILITIES <sup>5</sup> -----	30	39.5	173.50	174.00	162.00-191.00	-	-	-	-	1	5	8	6	2	7	1	-	-	-	-	-	-	-	-	-	-	

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> For definition of terms, see footnote 2, table A-1.

<sup>3</sup> Finance, insurance, and real estate.

<sup>4</sup> Excludes motion pictures.

<sup>5</sup> Transportation, communication, and other public utilities.

<sup>6</sup> Workers were distributed as follows: 10 at \$290 to \$300; 8 at \$300 to \$310; 4 at \$310 to \$320; and 3 at \$320 to \$330.

<sup>7</sup> Workers were distributed as follows: 54 at \$290 to \$300; 49 at \$300 to \$310; 40 at \$310 to \$320; 31 at \$320 to \$330; 19 at \$330 to \$340; 12 at \$340 to \$350; 4 at \$350 to \$360; 8 at \$360 to \$370; 7 at \$370 to \$380; 4 at \$380 to \$390; 3 at \$390 to \$400; and 12 at \$400 and over.

<sup>8</sup> Workers were distributed as follows: 31 at \$290 to \$300; 30 at \$300 to \$310; 26 at \$310 to \$320; 28 at \$320 to \$330; 14 at \$330 to \$340; 11 at \$340 to \$350; 3 at \$350 to \$360; 8 at \$360 to \$370; 7 at \$370 to \$380; 4 at \$380 to \$390; 3 at \$390 to \$400; and 12 at \$400 and over.

Table A-3. Office, Professional, and Technical Occupations—Men and Women Combined

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Occupation and industry division	Number of workers	Average		Occupation and industry division	Number of workers	Average		Occupation and industry division	Number of workers	Average	
		Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)
<b>OFFICE OCCUPATIONS</b>				<b>OFFICE OCCUPATIONS - CONTINUED</b>				<b>OFFICE OCCUPATIONS - CONTINUED</b>			
BILLERS, MACHINE (BILLING MACHINE) -----	767	40.0	\$ 128.00	CLERKS, FILE, CLASS C -----	1,729	39.0	\$ 84.00	SECRETARIES <sup>6</sup> -----	26,136	39.5	\$ 140.50
MANUFACTURING -----	238	40.0	99.50	MANUFACTURING -----	236	40.0	105.50	MANUFACTURING -----	12,323	40.0	143.50
NONMANUFACTURING -----				NONMANUFACTURING -----	1,493	39.0	80.50	NONMANUFACTURING -----	13,813	39.5	137.50
PUBLIC UTILITIES <sup>2</sup> -----	445	40.0	148.50	PUBLIC UTILITIES <sup>2</sup> -----	46	40.0	112.50	PUBLIC UTILITIES <sup>2</sup> -----	1,439	39.0	149.50
WHOLESALE TRADE -----	59	40.0	102.00	WHOLESALE TRADE -----	216	40.0	84.00	WHOLESALE TRADE -----	1,809	39.5	140.00
BILLERS, MACHINE (BOOKKEEPING MACHINE) -----	191	40.0	116.00	RETAIL TRADE -----	136	40.0	89.50	RETAIL TRADE -----	678	40.0	136.00
NONMANUFACTURING -----	182	40.0	116.00	FINANCE <sup>3</sup> -----	1,078	38.5	77.50	FINANCE <sup>3</sup> -----	4,981	39.5	130.00
BOOKKEEPING-MACHINE OPERATORS, CLASS A -----	628	40.0	124.00	CLERKS, ORDER -----	3,049	39.5	130.00	SERVICES <sup>4</sup> -----	4,250	39.5	137.50
MANUFACTURING -----	288	40.0	122.50	MANUFACTURING -----	880	40.0	127.00	MOTION PICTURES <sup>5</sup> -----	656	40.0	166.00
NONMANUFACTURING -----	340	39.5	125.00	NONMANUFACTURING -----	2,169	39.5	131.00	SECRETARIES, CLASS A -----	1,300	39.5	167.50
WHOLESALE TRADE -----	93	40.0	131.50	WHOLESALE TRADE -----	2,043	39.5	133.00	MANUFACTURING -----	692	40.0	172.00
FINANCE <sup>3</sup> -----	80	40.0	115.00	RETAIL TRADE -----	98	40.0	84.50	NONMANUFACTURING -----	608	39.5	162.00
SERVICES <sup>4</sup> -----	79	38.5	118.00	CLERKS, PAYROLL -----	2,044	39.5	127.50	PUBLIC UTILITIES <sup>2</sup> -----	49	40.0	189.00
BOOKKEEPING-MACHINE OPERATORS, CLASS B -----	724	40.0	114.50	MANUFACTURING -----	850	39.5	123.50	WHOLESALE TRADE -----	129	39.5	162.50
MANUFACTURING -----	337	40.0	114.50	NONMANUFACTURING -----	1,194	39.5	130.50	RETAIL TRADE -----	113	40.0	149.00
NONMANUFACTURING -----	387	39.5	114.50	PUBLIC UTILITIES <sup>2</sup> -----	230	39.5	144.50	FINANCE <sup>3</sup> -----	203	39.0	164.00
PUBLIC UTILITIES <sup>2</sup> -----	95	40.0	146.00	WHOLESALE TRADE -----	208	39.0	134.00	SERVICES <sup>4</sup> -----	95	39.0	153.50
WHOLESALE TRADE -----	116	39.5	109.50	RETAIL TRADE -----	255	40.0	119.00	SECRETARIES, CLASS B -----	4,576	39.5	152.50
RETAIL TRADE -----	96	40.0	101.00	FINANCE <sup>3</sup> -----	198	38.5	115.50	MANUFACTURING -----	2,104	40.0	154.50
CLERKS, ACCOUNTING, CLASS A -----	5,554	39.5	130.50	SERVICES <sup>4</sup> -----	198	38.5	117.50	NONMANUFACTURING -----	2,472	39.5	151.00
MANUFACTURING -----	2,417	40.0	131.50	MOTION PICTURES <sup>5</sup> -----	105	40.0	175.00	PUBLIC UTILITIES <sup>2</sup> -----	119	39.0	175.00
NONMANUFACTURING -----	3,137	39.5	129.50	COMPTOMETER OPERATORS -----	975	40.0	123.00	WHOLESALE TRADE -----	419	39.5	151.00
PUBLIC UTILITIES <sup>2</sup> -----	348	39.5	139.50	MANUFACTURING -----	201	40.0	128.50	RETAIL TRADE -----	101	40.0	136.00
WHOLESALE TRADE -----	570	39.5	132.50	NONMANUFACTURING -----	774	39.5	121.50	FINANCE <sup>3</sup> -----	1,088	39.0	143.50
RETAIL TRADE -----	602	40.0	132.00	WHOLESALE TRADE -----	71	39.5	121.00	SERVICES <sup>4</sup> -----	641	39.5	154.50
FINANCE <sup>3</sup> -----	808	39.0	115.00	RETAIL TRADE -----	488	40.0	118.00	MOTION PICTURES <sup>5</sup> -----	104	40.0	193.00
SERVICES <sup>4</sup> -----	616	39.0	127.00	KEYPUNCH OPERATORS, CLASS A -----	3,649	39.5	125.50	SECRETARIES, CLASS C -----	9,621	39.5	143.50
MOTION PICTURES <sup>5</sup> -----	193	40.0	166.00	MANUFACTURING -----	1,486	40.0	129.00	MANUFACTURING -----	4,694	40.0	147.00
CLERKS, ACCOUNTING, CLASS B -----	6,578	39.5	106.50	NONMANUFACTURING -----	2,163	39.5	123.00	NONMANUFACTURING -----	4,927	39.5	140.50
MANUFACTURING -----	2,219	40.0	106.00	PUBLIC UTILITIES <sup>2</sup> -----	193	39.5	134.50	PUBLIC UTILITIES <sup>2</sup> -----	620	39.0	156.00
NONMANUFACTURING -----	4,359	39.5	106.50	WHOLESALE TRADE -----	544	40.0	119.50	WHOLESALE TRADE -----	625	39.5	142.00
PUBLIC UTILITIES <sup>2</sup> -----	915	40.0	107.50	RETAIL TRADE -----	184	40.0	129.00	RETAIL TRADE -----	220	40.0	135.00
WHOLESALE TRADE -----	1,090	39.5	107.50	FINANCE <sup>3</sup> -----	802	39.0	120.50	FINANCE <sup>3</sup> -----	1,980	39.5	130.50
RETAIL TRADE -----	943	40.0	111.00	SERVICES <sup>4</sup> -----	392	39.5	121.00	SERVICES <sup>4</sup> -----	1,263	39.5	145.00
FINANCE <sup>3</sup> -----	855	39.0	94.00	MOTION PICTURES <sup>5</sup> -----	48	40.0	154.00	MOTION PICTURES <sup>5</sup> -----	219	40.0	162.00
SERVICES <sup>4</sup> -----	426	38.5	105.50	KEYPUNCH OPERATORS, CLASS B -----	3,323	39.5	110.50	SECRETARIES, CLASS D -----	10,590	39.5	129.00
MOTION PICTURES <sup>5</sup> -----	130	40.0	152.00	MANUFACTURING -----	1,063	39.5	112.50	MANUFACTURING -----	4,833	39.5	131.00
CLERKS, FILE, CLASS A -----	596	39.0	101.50	NONMANUFACTURING -----	2,260	39.5	109.50	NONMANUFACTURING -----	5,757	39.0	127.00
MANUFACTURING -----	71	40.0	130.50	PUBLIC UTILITIES <sup>2</sup> -----	453	40.0	105.50	PUBLIC UTILITIES <sup>2</sup> -----	651	38.5	135.50
NONMANUFACTURING -----	525	39.0	97.50	WHOLESALE TRADE -----	516	39.0	119.50	WHOLESALE TRADE -----	636	39.5	126.00
WHOLESALE TRADE -----	70	39.0	107.50	RETAIL TRADE -----	379	40.0	108.00	RETAIL TRADE -----	196	40.0	127.00
FINANCE <sup>3</sup> -----	366	39.0	92.00	FINANCE <sup>3</sup> -----	629	39.0	101.00	FINANCE <sup>3</sup> -----	1,709	39.5	117.50
CLERKS, FILE, CLASS B -----	1,457	39.5	92.50	SERVICES <sup>4</sup> -----	210	39.5	108.50	SERVICES <sup>4</sup> -----	2,251	39.0	128.00
MANUFACTURING -----	225	40.0	106.00	MOTION PICTURES <sup>5</sup> -----	73	40.0	140.00	MOTION PICTURES <sup>5</sup> -----	314	40.0	158.00
NONMANUFACTURING -----	1,232	39.0	90.50	OFFICE BOYS AND GIRLS -----	1,543	39.5	93.50	STENOGRAPHERS, GENERAL -----	3,126	39.5	116.00
PUBLIC UTILITIES <sup>2</sup> -----	156	40.0	130.50	MANUFACTURING -----	466	40.0	102.00	MANUFACTURING -----	1,207	40.0	124.00
WHOLESALE TRADE -----	64	40.0	103.50	NONMANUFACTURING -----	1,077	39.0	89.50	NONMANUFACTURING -----	1,919	39.5	110.50
FINANCE <sup>3</sup> -----	771	39.0	83.00	PUBLIC UTILITIES <sup>2</sup> -----	38	37.0	94.00	WHOLESALE TRADE -----	146	40.0	116.50
				WHOLESALE TRADE -----	123	39.5	90.00	RETAIL TRADE -----	110	40.0	100.50
				RETAIL TRADE -----	87	40.0	81.00	FINANCE <sup>3</sup> -----	840	39.5	102.00
				FINANCE <sup>3</sup> -----	497	38.5	88.50	SERVICES <sup>4</sup> -----	313	38.0	104.50
				SERVICES <sup>4</sup> -----	228	39.0	90.50	MOTION PICTURES <sup>5</sup> -----	86	40.0	135.50
				MOTION PICTURES <sup>5</sup> -----	104	40.0	98.00				

See footnotes at end of table.

Table A-3. Office, Professional, and Technical Occupations—Men and Women Combined—Continued

(Average straight-time weekly hours and earnings for selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Occupation and industry division	Number of workers	Average		Occupation and industry division	Number of workers	Average		Occupation and industry division	Number of workers	Average	
		Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)
OFFICE OCCUPATIONS - CONTINUED				OFFICE OCCUPATIONS - CONTINUED				PROFESSIONAL AND TECHNICAL OCCUPATIONS - CONTINUED			
STENOGRAPHERS, SENIOR -----	4,330	39.5	\$ 128.50	TYPISTS, CLASS A -----	2,888	39.5	\$ 108.50	COMPUTER PROGRAMERS, BUSINESS, CLASS B -----	1,063	39.5	\$ 195.50
MANUFACTURING -----	2,372	40.0	134.50	MANUFACTURING -----	1,015	40.0	114.50	MANUFACTURING -----	497	40.0	198.00
NONMANUFACTURING -----	1,958	39.5	121.50	NONMANUFACTURING -----	1,873	39.0	105.00	NONMANUFACTURING -----	566	39.5	193.00
PUBLIC UTILITIES <sup>2</sup> -----	199	40.0	120.50	PUBLIC UTILITIES <sup>2</sup> -----	147	39.5	111.50	PUBLIC UTILITIES <sup>2</sup> -----	99	40.0	187.50
WHOLESALE TRADE -----	411	39.5	131.00	WHOLESALE TRADE -----	186	40.0	104.50	WHOLESALE TRADE -----	76	40.0	200.50
FINANCE <sup>3</sup> -----	737	38.5	114.50	FINANCE <sup>3</sup> -----	1,096	39.0	100.50	FINANCE <sup>3</sup> -----	254	39.0	190.50
SERVICES <sup>4</sup> -----	536	40.0	119.50	SERVICES <sup>4</sup> -----	335	39.0	109.00	SERVICES <sup>4</sup> -----	71	39.0	197.50
MOTION PICTURES <sup>5</sup> -----	61	40.0	163.50	MOTION PICTURES <sup>5</sup> -----	88	40.0	131.00				
SWITCHBOARD OPERATORS, CLASS A -----	1,233	39.5	120.50	TYPISTS, CLASS B -----	6,215	39.0	97.50	COMPUTER PROGRAMERS, BUSINESS, CLASS C -----	566	40.0	159.50
MANUFACTURING -----	470	40.0	128.50	MANUFACTURING -----	2,359	40.0	106.00	MANUFACTURING -----	257	40.0	168.50
NONMANUFACTURING -----	763	39.0	116.00	NONMANUFACTURING -----	3,856	39.0	92.00	NONMANUFACTURING -----	309	39.5	151.50
PUBLIC UTILITIES <sup>2</sup> -----	97	39.0	124.50	PUBLIC UTILITIES <sup>2</sup> -----	221	39.5	102.00	FINANCE <sup>3</sup> -----	197	39.5	150.50
WHOLESALE TRADE -----	52	39.0	130.50	WHOLESALE TRADE -----	276	39.5	95.00				
RETAIL TRADE -----	81	40.0	106.50	RETAIL TRADE -----	204	40.0	95.50	COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS A -----	1,098	40.0	273.50
FINANCE <sup>3</sup> -----	275	39.5	107.50	FINANCE <sup>3</sup> -----	2,419	38.5	90.50	MANUFACTURING -----	410	40.0	291.00
SERVICES <sup>4</sup> -----	146	39.0	107.50	SERVICES <sup>4</sup> -----	695	38.5	91.00	NONMANUFACTURING: PUBLIC UTILITIES <sup>2</sup> -----	25	40.0	274.50
MOTION PICTURES <sup>5</sup> -----	112	39.5	139.00	MOTION PICTURES <sup>5</sup> -----	41	40.0	137.50	FINANCE <sup>3</sup> -----	73	39.0	265.00
SWITCHBOARD OPERATORS, CLASS B -----	1,785	39.0	96.50	PROFESSIONAL AND TECHNICAL OCCUPATIONS				COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS B -----	1,014	40.0	224.50
MANUFACTURING -----	197	40.0	113.50	COMPUTER OPERATORS, CLASS A -----	887	39.5	167.00	MANUFACTURING -----	514	40.0	237.00
NONMANUFACTURING -----	1,588	39.0	94.50	MANUFACTURING -----	550	40.0	168.00	NONMANUFACTURING -----	500	40.0	211.50
PUBLIC UTILITIES <sup>2</sup> -----	126	38.5	117.50	NONMANUFACTURING -----	337	39.5	164.50	FINANCE <sup>3</sup> -----	69	39.0	210.00
WHOLESALE TRADE -----	105	40.0	112.00	PUBLIC UTILITIES <sup>2</sup> -----	25	40.0	178.00	COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS C -----	292	40.0	190.00
RETAIL TRADE -----	236	40.0	95.00	FINANCE <sup>3</sup> -----	114	39.0	163.00	MANUFACTURING -----	185	40.0	202.50
FINANCE <sup>3</sup> -----	470	39.5	96.00	SERVICES <sup>4</sup> -----	104	39.5	162.50	NONMANUFACTURING -----	107	39.5	168.00
SERVICES <sup>4</sup> -----	647	38.5	85.50	COMPUTER OPERATORS, CLASS B -----	1,494	40.0	147.00	DRAFTSMEN, CLASS A -----	1,516	40.0	192.50
SWITCHBOARD OPERATOR-RECEPTIONISTS- MANUFACTURING -----	2,100	39.5	107.00	MANUFACTURING -----	708	40.0	151.00	MANUFACTURING -----	886	40.0	186.50
NONMANUFACTURING -----	962	39.5	104.50	NONMANUFACTURING -----	786	39.5	143.00	NONMANUFACTURING -----	630	40.0	201.00
PUBLIC UTILITIES <sup>2</sup> -----	1,138	39.5	109.50	PUBLIC UTILITIES <sup>2</sup> -----	207	40.0	137.00	PUBLIC UTILITIES <sup>2</sup> -----	73	40.0	194.50
WHOLESALE TRADE -----	74	40.0	138.00	WHOLESALE TRADE -----	114	40.0	139.00	SERVICES <sup>4</sup> -----	533	40.0	201.50
RETAIL TRADE -----	563	39.5	110.50	RETAIL TRADE -----	70	40.0	142.00				
FINANCE <sup>3</sup> -----	77	40.0	119.00	FINANCE <sup>3</sup> -----	148	39.0	143.00	DRAFTSMEN, CLASS B -----	1,735	40.0	166.00
SERVICES <sup>4</sup> -----	229	38.5	102.00	SERVICES <sup>4</sup> -----	225	39.5	148.50	MANUFACTURING -----	1,337	40.0	166.00
TABULATING-MACHINE OPERATORS, CLASS A -----	216	39.5	155.00	COMPUTER OPERATORS, CLASS C -----	501	39.5	123.50	NONMANUFACTURING -----	398	40.0	165.50
MANUFACTURING -----	124	40.0	157.00	MANUFACTURING -----	158	40.0	124.50	PUBLIC UTILITIES <sup>2</sup> -----	70	40.0	179.50
NONMANUFACTURING -----	124	40.0	157.00	NONMANUFACTURING -----	343	39.5	123.00	SERVICES <sup>4</sup> -----	270	40.0	160.50
FINANCE <sup>3</sup> -----	92	39.0	152.00	WHOLESALE TRADE -----	58	40.0	125.50	DRAFTSMEN, CLASS C -----	882	40.0	135.50
	60	38.5	137.00	FINANCE <sup>3</sup> -----	138	39.0	119.50	MANUFACTURING -----	711	40.0	137.50
TABULATING-MACHINE OPERATORS, CLASS B -----	510	39.5	136.00	SERVICES <sup>4</sup> -----	108	40.0	132.00	NONMANUFACTURING -----	171	40.0	128.00
MANUFACTURING -----	102	40.0	145.50	COMPUTER PROGRAMERS, BUSINESS, CLASS A -----	443	39.5	237.50	SERVICES <sup>4</sup> -----	129	40.0	119.00
NONMANUFACTURING -----	408	39.0	133.50	MANUFACTURING -----	190	40.0	246.00	DRAFTSMEN-TRACERS -----	161	40.0	128.50
WHOLESALE TRADE -----	185	38.5	143.00	NONMANUFACTURING -----	253	39.5	231.00	MANUFACTURING -----	161	40.0	128.50
FINANCE <sup>3</sup> -----	75	39.0	126.00	WHOLESALE TRADE -----	67	40.0	218.50	NURSES, INDUSTRIAL (REGISTERED) -----	582	40.0	164.50
				FINANCE <sup>3</sup> -----	107	39.5	235.50	MANUFACTURING -----	434	40.0	166.00
TABULATING-MACHINE OPERATORS, CLASS C -----	110	40.0	131.00	COMPUTER PROGRAMERS, BUSINESS, CLASS B -----	443	39.5	237.50	NONMANUFACTURING -----	148	40.0	159.50
TRANSCRIBING-MACHINE OPERATORS, GENERAL -----	511	38.5	103.00	MANUFACTURING -----	190	40.0	246.00	PUBLIC UTILITIES <sup>2</sup> -----	30	39.5	173.50
MANUFACTURING -----	61	39.0	107.50	NONMANUFACTURING -----	253	39.5	231.00				
NONMANUFACTURING -----	450	38.5	102.50	WHOLESALE TRADE -----	67	40.0	218.50				
FINANCE <sup>3</sup> -----	387	38.5	101.00	FINANCE <sup>3</sup> -----	107	39.5	235.50				

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> Transportation, communication, and other public utilities.

<sup>3</sup> Finance, insurance, and real estate.

<sup>4</sup> Excludes motion pictures.

<sup>5</sup> See footnote 7, table 1.

<sup>6</sup> May include workers other than those presented separately.



Table A-3a. Office, Professional, and Technical Occupations—Large Establishments—Men and Women Combined

(Average straight-time weekly hours and earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Occupation and industry division	Number of workers	Average		Occupation and industry division	Number of workers	Average		Occupation and industry division	Number of workers	Average	
		Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)
<b>OFFICE OCCUPATIONS</b>				<b>OFFICE OCCUPATIONS - CONTINUED</b>				<b>OFFICE OCCUPATIONS - CONTINUED</b>			
BILLERS, MACHINE (BILLING MACHINE) -----	90	40.0	\$ 129.50	COMPTOMETER OPERATORS -----	613	40.0	\$ 127.00	SECRETARIES <sup>6</sup> - CONTINUED			
NONMANUFACTURING -----	81	40.0	131.00	MANUFACTURING -----	186	40.0	127.50	SECRETARIES, CLASS C -----	7,277	40.0	\$ 146.50
PUBLIC UTILITIES <sup>2</sup> -----	60	40.0	147.50	NONMANUFACTURING -----	427	40.0	126.50	MANUFACTURING -----	3,861	40.0	149.50
BOOKKEEPING-MACHINE OPERATORS, CLASS A -----	76	39.5	124.50	PUBLIC UTILITIES <sup>2</sup> -----	31	40.0	141.50	NONMANUFACTURING -----	3,416	39.5	142.50
NONMANUFACTURING -----	54	39.0	121.00	RETAIL TRADE -----	351	40.0	125.00	PUBLIC UTILITIES <sup>2</sup> -----	532	39.0	158.00
BOOKKEEPING-MACHINE OPERATORS, CLASS B -----	181	40.0	104.00	KEYPUNCH OPERATORS, CLASS A -----	2,322	39.5	129.50	WHOLESALE TRADE -----	168	40.0	151.00
MANUFACTURING -----	53	40.0	120.00	MANUFACTURING -----	1,125	40.0	131.50	RETAIL TRADE -----	191	40.0	137.00
NONMANUFACTURING -----	128	39.5	97.50	NONMANUFACTURING -----	1,197	39.5	127.00	FINANCE <sup>3</sup> -----	1,506	39.5	130.50
CLERKS, ACCOUNTING, CLASS A -----	2,773	39.5	132.00	PUBLIC UTILITIES <sup>2</sup> -----	181	39.5	135.00	MOTION PICTURES <sup>5</sup> -----	131	40.0	165.50
MANUFACTURING -----	1,257	40.0	133.50	WHOLESALE TRADE -----	85	39.5	122.50	SECRETARIES, CLASS D -----	7,060	40.0	131.00
NONMANUFACTURING -----	1,516	39.5	130.50	RETAIL TRADE -----	135	40.0	132.50	MANUFACTURING -----	3,611	40.0	132.50
PUBLIC UTILITIES <sup>2</sup> -----	215	39.5	144.50	FINANCE <sup>3</sup> -----	608	39.5	124.00	NONMANUFACTURING -----	3,449	39.5	129.50
WHOLESALE TRADE -----	176	39.5	131.50	SERVICES <sup>4</sup> -----	140	39.0	120.00	PUBLIC UTILITIES <sup>2</sup> -----	596	38.5	136.00
RETAIL TRADE -----	468	40.0	134.50	MOTION PICTURES <sup>5</sup> -----	48	40.0	154.00	WHOLESALE TRADE -----	143	40.0	130.50
FINANCE <sup>3</sup> -----	421	39.0	110.00	KEYPUNCH OPERATORS, CLASS B -----	2,004	39.5	112.00	RETAIL TRADE -----	184	40.0	127.00
SERVICES <sup>4</sup> -----	132	39.5	126.00	MANUFACTURING -----	725	40.0	119.00	FINANCE <sup>3</sup> -----	962	39.5	115.00
MOTION PICTURES <sup>5</sup> -----	104	40.0	173.50	NONMANUFACTURING -----	1,279	39.5	107.50	SERVICES <sup>4</sup> -----	1,296	40.0	131.00
CLERKS, ACCOUNTING, CLASS B -----	3,114	39.5	112.50	WHOLESALE TRADE -----	69	39.5	111.50	MOTION PICTURES <sup>5</sup> -----	268	40.0	159.50
MANUFACTURING -----	953	40.0	113.50	RETAIL TRADE -----	254	40.0	111.00	STENOGRAPHERS, GENERAL -----	2,250	40.0	119.00
NONMANUFACTURING -----	2,161	39.5	112.00	FINANCE <sup>3</sup> -----	457	39.0	100.50	MANUFACTURING -----	927	40.0	129.50
PUBLIC UTILITIES <sup>2</sup> -----	841	40.0	108.00	SERVICES <sup>4</sup> -----	51	40.0	104.00	NONMANUFACTURING -----	1,323	39.5	111.50
RETAIL TRADE -----	626	40.0	111.50	MOTION PICTURES <sup>5</sup> -----	73	40.0	140.00	FINANCE <sup>3</sup> -----	698	39.5	102.50
FINANCE <sup>3</sup> -----	264	39.0	92.50	OFFICE BOYS AND GIRLS -----	852	39.5	97.50	SERVICES <sup>4</sup> -----	112	39.0	104.50
SERVICES <sup>4</sup> -----	103	39.5	108.50	MANUFACTURING -----	362	40.0	105.00	MOTION PICTURES <sup>5</sup> -----	85	40.0	135.50
MOTION PICTURES <sup>5</sup> -----	83	40.0	156.50	NONMANUFACTURING -----	490	39.5	92.50	STENOGRAPHERS, SENIOR -----	3,609	40.0	130.50
CLERKS, FILE, CLASS A -----	369	39.0	104.00	PUBLIC UTILITIES <sup>2</sup> -----	38	37.0	94.00	MANUFACTURING -----	2,141	40.0	136.00
MANUFACTURING -----	71	40.0	130.50	FINANCE <sup>3</sup> -----	279	39.0	89.00	NONMANUFACTURING -----	1,468	39.5	122.00
NONMANUFACTURING -----	298	39.0	98.00	SERVICES <sup>4</sup> -----	52	40.0	95.50	PUBLIC UTILITIES <sup>2</sup> -----	194	40.0	119.50
FINANCE <sup>3</sup> -----	237	38.5	90.50	SECRETARIES <sup>6</sup> -----	17,332	40.0	143.50	WHOLESALE TRADE -----	223	39.5	131.00
CLERKS, FILE, CLASS B -----	897	39.0	92.00	MANUFACTURING -----	9,239	40.0	146.00	FINANCE <sup>3</sup> -----	522	39.0	116.00
MANUFACTURING -----	170	40.0	114.00	NONMANUFACTURING -----	8,093	39.5	140.50	SERVICES <sup>4</sup> -----	454	40.0	120.00
NONMANUFACTURING -----	727	39.0	87.00	PUBLIC UTILITIES <sup>2</sup> -----	1,247	39.0	150.50	MOTION PICTURES <sup>5</sup> -----	61	40.0	163.50
PUBLIC UTILITIES <sup>2</sup> -----	41	40.0	123.00	WHOLESALE TRADE -----	406	40.0	149.50	SWITCHBOARD OPERATORS, CLASS A -----	865	39.5	123.50
FINANCE <sup>3</sup> -----	614	38.5	81.50	RETAIL TRADE -----	499	40.0	137.50	MANUFACTURING -----	398	40.0	131.50
CLERKS, FILE, CLASS C -----	760	39.5	90.00	FINANCE <sup>3</sup> -----	3,022	39.5	130.00	NONMANUFACTURING -----	467	39.5	117.00
MANUFACTURING -----	216	40.0	107.00	SERVICES <sup>4</sup> -----	2,423	40.0	142.00	PUBLIC UTILITIES <sup>2</sup> -----	82	39.5	127.50
NONMANUFACTURING -----	544	39.0	83.00	MOTION PICTURES <sup>5</sup> -----	496	40.0	169.00	RETAIL TRADE -----	59	40.0	109.50
PUBLIC UTILITIES <sup>2</sup> -----	136	40.0	89.50	SECRETARIES, CLASS A -----	631	40.0	177.00	FINANCE <sup>3</sup> -----	146	40.0	104.50
RETAIL TRADE -----	356	38.5	78.50	MANUFACTURING -----	457	40.0	174.00	SERVICES <sup>4</sup> -----	68	39.0	105.00
FINANCE <sup>3</sup> -----				NONMANUFACTURING -----	174	40.0	184.00	MOTION PICTURES <sup>5</sup> -----	68	39.0	138.00
CLERKS, ORDER -----	639	39.5	134.50	PUBLIC UTILITIES <sup>2</sup> -----	34	40.0	198.50	SWITCHBOARD OPERATORS, CLASS B -----	902	39.5	101.50
MANUFACTURING -----	149	40.0	121.00	FINANCE <sup>3</sup> -----	79	39.5	174.00	MANUFACTURING -----	138	40.0	113.00
NONMANUFACTURING -----	490	39.0	138.50	SECRETARIES, CLASS B -----	2,315	40.0	163.00	NONMANUFACTURING -----	764	39.5	99.50
WHOLESALE TRADE -----	372	39.0	151.50	MANUFACTURING -----	1,310	40.0	162.00	PUBLIC UTILITIES <sup>2</sup> -----	115	38.5	117.00
CLERKS, PAYROLL -----	659	39.5	131.50	NONMANUFACTURING -----	1,005	39.5	165.00	RETAIL TRADE -----	159	40.0	93.50
MANUFACTURING -----	243	40.0	134.50	PUBLIC UTILITIES <sup>2</sup> -----	85	39.0	182.00	FINANCE <sup>3</sup> -----	285	39.5	94.50
NONMANUFACTURING -----	416	39.5	130.00	WHOLESALE TRADE -----	89	39.5	172.50	SERVICES <sup>4</sup> -----	152	39.5	94.00
PUBLIC UTILITIES <sup>2</sup> -----	61	39.0	139.00	FINANCE <sup>3</sup> -----	474	39.5	151.50	SWITCHBOARD OPERATOR-RECEPTIONISTS- MANUFACTURING -----	226	39.5	115.50
RETAIL TRADE -----	143	40.0	119.50	MOTION PICTURES <sup>5</sup> -----	90	40.0	197.00	NONMANUFACTURING -----	120	40.0	114.00
FINANCE <sup>3</sup> -----	71	39.0	119.50						106	39.5	117.50
MOTION PICTURES <sup>5</sup> -----	50	40.0	172.50								

See footnotes at end of table.

Table A-3a. Office, Professional, and Technical Occupations—Large Establishments—Men and Women Combined—Continued

(Average straight-time weekly hours and earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Occupation and industry division	Number of workers	Average		Occupation and industry division	Number of workers	Average		Occupation and industry division	Number of workers	Average	
		Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)			Weekly hours <sup>1</sup> (standard)	Weekly earnings <sup>1</sup> (standard)
OFFICE OCCUPATIONS - CONTINUED				PROFESSIONAL AND TECHNICAL OCCUPATIONS				PROFESSIONAL AND TECHNICAL OCCUPATIONS - CONTINUED			
TABULATING-MACHINE OPERATORS, CLASS A -----	172	39.5	\$ 147.50	COMPUTER OPERATORS, CLASS A -----	756	40.0	\$ 168.00	COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS A -----	1,028	40.0	\$ 273.50
MANUFACTURING -----	97	40.0	150.00	MANUFACTURING -----	511	40.0	170.00	MANUFACTURING -----	410	40.0	291.00
NONMANUFACTURING -----	75	39.0	144.50	NONMANUFACTURING -----	245	40.0	164.50	NONMANUFACTURING: PUBLIC UTILITIES <sup>2</sup> -----	25	40.0	274.50
FINANCE <sup>3</sup> -----	60	38.5	137.00	FINANCE <sup>3</sup> -----	61	39.0	163.50	FINANCE <sup>3</sup> -----	60	39.0	256.50
TABULATING-MACHINE OPERATORS, CLASS B -----	345	39.5	132.50	SERVICES <sup>4</sup> -----	88	40.0	158.50	COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS B -----	953	40.0	224.50
MANUFACTURING -----	102	40.0	145.50	COMPUTER OPERATORS, CLASS B -----	1,120	40.0	148.50	MANUFACTURING -----	501	40.0	236.50
NONMANUFACTURING -----	243	39.5	127.50	MANUFACTURING -----	624	40.0	153.50	FINANCE <sup>3</sup> -----	69	39.0	210.00
FINANCE <sup>3</sup> -----	75	39.0	126.00	NONMANUFACTURING -----	496	39.5	142.00	COMPUTER SYSTEMS ANALYSTS, BUSINESS, CLASS C -----	292	40.0	190.00
TABULATING-MACHINE OPERATORS, CLASS C -----	107	40.0	131.50	PUBLIC UTILITIES <sup>2</sup> -----	185	40.0	136.00	MANUFACTURING -----	185	40.0	202.50
TRANSCRIBING-MACHINE OPERATORS, GENERAL -----	240	39.0	105.50	FINANCE <sup>3</sup> -----	111	39.0	143.00	NONMANUFACTURING -----	107	39.5	168.00
MANUFACTURING -----	61	39.0	107.50	SERVICES <sup>4</sup> -----	118	40.0	141.50	DRAFTSMEN, CLASS A -----	789	40.0	189.00
NONMANUFACTURING -----	179	39.0	105.00	COMPUTER OPERATORS, CLASS C -----	353	39.5	121.50	MANUFACTURING -----	670	40.0	186.00
FINANCE <sup>3</sup> -----	138	38.5	103.50	MANUFACTURING -----	158	40.0	124.50	NONMANUFACTURING -----	1,070	40.0	168.50
TYPISTS, CLASS A -----	1,278	39.5	114.50	NONMANUFACTURING -----	195	39.5	119.00	MANUFACTURING -----	957	40.0	167.50
MANUFACTURING -----	508	40.0	122.50	FINANCE <sup>3</sup> -----	112	39.0	118.00	NONMANUFACTURING -----	113	40.0	177.50
NONMANUFACTURING -----	770	39.5	109.00	COMPUTER PROGRAMERS, BUSINESS, CLASS A -----	320	40.0	244.00	PUBLIC UTILITIES <sup>2</sup> -----	58	40.0	186.50
FINANCE <sup>3</sup> -----	451	39.0	103.00	MANUFACTURING -----	165	40.0	254.00	DRAFTSMEN, CLASS B -----	490	40.0	140.50
SERVICES <sup>4</sup> -----	124	40.0	118.50	NONMANUFACTURING -----	155	39.5	234.00	MANUFACTURING -----	433	40.0	140.00
MOTION PICTURES <sup>5</sup> -----	46	40.0	138.00	FINANCE <sup>3</sup> -----	69	39.5	232.00	NONMANUFACTURING -----	57	40.0	147.00
TYPISTS, CLASS B -----	3,701	39.5	101.00	COMPUTER PROGRAMERS, BUSINESS, CLASS B -----	771	40.0	197.00	DRAFTSMEN, CLASS C -----	146	40.0	130.50
MANUFACTURING -----	1,486	40.0	111.50	MANUFACTURING -----	456	40.0	200.50	MANUFACTURING -----	146	40.0	130.50
NONMANUFACTURING -----	2,215	39.5	94.00	NONMANUFACTURING -----	315	39.5	192.00	NONMANUFACTURING -----	545	40.0	165.00
PUBLIC UTILITIES <sup>2</sup> -----	172	39.5	101.00	PUBLIC UTILITIES <sup>2</sup> -----	79	40.0	194.00	MANUFACTURING -----	408	40.0	166.50
WHOLESALE TRADE -----	93	39.5	100.00	FINANCE <sup>3</sup> -----	117	39.5	181.50	NONMANUFACTURING -----	137	40.0	160.50
FINANCE <sup>3</sup> -----	1,397	39.5	91.00	COMPUTER PROGRAMERS, BUSINESS, CLASS C -----	305	40.0	173.50	PUBLIC UTILITIES <sup>2</sup> -----	30	39.5	173.50
SERVICES <sup>4</sup> -----	323	38.5	94.00	MANUFACTURING -----	193	40.0	177.00				
MOTION PICTURES <sup>5</sup> -----	41	40.0	137.50	NONMANUFACTURING -----	112	40.0	167.50				
				FINANCE <sup>3</sup> -----	67	40.0	163.00				

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.<sup>2</sup> Transportation, communication, and other public utilities.<sup>3</sup> Finance, insurance, and real estate.<sup>4</sup> Excludes motion pictures.<sup>5</sup> See footnote 7, table 1.<sup>6</sup> May include workers other than those presented separately.

Table A-4. Maintenance and Powerplant Occupations

(Average straight-time hourly earnings for men in selected occupations studied on an area basis by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Occupation and industry division	Number of workers	Hourly earnings <sup>1</sup>			Number of workers receiving straight-time hourly earnings of—																						
		Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	Under \$ 3.00	\$ 3.00 and under	\$ 3.10	\$ 3.20	\$ 3.30	\$ 3.40	\$ 3.50	\$ 3.60	\$ 3.70	\$ 3.80	\$ 3.90	\$ 4.00	\$ 4.10	\$ 4.20	\$ 4.30	\$ 4.40	\$ 4.50	\$ 4.60	\$ 4.70	\$ 4.80	\$ 5.00	\$ 5.20	\$ 5.40
					3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	5.00	5.20	5.40	over	
CARPENTERS, MAINTENANCE -----	911	4.23	4.32	3.99- 4.47	-	-	-	2	29	34	13	21	85	5	43	40	63	79	200	95	98	15	29	46	8	3	3
MANUFACTURING -----	620	4.23	4.33	4.08- 4.43	-	-	-	-	23	-	13	20	52	2	18	36	54	33	198	63	83	2	5	12	3	3	-
NONMANUFACTURING -----	291	4.23	4.26	3.79- 4.65	-	-	-	2	6	34	-	1	33	3	25	4	9	46	2	32	15	13	24	34	5	-	3
PUBLIC UTILITIES <sup>3</sup> -----	62	3.85	3.48	3.43- 4.47	-	-	-	-	6	34	-	-	-	1	1	-	-	-	-	8	6	-	1	-	5	-	
RETAIL TRADE -----	81	4.22	4.29	3.76- 4.72	-	-	-	2	-	-	-	-	31	-	2	2	-	4	-	4	-	13	23	-	-	-	
SERVICES <sup>4</sup> -----	74	4.16	4.22	4.04- 4.26	-	-	-	-	-	-	-	1	1	1	15	2	9	42	2	1	-	-	-	-	-	-	
MOTION PICTURES <sup>5</sup> -----	37	4.91	4.87	4.07- 4.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	-	3
ELECTRICIANS, MAINTENANCE -----	2,496	4.62	4.64	4.23- 5.03	-	-	-	-	-	90	4	43	21	83	172	148	191	96	179	163	133	17	351	555	129	121	
MANUFACTURING -----	2,058	4.59	4.58	4.20- 5.03	-	-	-	-	60	3	40	21	82	164	145	155	94	151	142	111	8	206	555	-	121		
NONMANUFACTURING -----	438	4.76	4.84	4.49- 5.22	-	-	-	-	30	1	3	-	1	8	3	36	2	28	21	22	9	145	-	129	-		
SERVICES <sup>4</sup> -----	76	4.50	4.43	4.25- 4.87	-	-	-	-	-	-	-	-	-	-	2	3	29	2	8	6	2	24	-	-	-		
MOTION PICTURES <sup>5</sup> -----	110	4.87	4.87	4.87- 4.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	
ENGINEERS, STATIONARY -----	1,023	4.54	4.61	4.38- 4.68	-	-	-	3	-	1	8	1	15	7	22	14	139	55	167	32	363	32	118	1	-	45	
MANUFACTURING -----	584	4.62	4.64	4.55- 4.68	-	-	-	-	-	3	-	5	3	9	13	15	32	62	9	351	-	37	-	-	-	45	
NONMANUFACTURING -----	439	4.43	4.43	4.26- 4.72	-	-	-	3	-	1	5	1	10	4	13	1	124	23	105	23	12	32	81	1	-		
RETAIL TRADE -----	64	4.57	4.69	4.45- 4.75	-	-	-	-	-	2	-	2	-	-	-	-	-	-	25	-	4	31	-	-	-		
SERVICES <sup>4</sup> -----	256	4.40	4.33	4.25- 4.53	-	-	-	-	-	2	1	5	2	-	-	114	14	47	23	-	-	-	47	1	-		
MOTION PICTURES <sup>5</sup> -----	28	4.87	4.87	4.87- 4.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-		
FIREMEN, STATIONARY BOILER -----	62	3.52	3.08	3.04- 4.15	-	38	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	6	-	-		
HELPERS, MAINTENANCE TRADES -----	708	3.45	3.46	3.40- 3.63	71	12	60	19	15	299	30	93	18	15	46	-	-	30	-	-	-	-	-	-	-		
MANUFACTURING -----	513	3.42	3.45	3.40- 3.50	52	5	37	19	14	262	16	78	-	-	-	-	30	-	-	-	-	-	-	-	-		
NONMANUFACTURING -----	195	3.52	3.58	3.19- 3.89	19	7	23	-	1	37	14	15	18	15	46	-	-	-	-	-	-	-	-	-	-		
MACHINE-TOOL OPERATORS, TOOLROOM -----	1,086	4.32	4.38	4.08- 4.59	-	-	-	3	3	9	37	24	80	41	46	37	57	40	204	104	146	59	152	44	-		
MANUFACTURING -----	1,075	4.32	4.38	4.07- 4.59	-	-	-	3	3	9	37	24	80	41	46	37	57	40	204	93	146	59	152	44	-		
MACHINISTS, MAINTENANCE -----	1,185	4.53	4.50	4.20- 5.02	-	-	-	3	-	13	60	2	21	-	37	40	119	162	76	55	127	58	32	59	179	110	32
MANUFACTURING -----	1,062	4.50	4.45	4.19- 4.99	-	-	-	-	13	60	2	13	-	36	40	119	162	61	53	124	52	31	32	179	53	32	
NONMANUFACTURING -----	123	4.84	4.89	4.57- 5.25	-	-	-	3	-	-	-	-	8	-	1	-	-	15	2	3	6	1	27	-	57		
MECHANICS, AUTOMOTIVE (MAINTENANCE) -----	2,138	4.46	4.56	4.17- 4.69	1	1	17	2	4	21	40	-	42	23	58	158	238	37	97	195	217	533	180	216	41	14	3
MANUFACTURING -----	451	4.36	4.37	4.14- 4.54	-	-	-	-	-	-	-	-	5	-	28	39	104	36	21	55	122	-	-	28	13	-	
NONMANUFACTURING -----	1,687	4.48	4.62	4.19- 4.70	1	1	17	2	4	21	40	-	37	23	30	119	134	1	76	140	95	533	180	188	28	14	3
PUBLIC UTILITIES <sup>3</sup> -----	1,278	4.56	4.65	4.45- 4.73	1	1	-	2	4	4	36	-	23	22	117	12	-	25	139	8	528	145	169	28	14		
WHOLESALE TRADE -----	145	4.42	4.52	4.31- 4.56	-	-	-	-	-	-	-	-	-	-	-	34	-	26	-	80	5	-	-	-	-		
RETAIL TRADE -----	98	3.99	4.13	3.98- 4.17	-	-	15	-	-	-	-	-	3	-	8	2	70	-	-	-	-	-	-	-	-		
SERVICES <sup>4</sup> -----	79	4.39	4.38	4.18- 4.75	-	-	2	-	-	4	-	-	-	-	-	18	1	19	-	-	-	-	35	-	-		
MECHANICS, MAINTENANCE -----	3,464	4.09	4.15	3.78- 4.42	-	6	6	4	49	9	578	63	201	139	330	146	379	169	437	486	227	233	-	1	1	-	
MANUFACTURING -----	3,169	4.10	4.16	3.78- 4.42	-	6	6	3	49	9	549	34	175	109	299	135	353	148	394	462	211	225	-	1	1	-	
NONMANUFACTURING -----	295	4.03	4.02	3.76- 4.34	-	-	1	-	-	29	29	26	30	31	11	26	21	43	24	16	8	-	-	-	-		
WHOLESALE TRADE -----	78	4.05	4.00	3.86- 4.32	-	-	-	-	-	-	-	-	11	15	14	7	9	-	20	2	-	-	-	-	-		
MILLWRIGHTS -----	125	4.75	4.89	4.82- 4.95	-	-	-	-	-	-	-	-	1	3	8	-	9	-	-	-	-	-	-	104	-		
MANUFACTURING -----	125	4.75	4.89	4.82- 4.95	-	-	-	-	-	-	-	-	1	3	8	-	9	-	-	-	-	-	-	104	-		
OILERS -----	295	3.61	3.60	3.50- 3.85	14	-	29	8	8	13	79	18	38	33	24	21	3	2	5	-	-	-	-	-	-		
MANUFACTURING -----	292	3.61	3.59	3.50- 3.84	14	-	29	8	8	13	79	18	38	33	24	20	3	-	5	-	-	-	-	-	-		
PAINTERS, MAINTENANCE -----	664	4.15	4.20	3.90- 4.29	-	-	7	5	17	13	18	36	39	32	12	16	142	182	10	1	60	9	32	20	7	6	
MANUFACTURING -----	456	4.14	4.17	3.90- 4.28	-	-	6	-	4	3	13	30	26	32	7	15	132	99	1	1	56	7	17	5	2		
NONMANUFACTURING -----	208	4.17	4.24	3.79- 4.35	-	-	1	5	13	10	5	6	13	-	5	1	10	83	9	-	4	2	15	15	5		
PUBLIC UTILITIES <sup>3</sup> -----	49	4.46	4.59	4.23- 4.85	-	-	-	1	7	-	-	-	-	-	-	-	13	-	-	4	-	12	1	5			
SERVICES <sup>4</sup> -----	81	4.18	4.24	4.22- 4.27	-	-	-	1	-	-	1	2	-	-	2	1	3	70	1	-	-	-	-	-	-		

See footnotes at end of table.





Table A-4a. Maintenance and Powerplant Occupations—Large Establishments—Continued

(Average straight-time hourly earnings for men in selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Occupation and industry division	Number of workers	Hourly earnings <sup>1</sup>			Number of workers receiving straight-time hourly earnings of—																											
		Mean <sup>2</sup>	Median <sup>2</sup>	Middle range <sup>2</sup>	Under	\$ 3.20	\$ 3.30	\$ 3.40	\$ 3.50	\$ 3.60	\$ 3.70	\$ 3.80	\$ 3.90	\$ 4.00	\$ 4.10	\$ 4.20	\$ 4.30	\$ 4.40	\$ 4.50	\$ 4.60	\$ 4.70	\$ 4.80	\$ 4.90	\$ 5.00	\$ 5.10	\$ 5.20	\$ 5.40	\$ 5.40				
					\$ and 3.20 under	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS, STATIONARY -----	463	4.50	4.49	4.32- 4.71	-	-	3	-	1	8	1	15	7	10	14	48	51	86	20	81	32	47	25	-	1	-	-	13				
MANUFACTURING -----	239	4.54	4.59	4.34- 4.69	-	-	-	-	3	-	3	-	5	3	9	13	15	32	31	9	69	-	16	21	-	-	-	13				
NONMANUFACTURING -----	224	4.45	4.46	4.29- 4.74	-	-	3	-	1	5	1	10	4	1	1	33	19	55	11	12	32	31	4	-	1	-	-					
RETAIL TRADE -----	64	4.57	4.69	4.45- 4.75	-	-	-	-	-	2	-	2	-	-	-	-	-	25	-	4	31	-	-	-	-	-	-					
SERVICES <sup>4</sup> -----	82	4.32	4.33	4.24- 4.48	-	-	-	-	2	1	5	2	-	-	-	29	10	17	11	-	-	-	4	-	1	-	-					
MOTION PICTURES <sup>5</sup> -----	25	4.87	4.87	4.87- 4.87	-	-	-	-	-	-	-	5	2	-	-	-	-	-	-	-	-	-	25	-	-	-	-					
HELPERS, MAINTENANCE TRADES -----	558	3.50	3.47	3.42- 3.63	48	6	15	299	30	81	18	15	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
MANUFACTURING -----	409	3.45	3.46	3.42- 3.50	33	6	14	262	16	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
NONMANUFACTURING -----	149	3.65	3.73	3.46- 3.92	15	-	1	37	14	3	18	15	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
MACHINE-TOOL OPERATORS, TOOLROOM -----	676	4.47	4.54	4.40- 4.72	-	3	3	9	18	5	6	15	20	25	-	7	60	104	146	59	152	2	42	-	-	-	-					
MANUFACTURING -----	665	4.47	4.55	4.39- 4.72	-	3	3	9	18	5	6	15	20	25	-	7	60	93	146	59	152	2	42	-	-	-	-					
MACHINISTS, MAINTENANCE -----	890	4.61	4.55	4.23- 5.04	-	3	-	-	-	2	8	-	37	40	88	132	64	22	107	58	32	22	8	125	-	110	32					
MANUFACTURING -----	788	4.57	4.51	4.22- 5.01	-	-	-	-	-	2	-	-	36	40	88	132	61	20	104	52	31	4	8	125	-	53	32					
NONMANUFACTURING -----	102	4.90	5.21	4.70- 5.26	-	3	-	-	-	8	-	1	-	-	-	-	3	2	3	6	1	18	-	-	-	57	-					
MECHANICS, AUTOMOTIVE (MAINTENANCE) -----	1,272	4.47	4.56	4.15- 4.77	4	2	4	4	40	-	8	11	58	85	208	37	49	75	85	183	145	204	12	28	13	14	3					
MANUFACTURING -----	307	4.33	4.22	4.13- 4.53	-	-	-	-	-	-	5	-	28	10	104	36	21	10	52	-	24	4	10	3	-	-	-					
NONMANUFACTURING -----	965	4.51	4.64	4.17- 4.79	4	2	4	4	40	-	3	11	30	75	104	1	28	65	33	183	145	180	8	18	10	14	3					
PUBLIC UTILITIES <sup>3</sup> -----	784	4.56	4.68	4.44- 4.81	2	2	4	4	36	-	-	11	22	73	12	-	7	64	8	183	145	161	8	18	10	14	-					
RETAIL TRADE -----	83	4.14	4.14	4.11- 4.17	-	-	-	-	-	-	3	-	8	2	70	-	-	-	-	-	-	-	-	-	-	-	-					
MECHANICS, MAINTENANCE -----	2,174	4.21	4.27	4.03- 4.45	12	4	49	9	4	22	113	39	256	139	335	142	323	370	213	142	-	-	1	1	-	-	-					
MANUFACTURING -----	2,055	4.21	4.28	4.03- 4.45	12	3	49	9	3	21	112	34	239	128	323	121	294	360	211	134	-	-	1	1	-	-	-					
NONMANUFACTURING -----	119	4.20	4.25	4.04- 4.37	-	1	-	-	1	1	1	5	17	11	12	21	29	10	2	8	-	-	-	-	-	-	-					
MILLWRIGHTS -----	118	4.80	4.90	4.83- 4.95	-	-	-	-	-	1	3	1	-	9	-	-	-	-	-	-	-	46	58	-	-	-	-					
MANUFACTURING -----	118	4.80	4.90	4.83- 4.95	-	-	-	-	-	1	3	1	-	9	-	-	-	-	-	-	-	46	58	-	-	-	-					
OILERS -----	263	3.62	3.60	3.51- 3.83	26	8	8	13	79	18	38	28	24	11	3	2	5	-	-	-	-	-	-	-	-	-	-					
MANUFACTURING -----	260	3.61	3.60	3.51- 3.82	26	8	8	13	79	18	38	28	24	10	3	-	5	-	-	-	-	-	-	-	-	-	-					
PAINTERS, MAINTENANCE -----	622	4.17	4.20	4.02- 4.29	7	5	17	13	18	23	27	32	10	16	142	167	10	1	60	9	32	20	-	7	-	6	-					
MANUFACTURING -----	426	4.16	4.18	4.07- 4.28	6	-	4	3	13	17	14	32	7	15	132	94	1	1	56	7	17	5	-	2	-	-	-					
NONMANUFACTURING -----	196	4.17	4.24	3.77- 4.39	1	5	13	10	5	6	13	-	3	1	10	73	9	-	4	2	15	15	-	5	-	6	-					
PUBLIC UTILITIES <sup>3</sup> -----	49	4.46	4.59	4.23- 4.85	-	-	1	7	-	-	-	-	-	-	-	-	13	-	4	-	12	1	-	5	-	6	-					
SERVICES <sup>4</sup> -----	71	4.17	4.24	4.21- 4.27	-	1	-	-	1	2	-	-	2	1	3	60	1	-	-	-	-	-	-	-	-	-	-					
PIPEFITTERS, MAINTENANCE -----	581	4.52	4.55	4.50- 4.59	-	-	-	-	-	-	4	-	36	67	15	18	-	324	16	-	57	29	-	-	1	14	-					
MANUFACTURING -----	576	4.52	4.55	4.50- 4.59	-	-	-	-	-	-	4	-	36	67	15	18	-	320	16	-	57	29	-	-	-	-	14					
PLUMBERS, MAINTENANCE -----	367	4.41	4.44	4.38- 4.49	-	-	-	11	-	3	6	4	1	10	6	30	26	199	-	38	-	33	-	-	-	-	-					
MANUFACTURING -----	290	4.41	4.44	4.40- 4.48	-	-	-	-	-	2	2	1	1	10	6	18	25	190	-	35	-	-	-	-	-	-	-					
NONMANUFACTURING -----	77	4.40	4.48	4.05- 4.84	-	-	-	11	-	1	4	3	-	-	-	-	12	1	9	-	3	-	33	-	-	-	-					
MOTION PICTURES <sup>5</sup> -----	33	4.87	4.87	4.87- 4.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-					
SHEET-METAL WORKERS, MAINTENANCE -----	118	4.38	4.40	4.31- 4.48	-	-	-	-	1	-	-	1	-	15	6	5	33	36	11	-	-	6	4	-	-	-	-					
MANUFACTURING -----	109	4.36	4.39	4.30- 4.47	-	-	-	-	-	1	-	1	-	15	5	5	33	34	11	-	-	1	4	-	-	-	-					
TOOL AND DIE MAKERS -----	1,761	4.74	4.78	4.64- 4.95	-	-	-	-	-	-	-	-	-	8	40	107	84	57	49	230	366	72	597	109	42	-	-					
MANUFACTURING -----	1,761	4.74	4.78	4.64- 4.95	-	-	-	-	-	-	-	-	-	8	40	107	84	57	49	230	366	72	597	109	42	-	-					

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.  
<sup>2</sup> For definition of terms, see footnote 2, table A-1.  
<sup>3</sup> Transportation, communication, and other public utilities.  
<sup>4</sup> Excludes motion pictures.  
<sup>5</sup> See footnote 7, table 1.



Table A-5. Custodial and Material Movement Occupations

(Average straight-time hourly earnings for selected occupations studied on an area basis by industry division, Los Angeles-Long Beach and Anaheim-Santa Ana-Garden Grove, Calif., March 1970)

Occupation <sup>1</sup> and industry division	Number of workers	Hourly earnings <sup>2</sup>			Number of workers receiving straight-time hourly earnings of—																							
		Mean <sup>3</sup>	Median <sup>3</sup>	Middle range <sup>3</sup>	Under	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	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	
					1.60 and under	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80	
GUARDS AND WATCHMEN -----	9,362	2.28	1.96	1.80- 2.50	-	864	1364	2353	174	1706	54	164	80	263	169	44	89	114	139	134	290	1008	308	45	-	-	-	-
MANUFACTURING -----	1,538	3.54	3.73	3.43- 3.79	-	-	-	1	-	26	7	14	-	11	29	9	31	63	83	80	126	774	260	24	-	-	-	-
NONMANUFACTURING -----	7,824	2.04	1.87	1.78- 2.07	-	864	1364	2352	174	1680	47	150	80	252	140	35	58	51	56	54	164	234	48	21	-	-	-	-
GUARDS: MANUFACTURING -----	1,506	3.55	3.73	3.46- 3.79	-	-	-	-	21	7	14	-	11	29	9	31	63	83	64	116	774	260	24	-	-	-	-	-
JANITORS, PORTERS, AND CLEANERS -----	14,770	2.70	2.72	2.53- 2.94	30	69	351	289	290	507	202	444	532	496	1849	1943	2467	2408	478	1498	786	54	76	1	-	-	-	-
MANUFACTURING -----	4,697	2.93	2.95	2.63- 3.35	-	55	27	7	7	73	112	211	115	262	173	396	325	910	251	1048	678	20	27	-	-	-	-	-
NONMANUFACTURING -----	10,073	2.59	2.67	2.51- 2.79	30	14	324	282	283	434	90	233	417	234	1676	1547	2142	1498	227	450	108	34	49	1	-	-	-	-
PUBLIC UTILITIES <sup>4</sup> -----	342	3.28	3.24	2.95- 3.56	-	-	-	-	-	-	-	-	1	-	6	-	1	98	59	37	74	19	47	-	-	-	-	-
WHOLESALE TRADE -----	269	2.73	2.97	2.27- 3.23	-	-	17	-	24	-	6	30	21	-	27	2	-	12	47	74	3	6	-	-	-	-	-	-
RETAIL TRADE -----	1,792	2.63	2.90	2.26- 2.96	18	-	36	30	37	231	42	90	42	178	86	48	25	725	100	63	29	9	2	1	-	-	-	-
FINANCE <sup>5</sup> -----	968	2.41	2.52	2.32- 2.60	-	-	78	6	4	65	26	28	180	51	303	142	51	28	4	-	2	-	-	-	-	-	-	-
SERVICES <sup>6</sup> -----	6,426	2.54	2.66	2.54- 2.75	12	14	193	246	218	138	16	85	173	5	1254	1355	2065	635	17	-	-	-	-	-	-	-	-	-
MOTION PICTURES <sup>7</sup> -----	276	3.33	3.31	3.31- 3.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	276	-	-	-	-	-	-	-	-
JANITORS, PORTERS, AND CLEANERS (WOMEN) -----	2,469	2.54	2.55	2.41- 2.68	-	-	2	80	43	205	34	176	60	172	949	165	217	84	37	237	6	2	-	-	-	-	-	-
MANUFACTURING -----	392	2.98	3.21	2.71- 3.34	-	-	-	-	4	-	-	2	45	22	5	17	60	30	9	198	-	-	-	-	-	-	-	-
NONMANUFACTURING -----	2,077	2.45	2.54	2.29- 2.59	-	-	2	80	39	205	34	174	15	150	944	148	157	54	28	39	6	2	-	-	-	-	-	-
PUBLIC UTILITIES <sup>4</sup> -----	41	2.90	3.04	2.45- 3.17	-	-	-	-	-	-	-	-	4	12	-	-	-	-	17	-	6	2	-	-	-	-	-	-
RETAIL TRADE -----	122	2.20	2.12	1.91- 2.57	-	-	2	27	12	17	23	6	-	1	6	1	8	17	2	-	-	-	-	-	-	-	-	-
FINANCE <sup>5</sup> -----	458	2.26	2.24	2.07- 2.41	-	-	-	1	1	156	11	164	7	52	41	-	3	4	9	9	-	-	-	-	-	-	-	-
SERVICES <sup>6</sup> -----	1,420	2.51	2.56	2.52- 2.60	-	-	-	52	26	32	-	4	-	85	895	147	146	33	-	-	-	-	-	-	-	-	-	-
MOTION PICTURES <sup>7</sup> -----	30	3.31	3.31	3.31- 3.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-
LABORERS, MATERIAL HANDLING -----	8,184	3.46	3.70	2.92- 4.03	-	20	22	-	29	102	103	91	185	330	58	641	219	539	419	193	703	740	1168	2538	54	30	-	-
MANUFACTURING -----	3,179	2.99	2.87	2.62- 3.53	-	20	20	-	49	73	65	134	298	30	626	164	491	217	45	245	270	281	67	54	30	-	-	-
NONMANUFACTURING -----	5,005	3.76	3.99	3.62- 4.06	-	-	2	-	29	53	30	26	51	32	28	15	55	48	202	148	458	470	887	2471	-	-	-	-
PUBLIC UTILITIES <sup>4</sup> -----	2,795	3.96	4.04	4.00- 4.08	-	-	-	-	-	-	-	-	33	30	8	6	20	26	48	11	75	58	318	2162	-	-	-	-
WHOLESALE TRADE -----	1,075	3.65	3.70	3.59- 3.96	-	-	-	-	-	24	-	-	-	-	-	-	33	10	54	18	142	312	226	256	-	-	-	-
RETAIL TRADE -----	1,093	3.40	3.58	3.24- 3.84	-	-	2	-	29	53	6	26	18	2	20	9	2	12	72	105	241	100	343	53	-	-	-	-
ORDER FILLERS -----	4,557	3.30	3.61	2.94- 3.79	-	30	40	-	30	71	64	145	121	116	128	138	22	430	536	138	185	1295	855	213	-	-	-	-
MANUFACTURING -----	688	2.74	2.91	2.41- 3.00	-	30	40	-	30	20	-	10	33	67	5	44	22	217	86	14	-	-	45	25	-	-	-	-
NONMANUFACTURING -----	3,869	3.40	3.65	3.04- 3.80	-	-	-	-	-	51	64	135	88	49	123	94	-	213	450	124	185	1295	810	188	-	-	-	-
WHOLESALE TRADE -----	3,147	3.43	3.66	3.05- 3.81	-	-	-	-	-	51	48	135	48	17	116	52	-	120	436	80	61	1135	660	188	-	-	-	-
RETAIL TRADE -----	710	3.32	3.48	2.90- 3.78	-	-	-	-	-	16	-	-	40	32	7	36	-	87	14	44	124	160	150	-	-	-	-	-
PACKERS, SHIPPING -----	1,365	2.71	2.67	2.19- 3.34	-	50	134	41	20	45	59	73	77	108	8	102	75	46	60	158	101	199	9	-	-	-	-	-
MANUFACTURING -----	711	2.54	2.61	1.94- 3.02	-	50	90	30	20	10	10	29	54	48	4	80	55	46	51	71	41	13	9	-	-	-	-	-
NONMANUFACTURING -----	654	2.89	3.21	2.26- 3.61	-	-	44	11	-	35	49	44	23	60	4	22	20	-	9	87	60	186	-	-	-	-	-	-
WHOLESALE TRADE -----	568	2.85	2.70	2.21- 3.62	-	-	44	11	-	35	48	44	23	60	-	19	19	-	-	22	57	186	-	-	-	-	-	-
PACKERS, SHIPPING (WOMEN) -----	587	2.57	2.62	2.23- 2.87	-	40	12	27	21	13	19	43	20	78	14	36	61	90	-	113	-	-	-	-	-	-	-	-
MANUFACTURING -----	499	2.56	2.51	2.23- 2.88	-	40	10	23	17	3	19	39	20	78	10	34	42	57	-	107	-	-	-	-	-	-	-	-
NONMANUFACTURING -----	88	2.60	2.78	2.26- 2.85	-	-	2	4	4	10	-	4	-	-	-	4	2	33	-	6	-	-	-	-	-	-	-	-
RECEIVING CLERKS -----	1,124	3.37	3.62	2.90- 3.88	-	-	-	-	-	2	14	22	17	53	66	17	9	101	140	51	36	236	208	121	31	-	-	-
MANUFACTURING -----	626	3.34	3.60	2.85- 3.83	-	-	-	-	-	-	14	-	4	38	58	3	-	76	98	14	5	151	27	108	30	-	-	-
NONMANUFACTURING -----	498	3.42	3.70	3.04- 3.89	-	-	-	-	-	2	-	22	13	15	8	14	9	25	42	37	31	85	181	13	1	-	-	-
WHOLESALE TRADE -----	275	3.62	3.83	3.65- 3.94	-	-	-	-	-	-	-	-	-	12	-	12	-	-	30	-	12	57	141	11	-	-	-	-
RETAIL TRADE -----	200	3.15	3.25	2.77- 3.66	-	-	-	-	-	2	-	22	13	-	6	2	8	23	10	36	15	25	38	-	-	-	-	-
SHIPPING CLERKS -----	602	3.57	3.73	3.15- 3.97	-	-	-	-	-	-	21	1	3	8	5	-	-	38	99	-	54	143	98	128	-	4	-	-
MANUFACTURING -----	348	3.47	3.61	3.07- 4.11	-	-	-	-	-	-	21	1	3	8	5	-	-	14	99	-	18	58	20	101	-	-	-	-
NONMANUFACTURING -----	254	3.71	3.78	3.70- 3.93	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	36	85	78	27	-	4	-	-
WHOLESALE TRADE -----	236	3.70	3.77	3.70- 3.93	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	32	83	70	27	-	-	-	-



Table A-5a. Custodial and Material Movement Occupations—Large Establishments

(Average straight-time hourly earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Occupation <sup>1</sup> and industry division	Number of workers	Hourly earnings <sup>2</sup>			Number of workers receiving straight-time hourly earnings of—																						
		Mean <sup>3</sup>	Median <sup>3</sup>	Middle range <sup>3</sup>	Under	\$ 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	\$ 3.00	\$ 3.20	\$ 3.40	\$ 3.60	\$ 3.80	\$ 4.00	\$ 4.20	\$ 4.40	\$ 4.60
					\$ 1.60 and under	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80
GUARDS AND WATCHMEN -----	5,436	2.47	1.89	1.74- 3.57	-	864	1331	609	174	168	54	65	16	53	84	23	53	74	127	134	290	964	308	45	-	-	-
MANUFACTURING -----	1,478	3.57	3.73	3.49- 3.79	-	-	-	1	-	26	7	14	-	11	29	9	19	27	71	80	126	774	260	24	-	-	-
NONMANUFACTURING -----	3,958	2.05	1.78	1.71- 2.00	-	864	1331	608	174	142	47	51	16	42	55	14	34	47	56	54	164	190	48	21	-	-	-
GUARDS:																											
MANUFACTURING -----	1,446	3.58	3.74	3.53- 3.79	-	-	-	-	-	21	7	14	-	11	29	9	19	27	71	64	116	774	260	24	-	-	-
JANITORS, PORTERS, AND CLEANERS ---	8,338	2.87	2.79	2.65- 3.23	30	-	12	18	20	138	70	102	99	307	436	1653	1387	1621	280	1303	753	32	76	1	-	-	-
MANUFACTURING -----	2,869	3.13	3.31	2.87- 3.40	30	-	-	-	-	24	33	47	54	86	44	185	146	438	122	1014	649	-	27	-	-	-	-
NONMANUFACTURING -----	5,469	2.73	2.73	2.63- 2.89	30	-	12	18	20	114	37	55	45	221	392	1468	1241	1183	158	289	104	32	49	1	-	-	-
PUBLIC UTILITIES <sup>4</sup> -----	340	3.28	3.24	2.95- 3.55	-	-	-	-	-	-	-	-	-	1	6	-	1	98	59	37	74	17	47	-	-	-	-
RETAIL TRADE -----	1,291	2.76	2.92	2.48- 2.98	18	-	10	4	10	86	16	14	16	178	36	48	25	655	75	63	25	9	2	1	-	-	-
SERVICES <sup>5</sup> -----	3,177	2.66	2.71	2.65- 2.77	12	-	-	8	6	27	2	7	1	5	109	1349	1215	419	17	-	-	-	-	-	-	-	-
MOTION PICTURES <sup>6</sup> -----	188	3.33	3.31	3.31- 3.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	188	-	-	-	-	-	-
JANITORS, PORTERS, AND CLEANERS (WOMEN) -----	1,651	2.65	2.58	2.52- 2.76	-	-	2	3	17	35	34	44	20	87	707	165	193	84	37	215	6	2	-	-	-	-	-
MANUFACTURING -----	332	3.07	3.28	2.77- 3.35	-	-	-	4	-	-	2	9	22	5	17	36	30	30	9	198	-	-	-	-	-	-	-
NONMANUFACTURING -----	1,319	2.55	2.56	2.52- 2.66	-	-	2	3	13	35	34	42	11	65	702	148	157	54	28	17	6	2	-	-	-	-	-
PUBLIC UTILITIES <sup>4</sup> -----	41	2.90	3.04	2.45- 3.17	-	-	-	-	-	-	-	-	4	12	-	-	-	-	17	-	6	2	-	-	-	-	-
RETAIL TRADE -----	97	2.30	2.17	2.05- 2.74	-	-	2	2	12	17	23	6	-	1	6	1	8	17	2	-	-	-	-	-	-	-	-
FINANCE <sup>7</sup> -----	152	2.44	2.42	2.24- 2.50	-	-	-	1	1	12	11	32	7	52	11	-	3	4	9	9	-	-	-	-	-	-	-
SERVICES <sup>5</sup> -----	1,021	2.57	2.57	2.54- 2.65	-	-	-	-	6	-	4	-	-	-	685	147	146	33	-	-	-	-	-	-	-	-	-
LABORERS, MATERIAL HANDLING -----	3,934	3.46	3.57	2.97- 3.98	-	-	2	-	2	41	19	81	91	62	44	154	150	393	228	161	658	432	459	873	54	30	-
MANUFACTURING -----	1,674	3.20	3.13	2.78- 3.67	-	-	-	-	9	13	55	40	30	30	146	124	349	106	45	245	270	86	42	54	30	-	-
NONMANUFACTURING -----	2,260	3.65	3.82	3.49- 4.05	-	-	2	-	2	32	6	26	51	32	14	8	26	44	122	116	413	162	373	831	-	-	-
PUBLIC UTILITIES <sup>4</sup> -----	995	3.81	4.06	3.49- 4.13	-	-	-	-	-	-	-	-	33	30	8	6	20	26	48	11	75	-	-	738	-	-	-
WHOLESALE TRADE -----	269	3.64	3.63	3.55- 3.91	-	-	-	-	-	-	-	-	-	-	-	-	4	10	2	4	97	82	30	40	-	-	-
RETAIL TRADE -----	996	3.49	3.59	3.34- 3.84	-	-	2	-	2	32	6	26	18	2	6	2	2	8	72	101	241	80	343	53	-	-	-
ORDER FILLERS -----	1,589	3.58	3.67	3.50- 3.83	-	-	-	-	-	-	-	1	3	12	68	22	86	44	64	125	577	579	8	-	-	-	-
NONMANUFACTURING -----	1,423	3.63	3.68	3.61- 3.84	-	-	-	-	-	-	-	-	-	-	-	-	67	14	50	125	577	539	8	-	-	-	-
WHOLESALE TRADE -----	981	3.75	3.69	3.65- 3.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	577	389	8	-	-	-
RETAIL TRADE -----	442	3.38	3.46	3.08- 3.83	-	-	-	-	-	-	-	-	-	-	-	-	67	14	44	124	-	150	-	-	-	-	-
PACKERS, SHIPPING -----	331	3.22	3.25	3.04- 3.44	-	-	-	-	-	1	-	-	-	-	8	10	27	19	60	108	44	45	9	-	-	-	-
MANUFACTURING -----	208	3.18	3.12	2.98- 3.43	-	-	-	-	-	-	-	-	-	-	4	7	26	19	51	38	41	13	9	-	-	-	-
NONMANUFACTURING -----	123	3.28	3.27	3.22- 3.61	-	-	-	-	-	1	-	-	-	-	4	3	1	-	9	70	3	32	-	-	-	-	-
PACKERS, SHIPPING (WOMEN) -----	412	2.74	2.79	2.38- 3.30	-	-	2	7	21	13	9	43	10	24	14	36	30	90	-	113	-	-	-	-	-	-	-
MANUFACTURING -----	348	2.78	2.78	2.42- 3.32	-	-	-	3	17	3	9	39	10	24	10	34	30	57	-	107	-	-	-	-	-	-	-
RECEIVING CLERKS -----	577	3.49	3.65	3.24- 3.85	-	-	-	-	-	2	-	22	10	3	12	5	9	22	43	51	26	179	172	20	1	-	-
MANUFACTURING -----	258	3.53	3.64	3.33- 3.69	-	-	-	-	-	-	-	-	4	-	4	3	-	12	30	14	5	141	27	18	-	-	-
NONMANUFACTURING -----	319	3.45	3.69	3.22- 3.90	-	-	-	-	-	2	-	22	6	3	8	2	9	10	13	37	21	38	145	2	1	-	-
WHOLESALE TRADE -----	122	3.85	3.91	3.84- 3.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	10	109	-	-	-	-
RETAIL TRADE -----	174	3.18	3.28	2.77- 3.67	-	-	-	-	2	-	22	6	-	6	2	8	8	8	10	36	15	25	34	-	-	-	-
SHIPPING CLERKS -----	215	3.59	3.62	3.20- 3.96	-	-	-	-	-	-	-	1	3	1	5	-	14	31	-	-	44	54	12	46	-	4	-
MANUFACTURING -----	173	3.56	3.63	3.14- 4.11	-	-	-	-	-	-	-	1	3	1	5	-	14	31	-	-	18	48	7	45	-	-	-
SHIPPING AND RECEIVING CLERKS -----	656	3.48	3.64	3.16- 3.89	-	-	-	-	-	-	-	1	26	54	14	3	38	41	56	67	181	48	122	5	-	-	-
MANUFACTURING -----	419	3.24	3.37	2.84- 3.67	-	-	-	-	-	-	-	-	-	26	54	14	2	38	37	48	60	113	15	12	-	-	-
NONMANUFACTURING -----	237	3.91	3.99	3.75- 4.15	-	-	-	-	-	-	-	-	1	-	-	-	-	-	4	8	7	68	33	110	5	-	-
RETAIL TRADE -----	208	3.96	4.10	3.77- 4.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	66	31	107	2	-	-

See footnotes at end of table.

Table A-5a. Custodial and Material Movement Occupations—Large Establishments—Continued

(Average straight-time hourly earnings for selected occupations studied in establishments employing 500 workers or more by industry division, Los Angeles—Long Beach and Anaheim—Santa Ana—Garden Grove, Calif., March 1970)

Occupation <sup>1</sup> and industry division	Number of workers	Hourly earnings <sup>2</sup>			Number of workers receiving straight-time hourly earnings of—																						
		Mean <sup>3</sup>	Median <sup>3</sup>	Middle range <sup>3</sup>	Under \$1.60	\$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	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60
					\$1.60 and under																						
TRUCKDRIVERS <sup>8</sup> -----	6,243	4.08	4.08	3.93-4.25	-	-	-	-	-	8	-	-	5	13	6	14	9	25	57	85	132	113	1558	2279	1007	706	226
MANUFACTURING -----	2,252	3.99	3.92	3.84-4.23	-	-	-	-	-	-	-	-	8	1	8	3	16	37	57	104	34	1050	305	452	10	167	
NONMANUFACTURING -----	3,991	4.13	4.12	4.03-4.26	-	-	-	-	8	-	-	5	5	5	6	6	9	20	28	28	79	508	1974	555	696	59	
PUBLIC UTILITIES <sup>4</sup> -----	1,666	4.22	4.26	4.10-4.44	-	-	-	-	-	-	-	5	5	5	4	9	12	19	25	7	10	536	349	616	59		
WHOLESALE TRADE -----	909	4.10	4.07	3.96-4.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	17	326	343	142	80	-	
RETAIL TRADE -----	1,057	4.05	4.10	4.02-4.16	-	-	-	-	8	-	-	-	-	-	-	-	-	6	6	2	24	156	796	59	-	-	
MOTION PICTURES <sup>6</sup> -----	270	4.08	4.08	4.08-4.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	-	-	
TRUCKDRIVERS, MEDIUM (1-1/2 TO AND INCLUDING 4 TONS) -----	1,895	4.01	3.97	3.85-4.15	-	-	-	-	-	-	-	5	11	3	6	2	8	19	31	61	26	849	622	15	70	167	
MANUFACTURING -----	945	4.00	3.87	3.83-4.14	-	-	-	-	-	-	-	-	8	-	4	-	2	10	11	55	6	567	115	-	-	167	
NONMANUFACTURING -----	950	4.03	4.06	3.96-4.15	-	-	-	-	-	-	-	5	3	3	2	2	6	9	20	6	20	282	507	15	70	-	
PUBLIC UTILITIES <sup>4</sup> -----	458	4.06	4.12	4.05-4.18	-	-	-	-	-	-	-	5	3	3	2	2	6	5	14	6	-	-	342	-	70	-	
RETAIL TRADE -----	157	4.02	4.13	4.07-4.17	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	-	18	-	119	10	-	-	
TRUCKDRIVERS, HEAVY (OVER 4 TONS, TRAILER TYPE) -----	2,397	4.12	4.11	4.03-4.23	-	-	-	-	-	-	-	-	2	2	3	2	2	1	2	7	27	341	1249	610	90	59	
MANUFACTURING -----	358	3.99	4.01	3.84-4.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	24	144	93	85	10	-	-	
NONMANUFACTURING -----	2,039	4.14	4.13	4.04-4.23	-	-	-	-	-	-	-	-	2	2	3	2	2	1	2	5	3	197	1156	525	80	59	
PUBLIC UTILITIES <sup>4</sup> -----	606	4.17	4.23	4.07-4.27	-	-	-	-	-	-	-	-	2	2	3	2	2	1	2	5	3	5	184	336	-	59	
WHOLESALE TRADE -----	597	4.18	4.16	4.07-4.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	321	142	80	-	
RETAIL TRADE -----	812	4.09	4.09	4.02-4.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138	627	47	-	-	
TRUCKDRIVERS, HEAVY (OVER 4 TONS, OTHER THAN TRAILER TYPE) -----	640	4.10	4.06	3.96-4.33	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	14	227	152	241	-	-	
NONMANUFACTURING -----	114	4.06	4.07	4.02-4.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	3	82	15	-	-	
TRUCKS, POWER (FORKLIFT) -----	3,188	3.52	3.55	3.24-3.79	-	-	-	-	-	-	-	8	6	2	16	134	168	366	379	705	644	543	198	14	5	-	
MANUFACTURING -----	2,447	3.41	3.47	3.17-3.70	-	-	-	-	-	-	-	8	6	2	16	134	166	347	348	676	485	213	46	-	-	-	
NONMANUFACTURING -----	741	3.87	3.93	3.76-4.00	-	-	-	-	-	-	-	-	-	-	-	-	2	19	31	29	159	330	152	14	5	-	
PUBLIC UTILITIES <sup>4</sup> -----	126	3.81	4.12	3.35-4.16	-	-	-	-	-	-	-	-	-	-	-	-	-	18	23	10	1	-	74	-	-	-	
WHOLESALE TRADE -----	252	3.84	3.86	3.73-3.97	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	10	101	98	40	-	-	-	
RETAIL TRADE -----	354	3.91	3.94	3.87-3.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	57	232	38	14	-	-	
TRUCKS, POWER (OTHER THAN FORKLIFT) -----	311	3.60	3.51	3.45-3.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	179	71	38	3	6	-	-	
MANUFACTURING -----	270	3.55	3.49	3.44-3.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	179	71	-	-	6	-	-	

1 Data limited to men workers except where otherwise indicated.  
 2 Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.  
 3 For definition of terms, see footnote 2, table A-1.  
 4 Transportation, communication, and other public utilities.  
 5 Excludes motion pictures.  
 6 See footnote 7, table 1.  
 7 Finance, insurance, and real estate.  
 8 Includes all drivers, as defined, regardless of size and type of truck operated.

## Appendix. Occupational 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 permits 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 economists are instructed to exclude working supervisors; apprentices; learners; beginners; trainees; and handicapped, part-time, temporary, and probationary workers.

### OFFICE

#### BILLER, MACHINE

Prepares statements, bills, and invoices on a machine other than an ordinary or electro-matic 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 memorandums, 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.

**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; and requires judgment and experience in making proper assignments and allocations. May assist in preparing, adjusting, and closing journal entries; and may direct class B accounting clerks.

**Class B.** Under supervision, performs one or more routine accounting operations such as posting simple journal vouchers or accounts payable vouchers, entering vouchers in voucher registers; reconciling bank accounts; and posting subsidiary ledgers controlled by general ledgers, or posting simple cost accounting data. 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.** In an established filing system containing a number of varied subject matter files, classifies and indexes file material such as correspondence, reports, technical documents, etc. May also file this material. May keep records of various types in conjunction with the files. May lead a small group of lower level file clerks.

**Class B.** Sorts, codes, and files unclassified material by simple (subject matter) headings or partly classified material by finer subheadings. Prepares simple related index and cross-reference aids. As requested, locates clearly identified material in files and forwards material. May perform related clerical tasks required to maintain and service files.

**Class C.** Performs routine filing of material that has already been classified or which is easily classified in a simple serial classification system (e.g., alphabetical, chronological, or numerical). As requested, locates readily available material in files and forwards material; and may fill out withdrawal charge. Performs simple clerical and manual tasks required to maintain and service files.

#### 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; and 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; and 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.

#### KEYPUNCH OPERATOR

**Class A.** Operates a numerical and/or alphabetical or combination keypunch machine to transcribe data from various source documents to keypunch tabulating cards. Performs same tasks as lower level keypunch operator but, in addition, work requires application of coding skills and the making of some determinations, for example, locates on the source document the items to be punched; extracts information from several documents; and searches for and interprets information on the document to determine information to be punched. May train inexperienced operators.



## KEYPUNCH OPERATOR—Continued

**Class B.** Under close supervision or following specific procedures or instructions, transcribes data from source documents to punched cards. Operates a numerical and/or alphabetical or combination keypunch machine to keypunch tabulating cards. May verify cards. Working from various standardized source documents, follows specified sequences which have been coded or prescribed in detail and require little or no selecting, coding, or interpreting of data to be punched. Problems arising from erroneous items or codes, missing information, etc., are referred to supervisor.

## 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

Assigned as personal secretary, normally to one individual. Maintains a close and highly responsive relationship to the day-to-day work activities of the supervisor. Works fairly independently receiving a minimum of detailed supervision and guidance. Performs varied clerical and secretarial duties, usually including most of the following: (a) Receives telephone calls, personal callers, and incoming mail, answers routine inquiries, and routes the technical inquiries to the proper persons; (b) establishes, maintains, and revises the supervisor's files; (c) maintains the supervisor's calendar and makes appointments as instructed; (d) relays messages from supervisor to subordinates; (e) reviews correspondence, memoranda, and reports prepared by others for the supervisor's signature to assure procedural and typographic accuracy; and (f) performs stenographic and typing work.

May also perform other clerical and secretarial tasks of comparable nature and difficulty. The work typically requires knowledge of office routine and understanding of the organization, programs, and procedures related to the work of the supervisor.

Exclusions

Not all positions that are titled "secretary" possess the above characteristics. Examples of positions which are excluded from the definition are as follows: (a) Positions which do not meet the "personal" secretary concept described above; (b) stenographers not fully trained in secretarial type duties; (c) stenographers serving as office assistants to a group of professional, technical, or managerial persons; (d) secretary positions in which the duties are either substantially more routine or substantially more complex and responsible than those characterized in the definition; and (e) assistant type positions which involve more difficult or more responsible technical, administrative, supervisory, or specialized clerical duties which are not typical of secretarial work.

**NOTE:** The term "corporate officer," used in the level definitions following, refers to those officials who have a significant corporate-wide policymaking role with regard to major company activities. The title "vice president," though normally indicative of this role, does not in all cases identify such positions. Vice presidents whose primary responsibility is to act personally on individual cases or transactions (e.g., approve or deny individual loan or credit actions; administer individual trust accounts; directly supervise a clerical staff) are not considered to be "corporate officers" for purposes of applying the following level definitions.

Class A

- a. Secretary to the chairman of the board or president of a company that employs, in all, over 100 but fewer than 5,000 persons; or
- b. Secretary to a corporate officer (other than the chairman of the board or president) of a company that employs, in all, over 5,000 but fewer than 25,000 persons; or
- c. Secretary to the head (immediately below the corporate officer level) of a major segment or subsidiary of a company that employs, in all, over 25,000 persons.

Class B

- a. Secretary to the chairman of the board or president of a company that employs, in all, fewer than 100 persons; or
- b. Secretary to a corporate officer (other than the chairman of the board or president) of a company that employs, in all, over 100 but fewer than 5,000 persons; or
- c. Secretary to the head (immediately below the officer level) over either a major corporate-wide functional activity (e.g., marketing, research, operations, industrial relations, etc.) or a major geographic or organizational segment (e.g., a regional headquarters; a major division) of a company that employs, in all, over 5,000 but fewer than 25,000 employees; or

## SECRETARY—Continued

d. Secretary to the head of an individual plant, factory, etc. (or other equivalent level of official) that employs, in all, over 5,000 persons; or

e. Secretary to the head of a large and important organizational segment (e.g., a middle management supervisor of an organizational segment often involving as many as several hundred persons) of a company that employs, in all, over 25,000 persons.

Class C

a. Secretary to an executive or managerial person whose responsibility is not equivalent to one of the specific level situations in the definition for class B, but whose subordinate staff normally numbers at least several dozen employees and is usually divided into organizational segments which are often, in turn, further subdivided. In some companies, this level includes a wide range of organizational echelons; in others, only one or two; or

b. Secretary to the head of an individual plant, factory, etc. (or other equivalent level of official) that employs, in all, fewer than 5,000 persons.

Class D

a. Secretary to the supervisor or head of a small organizational unit (e.g., fewer than about 25 or 30 persons); or

b. Secretary to a nonsupervisory staff specialist, professional employee, administrative officer, or assistant, skilled technician or expert. (NOTE: Many companies assign stenographers rather than secretaries as described above, to this level of supervisory or nonsupervisory worker.)

## STENOGRAPHER, GENERAL

Primary duty is to take dictation involving a normal routine vocabulary from one or more persons either in shorthand or by Stenotype or similar machine; and transcribe dictation. May also type from written copy. May maintain files, keep simple records, or perform other relatively routine clerical tasks. May operate from a stenographic pool. Does not include transcribing-machine work. (See transcribing-machine operator.)

## STENOGRAPHER, SENIOR

Primary duty is to take dictation involving a varied technical or specialized vocabulary such as in legal briefs or reports on scientific research from one or more persons either in shorthand or by Stenotype or similar machine; and transcribe dictation. May also type from written copy. May also set up and maintain files, keep records, etc.

OR

Performs stenographic duties requiring significantly greater independence and responsibility than stenographers, general as evidenced by the following: Work requires high degree of stenographic speed and accuracy; and a thorough working knowledge of general business and office procedures and of the specific business operations, organization, policies, procedures, files, workflow, etc. Uses this knowledge in performing stenographic duties and responsible clerical tasks such as, maintaining followup files; assembling material for reports, memorandums, letters, etc.; composing simple letters from general instructions; reading and routing incoming mail; and answering routine questions, etc. Does not include transcribing-machine work.

## SWITCHBOARD OPERATOR

**Class A.** Operates a single- or multiple-position telephone switchboard handling incoming, outgoing, intraplant or office calls. Performs full telephone information service or handles complex calls, such as conference, collect, overseas, or similar calls, either in addition to doing routine work as described for switchboard operator, class B, or as a full-time assignment. ("Full" telephone information service occurs when the establishment has varied functions that are not readily understandable for telephone information purposes, e.g., because of overlapping or interrelated functions, and consequently present frequent problems as to which extensions are appropriate for calls.)

**Class B.** Operates a single- or multiple-position telephone switchboard handling incoming, outgoing, intraplant or office calls. May handle routine long distance calls and record tolls. May perform limited telephone information service. ("Limited" telephone information service occurs if the functions of the establishment serviced are readily understandable for telephone information purposes, or if the requests are routine, e.g., giving extension numbers when specific names are furnished, or if complex calls are referred to another operator.)

## 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

**Class A.** Operates a variety of tabulating or electrical accounting machines, typically including such machines as the tabulator, calculator, interpreter, collator, and others. Performs complete reporting assignments without close supervision, and performs difficult wiring as required. The complete reporting and tabulating assignments typically involve a variety of long and complex reports which often are of irregular or nonrecurring type requiring some planning and sequencing of steps to be taken. As a more experienced operator, is typically involved in training new operators in machine operations, or partially trained operators in wiring from diagrams and operating sequences of long and complex reports. Does not include working supervisors performing tabulating-machine operations and day-to-day supervision of the work and production of a group of tabulating-machine operators.

**Class B.** Operates more difficult tabulating or electrical accounting machines such as the tabulator and calculator, in addition to the sorter, reproducer, and collator. This work is performed under specific instructions and may include the performance of some wiring from diagrams. The work typically involves, for example, tabulations involving a repetitive accounting exercise, a complete but small tabulating study, or parts of a longer and more complex report. Such reports and studies are usually of a recurring nature where the procedures are well established. May also include the training of new employees in the basic operation of the machine.

**PROFESSIONAL AND TECHNICAL**

## COMPUTER OPERATOR

Monitors and operates the control console of a digital computer to process data according to operating instructions, usually prepared by a programmer. Work includes most of the following: Studies instructions to determine equipment setup and operations; loads equipment with required items (tape reels, cards, etc.); switches necessary auxiliary equipment into circuit, and starts and operates computer; makes adjustments to computer to correct operating problems and meet special conditions; reviews errors made during operation and determines cause or refers problem to supervisor or programmer; and maintains operating records. May test and assist in correcting program.

For wage study purposes, computer operators are classified as follows:

**Class A.** Operates independently, or under only general direction, a computer running programs with most of the following characteristics: New programs are frequently tested and introduced; scheduling requirements are of critical importance to minimize downtime; the programs are of complex design so that identification of error source often requires a working knowledge of the total program, and alternate programs may not be available. May give direction and guidance to lower level operators.

**Class B.** Operates independently, or under only general direction, a computer running programs with most of the following characteristics: Most of the programs are established production runs, typically run on a regularly recurring basis; there is little or no testing of new programs required; alternate programs are provided in case original program needs major change or cannot be corrected within a reasonable time. In common error situations, diagnoses cause and takes corrective action. This usually involves applying previously programmed corrective steps, or using standard correction techniques.

OR

Operates under direct supervision a computer running programs or segments of programs with the characteristics described for class A. May assist a higher level operator by independently performing less difficult tasks assigned, and performing difficult tasks following detailed instructions and with frequent review of operations performed.

**Class C.** Works on routine programs under close supervision. Is expected to develop working knowledge of the computer equipment used and ability to detect problems involved in running routine programs. Usually has received some formal training in computer operation. May assist higher level operator on complex programs.

## TABULATING-MACHINE OPERATOR—Continued

**Class C.** Operates simple tabulating or electrical accounting machines such as the sorter, reproducing punch, collator, etc., with specific instructions. May include simple wiring from diagrams and some filing work. The work typically involves portions of a work unit, for example, individual sorting or collating runs or repetitive operations.

## 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 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 include typing of stencils, mats, or similar materials for use in duplicating processes. 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 when it involves combining material from several sources or responsibility for correct spelling, syllabication, punctuation, etc., of technical or unusual words or foreign language material; and planning layout and typing of complicated statistical tables to maintain uniformity and balance in spacing. May type routine form letters varying details to suit circumstances.

**Class B.** Performs one or more of the following: Copy typing from rough or clear drafts; routine typing of forms, insurance policies, etc.; and setting up simple standard tabulations, or copying more complex tables already setup and spaced properly.

## COMPUTER PROGRAMER, BUSINESS

Converts statements of business problems, typically prepared by a systems analyst, into a sequence of detailed instructions which are required to solve the problems by automatic data processing equipment. Working from charts or diagrams, the programmer develops the precise instructions which, when entered into the computer system in coded language, cause the manipulation of data to achieve desired results. Work involves most of the following: Applies knowledge of computer capabilities, mathematics, logic employed by computers, and particular subject matter involved to analyze charts and diagrams of the problem to be programmed. Develops sequence of program steps, writes detailed flow charts to show order in which data will be processed; converts these charts to coded instructions for machine to follow; tests and corrects programs; prepares instructions for operating personnel during production run; analyzes, reviews, and alters programs to increase operating efficiency or adapt to new requirements; maintains records of program development and revisions. (NOTE: Workers performing both systems analysis and programming should be classified as systems analysts if this is the skill used to determine their pay.)

Does not include employees primarily responsible for the management or supervision of other electronic data processing (EDP) employees, or programmers primarily concerned with scientific and/or engineering problems.

For wage study purposes, programmers are classified as follows:

**Class A.** Works independently or under only general direction on complex problems which require competence in all phases of programming concepts and practices. Working from diagrams and charts which identify the nature of desired results, major processing steps to be accomplished, and the relationships between various steps of the problem solving routine; plans the full range of programming actions needed to efficiently utilize the computer system in achieving desired end products.

At this level, programming is difficult because computer equipment must be organized to produce several interrelated but diverse products from numerous and diverse data elements. A wide variety and extensive number of internal processing actions must occur. This requires such actions as development of common operations which can be reused, establishment of linkage points between operations, adjustments to data when program requirements exceed computer storage capacity, and substantial manipulation and resequencing of data elements to form a highly integrated program.

May provide functional direction to lower level programmers who are assigned to assist.

## COMPUTER PROGRAMER, BUSINESS—Continued

**Class B.** Works independently or under only general direction on relatively simple programs, or on simple segments of complex programs. Programs (or segments) usually process information to produce data in two or three varied sequences or formats. Reports and listings are produced by refining, adapting, arraying, or making minor additions to or deletions from input data which are readily available. While numerous records may be processed, the data have been refined in prior actions so that the accuracy and sequencing of data can be tested by using a few routine checks. Typically, the program deals with routine record-keeping type operations.

OR

Works on complex programs (as described for class A) under close direction of a higher level programmer or supervisor. May assist higher level programmer by independently performing less difficult tasks assigned, and performing more difficult tasks under fairly close direction.

May guide or instruct lower level programmers.

**Class C.** Makes practical applications of programming practices and concepts usually learned in formal training courses. Assignments are designed to develop competence in the application of standard procedures to routine problems. Receives close supervision on new aspects of assignments; and work is reviewed to verify its accuracy and conformance with required procedures.

## COMPUTER SYSTEMS ANALYST, BUSINESS

Analyzes business problems to formulate procedures for solving them by use of electronic data processing equipment. Develops a complete description of all specifications needed to enable programmers to prepare required digital computer programs. Work involves most of the following: Analyzes subject-matter operations to be automated and identifies conditions and criteria required to achieve satisfactory results; specifies number and types of records, files, and documents to be used; outlines actions to be performed by personnel and computers in sufficient detail for presentation to management and for programming (typically this involves preparation of work and data flow charts); coordinates the development of test problems and participates in trial runs of new and revised systems; and recommends equipment changes to obtain more effective overall operations. (NOTE: Workers performing both systems analysis and programming should be classified as systems analysts if this is the skill used to determine their pay.)

Does not include employees primarily responsible for the management or supervision of other electronic data processing (EDP) employees, or systems analysts primarily concerned with scientific or engineering problems.

For wage study purposes, systems analysts are classified as follows:

**Class A.** Works independently or under only general direction on complex problems involving all phases of systems analysis. Problems are complex because of diverse sources of input data and multiple-use requirements of output data. (For example, develops an integrated production scheduling, inventory control, cost analysis, and sales analysis record in which every item of each type is automatically processed through the full system of records and appropriate followup actions are initiated by the computer.) Confers with persons concerned to determine the data processing problems and advises subject-matter personnel on the implications of new or revised systems of data processing operations. Makes recommendations, if needed, for approval of major systems installations or changes and for obtaining equipment.

May provide functional direction to lower level systems analysts who are assigned to assist.

**Class B.** Works independently or under only general direction on problems that are relatively uncomplicated to analyze, plan, program, and operate. Problems are of limited complexity because sources of input data are homogeneous and the output data are closely related. (For example, develops systems for maintaining depositor accounts in a bank,

## COMPUTER SYSTEMS ANALYST, BUSINESS—Continued

maintaining accounts receivable in a retail establishment, or maintaining inventory accounts in a manufacturing or wholesale establishment.) Confers with persons concerned to determine the data processing problems and advises subject-matter personnel on the implications of the data processing systems to be applied.

OR

Works on a segment of a complex data processing scheme or system, as described for class A. Works independently on routine assignments and receives instruction and guidance on complex assignments. Work is reviewed for accuracy of judgment, compliance with instructions, and to insure proper alignment with the overall system.

**Class C.** Works under immediate supervision, carrying out analyses as assigned, usually of a single activity. Assignments are designed to develop and expand practical experience in the application of procedures and skills required for systems analysis work. For example, may assist a higher level systems analyst by preparing the detailed specifications required by programmers from information developed by the higher level analyst.

## DRAFTSMAN

**Class A.** Plans the graphic presentation of complex items having distinctive design features that differ significantly from established drafting precedents. Works in close support with the design originator, and may recommend minor design changes. Analyzes the effect of each change on the details of form, function, and positional relationships of components and parts. Works with a minimum of supervisory assistance. Completed work is reviewed by design originator for consistency with prior engineering determinations. May either prepare drawings, or direct their preparation by lower level draftsmen.

**Class B.** Performs nonroutine and complex drafting assignments that require the application of most of the standardized drawing techniques regularly used. Duties typically involve such work as: Prepares working drawings of subassemblies with irregular shapes, multiple functions, and precise positional relationships between components; prepares architectural drawings for construction of a building including detail drawings of foundations, wall sections, floor plans, and roof. Uses accepted formulas and manuals in making necessary computations to determine quantities of materials to be used, load capacities, strengths, stresses, etc. Receives initial instructions, requirements, and advice from supervisor. Completed work is checked for technical adequacy.

**Class C.** Prepares detail drawings of single units or parts for engineering, construction, manufacturing, or repair purposes. Types of drawings prepared include isometric projections (depicting three dimensions in accurate scale) and sectional views to clarify positioning of components and convey needed information. Consolidates details from a number of sources and adjusts or transposes scale as required. Suggested methods of approach, applicable precedents, and advice on source materials are given with initial assignments. Instructions are less complete when assignments recur. Work may be spot-checked during progress.

## DRAFTSMAN-TRACER

Copies plans and drawings prepared by others by placing tracing cloth or paper over drawings and tracing with pen or pencil. (Does not include tracing limited to plans primarily consisting of straight lines and a large scale not requiring close delineation.)

and/or

Prepares simple or repetitive drawings of easily visualized items. Work is closely supervised during progress.

## NURSE, INDUSTRIAL (REGISTERED)

A registered nurse who gives nursing service under general medical direction 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; assisting in physical examinations and health evaluations of applicants and employees; and planning and carrying out programs involving health education, accident prevention, evaluation of plant environment, or other activities affecting the health, welfare, and safety of all personnel.

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 most of the following: Planning and laying out of work from blueprints, drawings, models, or verbal instructions using a variety

## CARPENTER, MAINTENANCE—Continued

of carpenter's handtools, portable power tools, and standard measuring instruments; making standard shop computations relating to dimensions of work; and 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 generation, 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, layouts, 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; and 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; and 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, or gas or oil burner; and checks water and safety valves. May clean, oil, or assist in repairing boilerroom equipment.

## HELPER, MAINTENANCE TRADES

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 journeyman by holding materials or tools; and 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, gages, 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; and 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; and 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, gages, drills, or specialized equipment in disassembling or fitting parts; replacing broken or defective parts from stock; grinding and adjusting valves; reassembling and installing

## MECHANIC, AUTOMOTIVE (MAINTENANCE)—Continued

the various assemblies in the vehicle and making necessary adjustments; and aligning 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; aligning and balancing of equipment; selecting standard tools, equipment, and parts to be used; and 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; and 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; and 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; and 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 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



## SHEET-METAL WORKER, MAINTENANCE—Continued

handtools in cutting, bending, forming, shaping, fitting, and assembling; and 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

(Die maker; jig maker; tool maker; fixture maker; gage maker)

Constructs and repairs machine-shop tools, gages, 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;

**CUSTODIAL AND MATERIAL MOVEMENT**

## GUARD AND WATCHMAN

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.

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

## 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; and cleaning lavatories, show-ers, and restrooms. Workers who specialize in window washing are excluded.

## LABORER, MATERIAL HANDLING

(Loader and unloader; handler and stacker; sheller; trucker; stockman or stock helper; ware-houseman 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; and transporting materials or merchandise by handtruck, car, or wheelbarrow. Longshoremens, 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 accord-ance 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, requi-sition 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 con-tainers, 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: Knowl-edge 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; and applying labels or entering identifying data on container. Packers who also make wooden boxes or crates are excluded.

## TOOL AND DIE MAKER—Continued

using a variety of tool and die maker's handtools and precision measuring instruments; under-standing 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; and 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.

## SHIPPING AND RECEIVING CLERK

Prepares merchandise for shipment, or receives and is responsible for incoming ship-ments of merchandise or other materials. Shipping work involves: A knowledge of shipping procedures, practices, routes, available means of transportation, and rate; and preparing rec-ords 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 ship-ment. Receiving work involves: Verifying or directing others in verifying the correctness of shipments against bills of lading, invoices, or other records; checking for shortages and rejecting damaged goods; routing merchandise or materials to proper departments; and maintaining neces-sary 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)



## Area Wage Surveys

A list of the latest available bulletins is presented below. A directory of area wage studies including more limited studies conducted at the request of the Wage and Hour and Public Contracts Divisions of the Department of Labor is available on request. Bulletins may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402, or from any of the BLS regional sales offices shown on the inside front cover.

Area	Bulletin number and price	Area	Bulletin number and price
Akron, Ohio, July 1969 <sup>1</sup>	1625-89, 35 cents	Muskegon-Muskegon Heights, Mich., May 1969	1625-80, 30 cents
Albany-Schenectady-Troy, N.Y., Feb. 1970	1660-51, 30 cents	Newark and Jersey City, N.J., Jan. 1970 <sup>1</sup>	1660-47, 50 cents
Albuquerque, N. Mex., Mar. 1970 <sup>1</sup>	1660-55, 35 cents	New Haven, Conn., Jan. 1970 <sup>1</sup>	1660-40, 35 cents
Allentown-Bethlehem-Easton, Pa.-N.J., May 1969	1625-86, 30 cents	New Orleans, La., Jan. 1970	1660-42, 30 cents
Atlanta, Ga., May 1969	1625-77, 35 cents	New York, N.Y., Apr. 1969	1625-88, 60 cents
Baltimore, Md., Aug. 1969	1660-11, 35 cents	Norfolk-Portsmouth and Newport News- Hampton, Va., Jan. 1970 <sup>1</sup>	1660-59, 35 cents
Beaumont-Port Arthur-Orange, Tex., May 1969 <sup>1</sup>	1625-75, 35 cents	Oklahoma City, Okla., July 1969 <sup>1</sup>	1660-17, 35 cents
Binghamton, N.Y., July 1969	1660-5, 30 cents	Omaha, Nebr.-Iowa, Sept. 1969	1660-12, 30 cents
Birmingham, Ala., Mar. 1970	1660-57, 30 cents	Paterson-Clifton-Passaic, N.J., May 1969	1625-87, 35 cents
Boise City, Idaho, Nov. 1969	1660-34, 25 cents	Philadelphia, Pa.-N.J., Nov. 1969 <sup>1</sup>	1660-48, 60 cents
Boston, Mass., Aug. 1969	1660-16, 45 cents	Phoenix, Ariz., Mar. 1969	1625-60, 30 cents
Buffalo, N.Y., Oct. 1969	1660-29, 45 cents	Pittsburgh, Pa., Jan. 1970 <sup>1</sup>	1660-60, 50 cents
Burlington, Vt., Mar. 1970	1660-53, 25 cents	Portland, Maine, Nov. 1969 <sup>1</sup>	1660-26, 35 cents
Canton, Ohio, May 1969	1625-73, 30 cents	Portland, Oreg.-Wash., May 1969	1625-76, 30 cents
Charleston, W. Va., Apr. 1969	1625-71, 30 cents	Providence-Pawtucket-Warwick, R.I.-Mass., May 1969 <sup>1</sup>	1625-74, 35 cents
Charlotte, N.C., Mar. 1970 <sup>1</sup>	1660-61, 40 cents	Raleigh, N.C., Aug. 1969	1660-6, 30 cents
Chattanooga, Tenn.-Ga., Sept. 1969	1660-9, 30 cents	Richmond, Va., Mar. 1969	1625-69, 30 cents
Chicago, Ill., Apr. 1969 <sup>1</sup>	1625-82, 65 cents	Rochester, N.Y. (office occupations only), July 1969	1660-4, 30 cents
Cincinnati, Ohio-Ky.-Ind., Feb. 1970	1660-49, 35 cents	Rockford, Ill., May 1969	1625-72, 30 cents
Cleveland, Ohio, Sept. 1969	1660-22, 40 cents	St. Louis, Mo.-Ill., Mar. 1969 <sup>1</sup>	1625-64, 50 cents
Columbus, Ohio, Oct. 1969	1660-27, 30 cents	Salt Lake City, Utah, Nov. 1969 <sup>1</sup>	1660-30, 35 cents
Dallas, Tex., Oct. 1969	1660-23, 35 cents	San Antonio, Tex., June 1969 <sup>1</sup>	1625-85, 35 cents
Davenport-Rock Island-Moline, Iowa-Ill., Oct. 1969 <sup>1</sup>	1660-20, 35 cents	San Bernardino-Riverside-Ontario, Calif., Dec. 1969	1660-43, 30 cents
Dayton, Ohio, Dec. 1969	1660-37, 30 cents	San Diego, Calif., Nov. 1969 <sup>1</sup>	1660-36, 35 cents
Denver, Colo., Dec. 1969 <sup>1</sup>	1660-41, 40 cents	San Francisco-Oakland, Calif., Oct. 1969 <sup>1</sup>	1660-33, 50 cents
Des Moines, Iowa, Mar. 1969	1625-62, 30 cents	San Jose, Calif., Sept. 1969 <sup>1</sup>	1660-24, 35 cents
Detroit, Mich., Feb. 1970	1660-58, 35 cents	Savannah, Ga., May 1969	1625-68, 30 cents
Fort Worth, Tex., Oct. 1969	1660-18, 30 cents	Scranton, Pa., July 1969	1660-15, 30 cents
Green Bay, Wis., July 1969	1660-8, 30 cents	Seattle-Everett, Wash., Jan. 1970	1660-52, 30 cents
Greenville, S.C., May 1969 <sup>1</sup>	1625-70, 35 cents	Sioux Falls, S. Dak., Sept. 1969	1660-14, 25 cents
Houston, Tex., May 1969 <sup>1</sup>	1625-83, 45 cents	South Bend, Ind., Mar. 1970 <sup>1</sup>	1660-62, 35 cents
Indianapolis, Ind., Oct. 1969	1660-25, 30 cents	Spokane, Wash., June 1969	1625-81, 30 cents
Jackson, Miss., Jan. 1970	1660-39, 30 cents	Syracuse, N.Y., July 1969	1660-13, 30 cents
Jacksonville, Fla., Dec. 1969	1660-35, 30 cents	Tampa-St. Petersburg, Fla., Aug. 1969 <sup>1</sup>	1660-7, 35 cents
Kansas City, Mo.-Kans., Sept. 1969	1660-10, 35 cents	Toledo, Ohio-Mich., Feb. 1970	1660-56, 30 cents
Lawrence-Haverhill, Mass.-N.H., June 1969	1625-79, 30 cents	Trenton, N.J., Sept. 1969	1660-21, 30 cents
Little Rock-North Little Rock, Ark., July 1969	1660-2, 30 cents	Utica-Rome, N.Y., July 1969	1660-1, 30 cents
Los Angeles-Long Beach and Anaheim-Santa Ana- Garden Grove, Calif., Mar. 1970	1660-64, 45 cents	Washington, D.C.-Md.-Va., Sept. 1969 <sup>1</sup>	1660-19, 50 cents
Louisville, Ky.-Ind., Nov. 1969 <sup>1</sup>	1660-28, 40 cents	Waterbury, Conn., Mar. 1970 <sup>1</sup>	1660-54, 35 cents
Lubbock, Tex., Mar. 1970 <sup>1</sup>	1660-50, 35 cents	Waterloo, Iowa, Jan. 1970	1660-45, 30 cents
Manchester, N.H., July 1969	1660-3, 30 cents	Wichita, Kans., Dec. 1968	1625-41, 30 cents
Memphis, Tenn.-Ark., Nov. 1969 <sup>1</sup>	1660-31, 40 cents	Worcester, Mass., May 1969	1625-84, 30 cents
Miami, Fla., Nov. 1969	1660-32, 30 cents	York, Pa., Feb. 1970 <sup>1</sup>	1660-63, 35 cents
Midland and Odessa, Tex., Jan. 1970 <sup>1</sup>	1660-44, 35 cents	Youngstown-Warren, Ohio, Nov. 1969 <sup>1</sup>	1660-38, 35 cents
Milwaukee, Wis., Apr. 1969	1625-66, 35 cents		
Minneapolis-St. Paul, Minn., Jan. 1970 <sup>1</sup>	1660-46, 50 cents		

<sup>1</sup> Data on establishment practices and supplementary wage provisions are also presented

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