



# **Los Angeles—Riverside— Orange County, CA National Compensation Survey March 1998**

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# Preface

This bulletin provides results of a March 1998 survey of occupational pay in the Los Angeles—Riverside—Orange County, CA, Consolidated Metropolitan Statistical Area (CMSA). Data shown in this bulletin were collected as part of the Bureau of Labor Statistics' (BLS) new program known as the National Compensation Survey (NCS).

The survey could not have been conducted without the cooperation of the many private firms and government jurisdictions that provided pay data included in this bulletin. The Bureau thanks these respondents for their cooperation.

Survey data were collected and reviewed by Bureau of Labor Statistics field economists under the direction of Caryl L. O'Keefe, Assistant Regional Commissioner for Operations of the San Francisco Regional Office. The Office of Compensation and Working Conditions, in cooperation with the Office of Field Operations and the Office of Technology and Survey Processing in the BLS National Office, designed the survey, processed the data, and analyzed the survey results.

For additional information regarding this survey, please contact the BLS San Francisco Regional Office at (415) 975-4350. You may also write to the Bureau of Labor Statistics at: Division of Compensation Data Analysis and Planning, 2 Massachusetts Avenue, NE, Room 4175, Washington, DC 20212-0001, or call (202) 606-6220, or send e-mail to [ocltinfo@bls.gov](mailto:ocltinfo@bls.gov).

The data contained in this bulletin are also available at the BLS Internet site (<http://stats.bls.gov/comhome.htm>). Data are in three formats: an ASCII file containing the published table formats; an ASCII file containing positional columns of data for manipulation as a data base or spreadsheet; and a Portable Document Format (PDF) file containing the entire bulletin.

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# Introduction

This survey of occupational pay was conducted in the Los Angeles—Riverside—Orange County, CA, Consolidated Metropolitan Statistical Area (CMSA). The CMSA includes Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties, CA.

This area was last surveyed in March 1997. Data from the 1997 sample units were updated to reflect March 1998 wage data. Please see Appendix A: Technical Note for details on updating estimates. This bulletin consists primarily of tables whose data are analyzed in the initial textual section. Tabulations provide information on earnings of workers in a variety of occupations and at a wide range of work levels. Also contained in this bulletin is information on the program, a technical note describing survey procedures, and several appendixes with detailed information on occupational classifications and the generic leveling methodology.

## NCS design and products

The Bureau of Labor Statistic's (BLS) new National Compensation Survey (NCS) is designed to provide data on the levels and rates of change of occupational wages and employee benefits for localities, broad geographic regions, and the nation as a whole. One output of the NCS will be the Employment Cost Index, a quarterly measure of the change in employer costs for wages and benefits. This bulletin is limited to data on wages and salaries. These data are similar to those released under the Occupational Compensation Survey (OCS), which has been discontinued.

## NCS more extensive than OCS

The wage data in this bulletin differ from those in previous Occupational Compensation Surveys by providing broader coverage of occupations and establishments within the survey area.

Occupations surveyed for this bulletin were selected using probability techniques from a list of all those present in each establishment. Previous OCS bulletins were limited to a preselected list of occupations, which represented a small subset of all occupations in the economy. Information in the new bulletin is published for a variety of occupation-based data. This new approach includes data on broad occupational classifications such as white-collar workers, major occupational groups such as sales workers, and individual occupations such as cashiers.

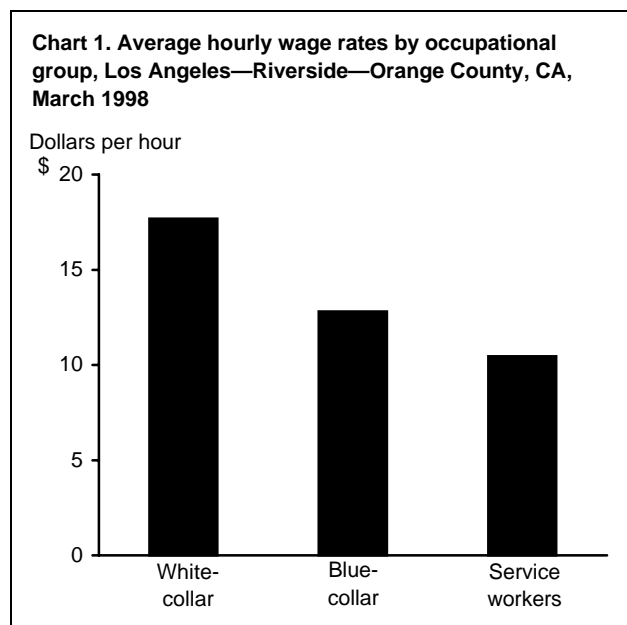
In tables containing work levels within occupational series, the work levels are derived from generic standards that *apply to all* occupational groups. The job levels in the OCS bulletins were based on narrowly-defined descriptions that were not comparable across specific occupations.

Occupational data in this bulletin are also tabulated for other classifications such as industry group, full-time versus part-time workers, union versus nonunion status, time versus incentive status, and establishment employment size. Not all of these series were generated by the OCS program.

The establishments surveyed for this bulletin were limited to those with 50 or more employees. Eventually, NCS will be expanded to cover those now-excluded establishments. Then, virtually all workers in the civilian economy will be surveyed, excluding only agriculture, private households, and employees of the Federal Government.

# Wages in the Los Angeles—Riverside—Orange County, CA Consolidated Metropolitan Statistical Area

Straight-time wages in the Los Angeles—Riverside—Orange County, CA, Consolidated Metropolitan Statistical Area averaged \$17.69 per hour during March 1998. White-collar workers had an average wage of \$22.02 per hour. Blue-collar workers averaged \$12.80 per hour, while service workers had average earnings of \$10.46 per hour. (All comparisons in this analysis cover hourly rates for both full- and part-time workers, unless otherwise noted.)



Within each of these occupational groups, average hourly wages for individual occupations varied. For example, white-collar occupations included registered nurses at \$24.56 per hour, secretaries at \$15.52, and general office clerks at \$11.69. Among occupations in the blue-collar category, truck drivers averaged \$11.72 per hour while stock handlers and baggers averaged \$10.30. Finally, service occupations included janitors and cleaners at \$7.49 per hour and nursing aides, orderlies and attendants at \$8.67 per hour. Table A-1 presents earnings data for 187 detailed occupations; data for other detailed occupations surveyed could not be reported separately due to concerns about the confidentiality of survey respondents and the reliability of the data.

Survey results show that private industry workers in Los Angeles—Riverside—Orange County, CA, earned \$16.74 per hour, while surveyed State and local government workers averaged \$22.20. Table A-2 reports the average hourly rate for white-collar occupations as \$21.70 in private industry and \$23.18 in State and local government. Blue-collar occupations showed an average hourly rate of \$12.35 in private industry and \$20.02 in State and local government. Service occupations within private industry averaged \$8.06 per hour while those found in State and local government averaged \$19.67.

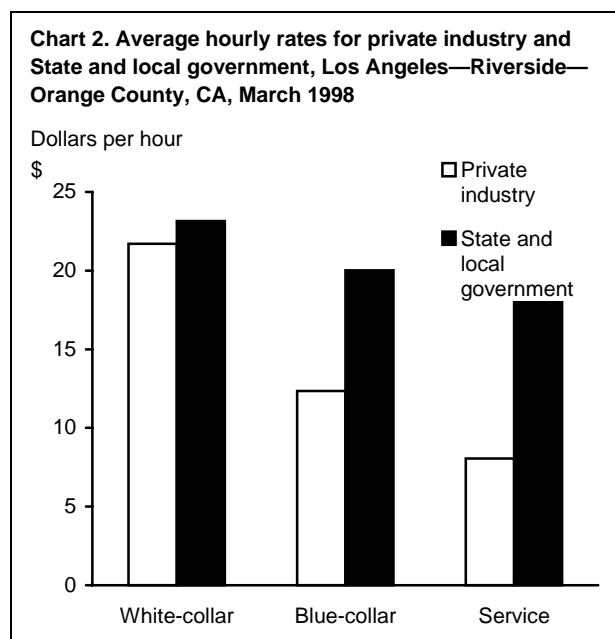
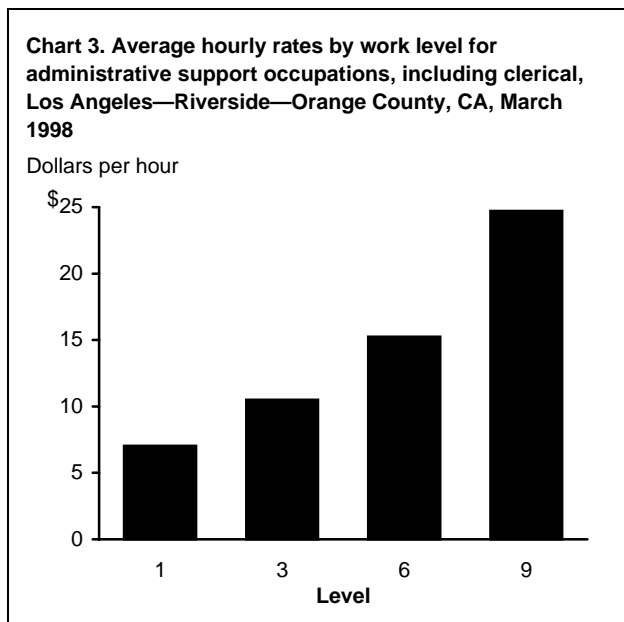


Table A-3 presents data for workers considered by the survey respondents to be either full-time or part-time. Average wages for full-time workers, all occupations, were \$18.59 per hour, compared with an average of \$9.81 per hour for part-time workers.

Data for specific work levels within major occupational groups are reported in table B-1. Occasionally, wage estimates for lower levels of work within major occupational groups are greater than estimates for higher levels. This can occur due to the mix of specific occupations (and industries) represented by the broad group as well as by the variability of the estimate. Some levels within a group may

not be published because no workers were identified at that level or because there were not enough data to guarantee confidentiality and reliability.

Work levels for all major groups span several levels, with professional specialty occupations and executive, administrative, and managerial occupations typically starting and ending at higher work levels than the other groups. Published data for administrative support occupations, including clerical, ranged from level 1 to level 9. As illustrated in Chart 3, the average hourly rate was \$7.04 for level 1, \$10.49 for level 3, \$15.25 for level 6, and \$24.72 for level 9.

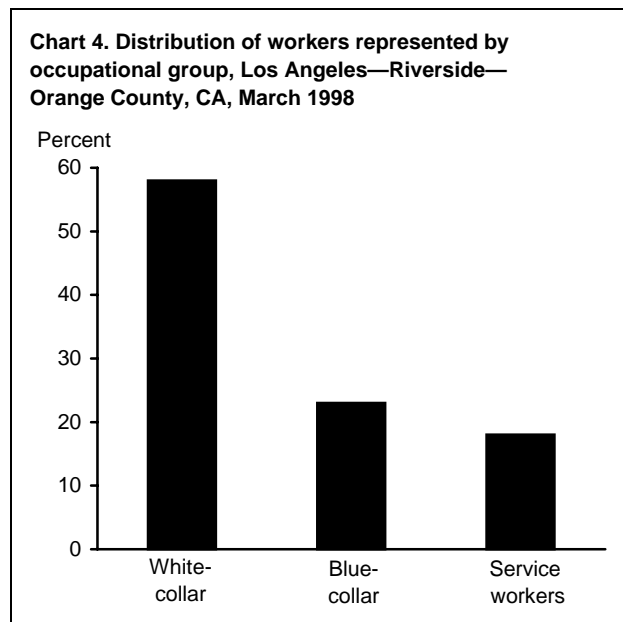


Surveyed union workers had an average hourly rate of \$18.44, as reported in table C-1. Wages for nonunion workers averaged \$17.40. Time workers, whose wages were based solely on an hourly rate or a salary, averaged \$17.55 per hour. Incentive workers, whose wages were at least partially based on productivity payments, averaged \$21.15 per hour.

Table C-2 shows wage data for specific industry divisions within private industry. In the private sector,

hourly wages averaged \$17.43 in all goods-producing industries, \$23.75 in mining, \$18.94 in construction, and \$17.26 in manufacturing. Hourly wages averaged \$13.46 in wholesale and retail trade and \$20.89 in finance, insurance and real estate. Data for other industry divisions did not meet publication criteria.

Table C-4 reports that a total of 3,303,573 workers were represented by the Los Angeles—Riverside—Orange County, CA survey. White-collar occupations included 1,923,407 workers, or 58 percent, blue-collar occupations included 784,497 workers, or 23 percent; and service occupations included 595,669 workers, or 18 percent.



Data are also presented in appendix table 1 on the number of establishments studied by industry group and employment size. The relative standard errors of published mean hourly earnings for all industries, private industry, and State and local government are available in appendix table 2. The average work levels for published occupational groups and selected occupations are presented in appendix table 3.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>All occupations</b> .....	\$17.69	\$6.19	\$8.80	\$13.96	\$22.56	\$33.12
All occupations excluding sales .....	17.68	6.22	8.95	14.08	22.76	33.08
<b>White-collar occupations</b> .....	22.02	9.00	12.31	17.91	27.60	38.90
White-collar occupations excluding sales .....	22.60	9.89	13.00	18.75	28.53	39.21
Professional specialty and technical occupations .....	28.17	14.68	19.76	26.00	33.90	43.61
Professional specialty occupations .....	30.28	17.44	22.26	28.08	36.57	45.14
Engineers, architects, and surveyors .....	32.36	22.95	26.02	30.54	37.30	45.91
Aerospace engineers .....	32.94	21.60	26.40	32.07	38.60	46.13
Civil engineers .....	30.61	24.95	26.95	28.59	29.81	42.37
Electrical and electronic engineers .....	33.96	24.62	26.69	30.77	39.30	47.73
Industrial engineers .....	25.31	21.22	23.40	24.58	27.53	29.54
Mechanical engineers .....	29.46	13.00	27.38	31.20	34.02	35.00
Engineers, N.E.C. ....	31.63	21.73	27.37	31.35	36.03	41.51
Mathematical and computer scientists .....	31.26	19.22	23.51	29.17	34.35	51.26
Computer systems analysts and scientists .....	32.18	18.98	23.52	29.46	35.75	53.00
Operations and systems researchers and analysts .....	24.87	19.39	19.70	22.75	29.95	33.54
Natural scientists .....	27.44	17.73	23.58	26.28	33.03	35.89
Chemists, except biochemists .....	27.35	21.73	24.96	24.96	31.53	35.89
Physical scientists, N.E.C. ....	29.62	25.22	25.96	30.22	33.03	33.57
Medical scientists .....	23.07	17.73	17.73	23.58	26.28	27.27
Health related occupations .....	25.72	17.91	20.07	23.41	27.56	38.00
Physicians .....	42.06	12.98	16.97	42.54	65.00	67.28
Registered nurses .....	24.56	18.54	20.80	23.55	26.56	31.13
Pharmacists .....	32.66	19.38	29.46	35.74	38.00	39.77
Dietitians .....	17.74	12.20	15.43	19.03	20.00	20.31
Respiratory therapists .....	19.12	16.03	18.18	18.91	20.60	21.44
Teachers, college and university .....	34.70	22.39	27.35	33.97	40.19	46.50
Business, commerce and marketing teachers .....	47.32	32.53	33.15	37.50	45.16	107.21
Education teachers .....	47.17	24.13	28.31	28.31	39.38	99.34
English teachers .....	33.31	26.64	28.60	31.71	38.60	40.94
Foreign language teachers .....	30.95	21.87	22.02	25.89	38.60	44.75
Teachers, post secondary, subject not specified .....	34.87	17.45	26.75	35.25	39.89	49.17
Teachers, post secondary N.E.C. ....	34.49	24.89	28.44	34.66	40.04	45.64
Teachers, except college and university .....	30.93	15.87	22.60	30.83	39.05	44.81
Prekindergarten and kindergarten .....	13.10	11.45	11.45	12.38	14.86	17.27
Elementary school teachers .....	33.63	22.18	25.64	32.80	40.95	45.12
Secondary school teachers .....	34.00	23.13	27.23	34.94	39.68	44.81
Teachers, special education .....	30.32	18.74	24.35	29.31	36.14	41.26
Teachers, N.E.C. ....	26.93	12.98	18.33	24.85	34.44	40.66
Substitute teachers .....	17.30	12.14	16.67	17.22	18.83	20.68
Vocational and educational counselors .....	28.84	12.78	18.15	27.91	41.40	46.29
Librarians, archivists, and curators .....	21.23	16.55	20.12	22.56	22.60	22.60
Social scientists and urban planners .....	30.22	16.83	20.67	31.35	33.89	45.63
Psychologists .....	28.70	15.29	16.83	20.83	44.36	47.33
Social, recreation, and religious workers .....	19.32	11.55	13.12	19.00	25.83	27.27
Social workers .....	20.09	11.55	14.39	19.91	26.72	27.27
Recreation workers .....	12.89	6.67	9.80	10.11	18.63	19.00
Lawyers and judges .....	38.94	26.90	31.14	38.24	44.17	54.62
Lawyers .....	38.94	26.90	31.14	38.24	44.17	54.62
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	35.92	9.70	17.50	31.73	42.34	71.17
Designers .....	30.82	15.16	17.50	31.73	39.57	43.99
Actors and directors .....	73.93	33.90	62.50	62.50	112.50	112.50
Editors and reporters .....	42.37	15.75	21.67	37.88	71.17	71.17
Professional occupations, N.E.C. ....	26.56	14.96	20.00	27.03	32.26	37.50
Technical occupations .....	20.46	12.05	14.56	18.52	22.75	29.74
Clinical laboratory technologists and technicians .....	18.93	11.12	12.84	20.19	24.06	25.98
Radiological technicians .....	18.89	16.50	17.50	18.00	20.91	21.74
Licensed practical nurses .....	15.45	12.00	12.94	14.47	16.79	21.72
Health technologists and technicians, N.E.C. ....	15.16	10.48	12.63	15.09	16.61	20.56
Electrical and electronic technicians .....	20.54	13.78	16.79	19.89	23.28	28.57
Engineering technicians, N.E.C. ....	21.51	13.24	16.82	20.67	22.85	32.65
Science technicians, N.E.C. ....	15.90	13.25	13.33	14.68	17.24	20.50

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>White-collar occupations</b> (-Continued)						
Professional specialty and technical occupations (-Continued)						
Technical occupations (-Continued)						
Airplane pilots and navigators .....	\$60.31	\$19.85	\$20.63	\$44.02	\$101.36	\$145.48
Computer programmers .....	24.74	15.43	21.53	26.68	30.00	30.90
Technical and related occupations, N.E.C. ....	22.67	15.00	17.87	20.41	25.64	31.90
Executive, administrative, and managerial occupations ...	31.01	16.44	20.00	26.80	37.18	46.48
Executives, administrators, and managers .....	36.38	17.68	24.01	33.55	42.82	52.03
Administrators and officials, public administration	37.95	27.17	34.40	41.29	44.16	45.08
Financial managers .....	34.04	20.55	24.04	30.92	37.69	48.85
Personnel and labor relations managers .....	34.96	22.09	29.03	37.14	41.16	44.64
Purchasing managers .....	28.96	22.84	27.89	30.50	30.82	30.82
Managers., marketing, advertising and public relations .....	37.51	19.23	27.50	34.86	47.04	54.75
Administrators, education and related fields .....	35.50	24.90	27.40	37.18	40.20	46.21
Managers, medicine and health .....	32.64	21.68	25.44	34.15	37.50	44.45
Managers, food servicing and lodging establishments .....	20.64	14.70	15.55	16.35	25.00	31.35
Managers, service organizations, N.E.C. ....	27.58	16.80	18.06	23.42	32.01	44.72
Managers and administrators, N.E.C. ....	39.74	18.03	24.71	34.25	44.28	61.54
Management related occupations .....	22.75	15.50	17.70	21.63	26.42	31.35
Accountants and auditors .....	21.73	16.31	17.74	21.94	25.15	26.80
Other financial officers .....	23.33	15.38	17.31	18.67	27.00	33.19
Management analysts .....	25.75	17.73	21.66	27.50	29.19	31.35
Personnel, training, and labor relations specialists .....	20.22	12.95	15.05	18.84	22.83	29.05
Purchasing agents and buyers, N.E.C. ....	21.47	17.80	18.41	20.88	23.42	25.03
Construction inspectors .....	25.57	18.76	25.20	26.42	27.74	28.07
Inspectors and compliance officers, except construction .....	23.14	16.64	19.79	23.88	23.88	33.41
Management related occupations, N.E.C. ....	22.79	14.91	18.40	21.63	26.99	31.43
Sales occupations .....	17.76	6.00	7.62	12.30	18.50	37.02
Supervisors, sales occupations .....	29.50	12.50	16.42	18.19	26.51	79.75
Sales occupations, other business services .....	26.68	8.00	12.30	14.66	37.07	58.13
Sales representatives, mining, manufacturing, and wholesale .....	27.36	14.92	19.88	25.54	31.73	37.02
Sales workers, motor vehicles and boats .....	19.67	8.58	10.82	15.42	26.61	35.39
Sales workers, apparel .....	7.36	5.30	5.72	6.10	8.56	9.90
Sales workers, furniture & home furnishings .....	8.23	5.90	6.75	8.25	9.00	10.15
Sales workers, parts .....	13.72	6.25	10.00	13.10	17.14	21.00
Sales workers, other commodities .....	11.67	5.90	6.50	8.36	11.82	21.48
Cashiers .....	10.13	5.75	6.48	9.05	15.49	15.75
Sales support occupations, N.E.C. ....	14.32	8.50	11.18	14.18	16.98	19.85
Administrative support occupations, including clerical	12.98	8.20	10.12	12.66	15.32	18.21
Supervisors, general office .....	16.81	12.14	14.26	17.01	18.12	21.15
Supervisors, financial records processing .....	19.32	15.21	15.63	16.17	22.48	28.58
Supervisors, distribution, scheduling, and adjusting clerks .....	18.81	11.00	14.87	17.00	24.17	26.82
Computer operators .....	17.81	14.36	16.32	17.09	18.87	21.89
Secretaries .....	15.52	11.45	13.42	15.28	17.55	19.42
Typists .....	13.35	11.50	11.50	12.99	14.29	15.23
Interviewers .....	10.85	8.08	9.22	11.05	12.55	13.12
Hotel clerks .....	10.88	5.86	6.62	9.44	16.35	16.63
Transportation ticket and reservation agents .....	13.05	8.59	9.90	12.73	15.32	19.61
Receptionists .....	9.76	7.00	8.30	9.44	11.03	13.00
Information clerks, N.E.C. ....	10.86	8.50	9.42	10.38	12.09	13.56
Order clerks .....	11.62	7.33	9.15	10.50	12.50	19.42
Personnel clerks except payroll & timekeeping ....	12.89	9.00	11.00	12.04	15.25	16.69
Library clerks .....	13.69	11.15	11.15	14.07	15.53	16.48
File clerks .....	7.85	6.50	7.00	7.19	8.50	10.16
Records clerks, N.E.C. ....	13.37	10.10	11.21	11.96	15.36	19.28
Bookkeepers, accounting and auditing clerks .....	13.56	10.50	11.58	13.20	15.00	17.41
Payroll and timekeeping clerks .....	13.05	10.00	12.02	12.37	15.06	15.75

See footnotes at end of table.



**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>White-collar occupations</b> (-Continued)						
Administrative support occupations, including clerical (-Continued)						
Billing clerks .....	\$10.35	\$7.63	\$8.72	\$10.87	\$11.50	\$12.48
Telephone operators .....	10.54	6.75	7.50	9.82	12.53	16.09
Mail clerks except postal service .....	9.89	6.87	8.36	9.81	11.07	12.82
Dispatchers .....	16.74	9.19	14.67	18.56	18.93	22.05
Production coordinators .....	15.99	11.12	12.69	15.23	19.64	22.70
Traffic, shipping and receiving clerks .....	9.78	6.22	7.92	9.58	12.13	13.16
Stock and inventory clerks .....	11.35	7.35	8.61	10.73	15.00	16.53
Meter readers .....	16.47	11.77	12.50	13.75	20.12	23.78
Material recording, scheduling, and distribution clerks, N.E.C. ....	11.22	7.98	8.10	10.47	12.02	24.04
Insurance adjusters, examiners, & investigators ..	17.57	9.92	12.24	16.69	21.53	26.56
Investigators and adjusters except insurance .....	13.77	9.10	10.66	12.94	16.86	19.43
Eligibility clerks, social welfare .....	13.31	12.00	13.39	13.39	13.39	14.42
Bill and account collectors .....	12.14	8.68	11.08	12.15	13.65	15.10
General office clerks .....	11.69	7.50	9.24	11.62	13.50	16.16
Data entry keyers .....	12.58	8.95	10.50	13.26	13.94	16.55
Statistical clerks .....	14.70	7.44	13.50	17.09	17.09	18.08
Teachers' aides .....	11.19	7.65	9.00	11.14	11.98	16.74
Administrative support occupations, N.E.C. ....	13.44	8.76	10.82	13.26	16.14	18.75
<b>Blue-collar occupations</b> .....						
Precision production, craft, and repair occupations .....	12.80	5.85	7.37	10.73	16.99	22.77
Supervisors, mechanics and repairers .....	18.28	9.00	13.17	18.13	22.59	25.89
Automobile mechanics .....	23.62	17.77	20.77	22.16	25.32	33.19
Bus, truck, and stationary engine mechanics .....	17.03	12.34	15.00	15.00	18.25	24.00
Aircraft mechanics except engine .....	16.39	11.90	14.00	17.63	17.63	19.70
Heavy equipment mechanics .....	21.64	19.86	20.70	21.81	21.81	25.64
Industrial machinery repairers .....	23.57	18.33	23.99	23.99	25.89	25.89
Machinery maintenance occupations .....	17.72	13.09	14.21	16.30	20.65	25.74
Electronic repairers, communications and industrial equipment .....	12.81	8.67	9.00	12.00	13.50	21.90
Mechanics and repairers, N.E.C. ....	20.98	17.52	19.73	20.34	22.14	27.68
Carpenters .....	15.71	8.61	11.78	15.37	18.77	23.85
Electricians .....	19.04	15.42	17.29	19.53	21.52	22.30
Painters, construction and maintenance .....	21.31	16.00	16.72	20.00	25.25	28.63
Construction trades, N.E.C. ....	12.83	5.75	5.75	12.12	19.79	19.79
Supervisors, production occupations .....	19.13	14.75	16.06	17.37	22.81	24.71
Tool and die makers .....	23.19	12.95	17.00	19.23	32.07	40.36
Machinists .....	17.74	11.16	15.34	16.72	21.48	22.57
Electrical and electronic equipment assemblers ..	19.33	14.58	17.20	18.64	23.25	23.25
Miscellaneous precision workers, N.E.C. ....	9.09	5.75	6.48	8.46	10.46	13.38
Butchers and meat cutters .....	16.99	10.81	12.65	16.83	19.85	28.13
Inspectors, testers, and graders .....	10.70	5.85	6.57	10.13	15.18	17.03
Water and sewer treatment plant operators .....	16.65	11.31	11.54	14.85	21.72	22.23
Machine operators, assemblers, and inspectors .....	21.07	17.07	20.06	21.34	22.05	24.46
Punching and stamping press operators .....	9.96	5.66	6.67	9.00	11.76	15.05
Grinding, abrading, buffing, and polishing machine operators .....	9.38	6.44	6.65	9.06	10.72	13.78
Fabricating machine operators, N.E.C. ....	8.80	5.29	6.67	7.71	12.25	12.25
Molding and casting machine operators .....	10.62	6.17	7.19	8.34	15.00	18.56
Sawing machine operators .....	7.20	5.20	5.45	6.79	8.26	10.53
Printing press operators .....	7.01	5.80	6.03	6.14	7.57	9.68
Textile cutting machine operators .....	14.86	7.55	8.86	11.83	20.71	26.09
Textile sewing machine operators .....	9.85	7.67	8.66	10.50	11.00	11.00
Packaging and filling machine operators .....	8.05	5.23	6.27	7.90	9.54	11.38
Mixing and blending machine operators .....	10.15	6.39	6.86	9.92	12.93	15.28
Painting and paint spraying machine operators ...	9.70	5.31	7.25	9.09	10.15	12.65
Photographic process machine operators .....	10.61	5.40	5.60	12.08	14.76	14.77
Miscellaneous machine operators, N.E.C. ....	9.84	6.97	8.10	9.44	11.85	13.50
Welders and cutters .....	9.25	5.44	6.25	8.00	10.00	14.80
Assemblers .....	16.26	7.72	9.71	14.44	24.10	25.00
Miscellaneous hand working occupations, N.E.C. ....	9.44	5.67	6.33	9.89	11.76	12.63
	7.79	6.59	6.59	7.47	8.71	9.03

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>Blue-collar occupations</b> (-Continued)						
Machine operators, assemblers, and inspectors (-Continued)						
Production inspectors, checkers and examiners ..	\$10.03	\$7.00	\$8.57	\$9.53	\$11.08	\$13.71
Production testers .....	11.96	8.14	10.10	11.22	14.00	17.50
Transportation and material moving occupations .....	14.36	6.50	8.63	11.92	17.54	25.84
Truck drivers .....	11.72	6.11	8.06	10.75	14.76	18.63
Bus drivers .....	10.41	8.10	8.60	9.20	12.13	15.05
Industrial truck and tractor equipment operators ..	10.89	6.50	7.63	10.72	12.96	17.14
Miscellaneous material moving equipment operators, N.E.C. ....	13.73	9.96	10.47	10.74	13.62	25.63
Handlers, equipment cleaners, helpers, and laborers .....	9.18	5.75	6.20	8.03	10.73	14.88
Groundskeepers and gardeners except farm .....	11.72	5.75	7.83	11.50	15.69	16.74
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	14.19	9.35	9.35	15.65	16.00	20.00
Helpers, mechanics and repairers .....	10.07	5.87	6.33	9.01	12.58	14.98
Construction laborers .....	9.15	6.17	8.00	8.51	9.86	13.61
Production helpers .....	7.93	5.32	6.11	8.04	9.47	10.16
Stock handlers and baggers .....	10.30	5.18	6.50	9.39	13.96	18.06
Machine feeders and offbearers .....	9.09	5.50	5.99	7.63	12.77	12.77
Freight, stock, and material handlers, N.E.C. ....	8.39	5.75	5.75	7.44	9.97	13.12
Vehicle washers and equipment cleaners .....	7.65	5.95	6.00	7.33	8.04	10.96
Hand packers and packagers .....	7.81	5.50	5.87	7.23	9.11	10.59
Laborers except construction, N.E.C. ....	10.10	6.10	6.65	8.60	12.95	15.90
<b>Service occupations</b> .....						
Protective service occupations .....	10.46	5.37	5.88	7.56	12.12	21.21
Supervisors, police and detectives .....	16.88	5.75	7.08	18.00	24.11	29.44
Supervisors, police and detectives .....	32.17	26.63	28.79	32.09	33.08	41.15
Firefighting occupations .....	14.43	5.75	6.35	18.81	21.67	23.50
Police and detectives, public service .....	24.07	18.72	20.33	22.93	26.81	31.47
Sheriffs, bailiffs, and other law enforcement officers .....	21.49	16.31	19.76	24.11	24.11	24.11
Correctional institution officers .....	18.26	12.96	14.27	18.21	22.13	22.13
Guards and police except public service .....	7.53	5.15	6.00	6.82	8.39	10.83
Food service occupations .....	7.43	5.15	5.73	6.19	8.59	11.51
Supervisors, food preparation and service occupations .....	13.23	6.42	10.05	13.46	16.00	17.98
Bartenders .....	7.19	5.15	5.75	7.29	8.76	8.95
Waiters and waitresses .....	5.53	5.15	5.15	5.73	5.75	5.75
Cooks .....	9.48	5.75	7.05	9.39	11.92	12.55
Food counter, fountain, and related occupations .....	6.37	5.15	5.21	5.75	7.35	9.84
Kitchen workers, food preparation .....	7.85	5.36	6.50	7.65	9.22	10.83
Waiters'/Waitresses' assistants .....	5.72	5.15	5.25	5.75	5.75	6.50
Food preparation occupations, N.E.C. ....	6.90	5.50	5.75	6.19	7.68	9.41

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>Service occupations (-Continued)</b>						
Health service occupations .....	\$9.23	\$6.33	\$6.89	\$8.71	\$11.12	\$13.83
Health aides, except nursing .....	11.43	8.28	9.53	11.12	14.05	14.45
Nursing aides, orderlies and attendants .....	8.67	6.08	6.71	8.08	9.95	12.35
Cleaning and building service occupations .....	7.95	5.25	5.75	7.25	9.25	12.57
Supervisors, cleaning & building service workers	13.16	6.10	11.88	13.00	15.73	19.03
Maids and housemen .....	7.22	5.70	6.01	6.50	7.86	10.04
Janitors and cleaners .....	7.49	5.15	5.55	7.06	8.50	10.58
Personal service occupations .....	10.65	5.75	5.99	8.41	11.88	16.68
Attendants, amusement and recreation facilities ..	7.46	5.75	5.75	6.50	8.77	10.67
Public transportation attendants .....	24.30	10.30	14.25	18.77	33.60	49.18
Early childhood teachers' assistants .....	9.13	7.43	8.41	8.41	9.48	11.15
Child care workers, N.E.C. ....	9.93	6.35	7.00	9.45	11.41	14.58
Service occupations, N.E.C. ....	8.81	5.64	5.88	6.47	8.94	16.21

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours. The 10th, 25th, 50th, 75th and 90th percentiles designate position in the earnings distribution. At the 50th percentile, the median, half of the workers receive the same as or more than the rate shown, and half receive the same as or less than the rate shown. At the 25th percentile, one-fourth of the workers earn the same as or less than the rate shown. At the 75th percentile, one-fourth earn the same as or more than the rate shown. The 10th and 90th percentiles follow the same logic.

<sup>2</sup> All workers include full-time and part-time workers.

Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupation <sup>3</sup>	Private industry						State and local government					
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>All occupations</b> .....	\$16.74	\$6.00	\$8.04	\$12.74	\$21.00	\$31.67	\$22.20	\$11.26	\$13.62	\$19.79	\$27.76	\$37.95
All occupations excluding sales .....	16.64	6.00	8.09	12.77	21.14	31.44	22.22	11.26	13.62	19.79	27.77	37.98
<b>White-collar occupations</b> .....	21.70	8.50	11.79	17.31	27.01	38.46	23.18	11.51	13.62	19.83	30.22	40.51
White-collar occupations excluding sales .....	22.41	9.32	12.50	18.30	27.96	38.60	23.20	11.53	13.62	19.91	30.22	40.51
Professional specialty and technical occupations .....	27.41	13.78	18.75	25.06	32.36	42.27	29.71	16.83	21.86	27.65	37.51	44.42
Professional specialty occupations .....	29.88	16.61	21.67	27.46	34.84	45.65	30.93	18.63	23.36	29.31	38.24	44.81
Engineers, architects, and surveyors .....	32.49	22.71	25.91	30.87	37.74	46.13	29.97	27.32	28.59	28.59	30.77	33.37
Aerospace engineers .....	32.94	21.60	26.40	32.07	38.60	46.13	-	-	-	-	-	-
Civil engineers .....	31.93	24.48	24.95	26.17	41.14	45.18	29.42	27.32	28.59	28.59	28.59	37.38
Electrical and electronic engineers .....	34.06	24.62	26.63	31.05	39.30	48.25	-	-	-	-	-	-
Industrial engineers .....	25.31	21.22	23.40	24.45	27.65	29.54	-	-	-	-	-	-
Mechanical engineers .....	28.94	13.00	27.14	31.20	34.87	35.00	-	-	-	-	-	-
Engineers, N.E.C. ....	31.64	21.73	27.37	31.36	36.03	41.51	-	-	-	-	-	-
Mathematical and computer scientists .....	32.26	19.22	23.67	29.81	35.50	53.00	23.88	18.98	21.59	23.52	23.52	31.20
Computer systems analysts and scientists .....	33.48	19.15	25.56	31.14	38.90	53.03	23.88	18.98	21.59	23.52	23.52	31.20
Operations and systems researchers and analysts .....	24.87	19.39	19.70	22.75	29.95	33.54	-	-	-	-	-	-
Natural scientists .....	28.09	17.73	23.22	28.72	33.03	35.89	25.91	21.17	23.58	24.96	26.28	30.22
Chemists, except biochemists .....	28.35	20.69	23.49	31.53	32.39	35.89	-	-	-	-	-	-
Health related occupations .....	26.06	17.97	20.00	24.03	27.91	38.00	23.72	17.29	20.68	21.94	23.41	26.40
Physicians .....	46.46	15.02	16.97	57.35	66.06	81.89	-	-	-	-	-	-
Registered nurses .....	24.86	18.44	20.67	24.21	27.08	31.13	22.83	19.13	21.55	22.12	23.41	26.40
Pharmacists .....	32.66	19.38	21.37	35.74	38.00	39.77	-	-	-	-	-	-
Respiratory therapists .....	19.08	16.02	18.18	18.76	20.60	21.44	-	-	-	-	-	-
Teachers, college and university .....	35.57	20.70	26.06	31.45	40.36	47.96	34.41	22.61	27.65	34.55	40.09	45.85
Business, commerce and marketing teachers .....	47.48	32.53	33.15	37.36	45.21	107.21	-	-	-	-	-	-
Education teachers .....	47.17	24.13	28.31	28.31	39.38	99.34	-	-	-	-	-	-
Teachers, post secondary, subject not specified .....	-	-	-	-	-	-	35.58	16.42	30.00	36.23	39.89	53.33
Teachers, post secondary N.E.C. ....	-	-	-	-	-	-	34.91	24.89	28.94	34.89	40.16	46.30
Teachers, except college and university .....	16.88	10.49	12.00	15.00	20.78	26.41	33.38	20.40	25.64	33.15	40.49	45.51
Elementary school teachers .....	17.71	13.33	13.73	15.87	19.91	26.08	34.58	23.44	26.88	33.49	41.17	45.12
Secondary school teachers .....	21.87	15.63	17.67	20.80	24.96	30.07	34.71	25.32	28.42	35.47	39.69	45.78
Teachers, N.E.C. ....	18.11	10.00	12.98	15.57	22.04	26.51	31.35	18.33	21.76	31.83	37.84	46.85
Substitute teachers .....	-	-	-	-	-	-	17.47	12.14	16.67	17.22	18.83	20.68
Vocational and educational counselors .....	-	-	-	-	-	-	33.01	19.06	19.91	35.20	44.52	47.17
Librarians, archivists, and curators .....	-	-	-	-	-	-	-	-	-	-	-	-
Social scientists and urban planners .....	30.06	20.67	26.76	31.64	33.17	33.89	30.47	14.76	16.83	30.65	44.68	47.60
Social, recreation, and religious workers .....	19.20	10.02	13.60	18.10	25.96	27.52	19.36	11.55	12.21	19.00	25.83	27.27
Social workers .....	21.65	15.64	17.10	19.79	27.49	28.71	19.68	11.55	12.90	19.91	25.83	27.27
Lawyers and judges .....	-	-	-	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	36.41	9.68	17.58	31.88	44.03	71.17	-	-	-	-	-	-
Designers .....	30.82	15.16	17.50	31.73	39.57	43.99	-	-	-	-	-	-
Actors and directors .....	73.93	33.90	62.50	62.50	112.50	112.50	-	-	-	-	-	-
Editors and reporters .....	42.37	15.75	21.67	37.88	71.17	71.17	-	-	-	-	-	-
Professional occupations, N.E.C. ....	26.95	14.24	22.23	27.77	32.26	37.50	-	-	-	-	-	-
Technical occupations .....	20.85	12.00	14.37	18.85	23.28	30.00	18.18	13.10	15.29	17.22	21.84	25.23
Clinical laboratory technologists and technicians .....	19.16	11.10	13.76	20.19	24.06	26.02	-	-	-	-	-	-
Radiological technicians .....	18.89	16.50	17.50	18.00	20.91	21.74	-	-	-	-	-	-
Licensed practical nurses .....	15.46	11.99	12.91	14.24	16.82	21.72	-	-	-	-	-	-
Health technologists and technicians, N.E.C. ....	14.69	9.50	11.50	14.56	16.61	20.56	-	-	-	-	-	-
Electrical and electronic technicians .....	20.31	13.74	16.59	19.59	23.28	27.75	26.59	21.92	24.63	28.57	28.57	28.57
Engineering technicians, N.E.C. ....	21.70	10.15	16.04	20.67	25.35	35.05	-	-	-	-	-	-
Science technicians, N.E.C. ....	-	-	-	-	-	-	15.38	13.21	13.33	14.52	17.11	18.86
Airplane pilots and navigators .....	69.44	16.42	21.32	49.50	121.06	155.82	-	-	-	-	-	-
Computer programmers .....	25.14	11.55	21.73	27.31	30.09	30.90	-	-	-	-	-	-

See footnotes at end of table.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	Private industry						State and local government					
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>White-collar occupations (-Continued)</b>												
Professional specialty and technical occupations (-Continued)												
Technical occupations (-Continued)												
Technical and related occupations, N.E.C. ....	\$23.39	\$14.94	\$17.11	\$21.50	\$26.50	\$33.63	\$19.39	\$17.07	\$17.87	\$18.94	\$20.41	\$22.88
Executive, administrative, and managerial occupations	31.87	16.73	20.56	27.21	37.69	48.08	25.94	15.55	18.03	23.75	33.98	41.03
Executives, administrators, and managers	37.40	18.75	24.74	33.82	43.79	54.28	29.82	15.55	18.03	30.82	37.87	42.19
Administrators and officials, public administration	—	—	—	—	—	—	36.82	27.17	34.40	41.29	41.83	45.08
Financial managers	33.85	20.55	24.04	29.90	37.69	47.14	40.18	28.35	32.45	35.60	48.85	48.85
Personnel and labor relations managers	33.84	22.09	29.03	31.13	40.40	44.64	—	—	—	—	—	—
Managers, marketing, advertising and public relations	38.29	22.77	27.50	37.01	48.66	59.62	—	—	—	—	—	—
Administrators, education and related fields	25.82	17.68	23.64	25.60	27.40	33.38	39.90	36.19	37.18	37.56	44.29	46.48
Managers, medicine and health	33.13	21.68	28.00	34.15	37.50	44.45	—	—	—	—	—	—
Managers, food servicing and lodging establishments	23.92	16.35	17.30	20.48	29.86	33.65	—	—	—	—	—	—
Managers, service organizations, N.E.C. ....	27.98	16.80	16.82	23.83	33.93	52.00	—	—	—	—	—	—
Managers and administrators, N.E.C.	41.45	18.75	25.74	35.65	46.48	63.42	26.35	18.03	18.03	22.51	33.98	37.87
Management related occupations	23.10	15.38	17.55	21.94	27.00	32.46	20.91	16.27	18.18	20.37	25.08	25.15
Accountants and auditors	21.67	16.20	17.55	21.78	25.60	27.00	21.95	16.84	18.18	25.08	25.08	25.15
Other financial officers	23.33	15.38	17.31	18.67	27.00	33.19	—	—	—	—	—	—
Management analysts	25.91	17.73	21.70	27.50	29.19	31.35	—	—	—	—	—	—
Personnel, training, and labor relations specialists	21.92	12.82	18.84	21.53	23.14	32.46	—	—	—	—	—	—
Purchasing agents and buyers, N.E.C. ....	21.47	17.80	18.41	20.88	23.42	25.03	—	—	—	—	—	—
Construction inspectors	—	—	—	—	—	—	25.11	18.76	25.07	26.42	26.42	27.74
Management related occupations, N.E.C. ....	23.29	14.78	17.86	23.24	27.93	32.50	20.01	18.00	20.03	20.37	20.37	20.37
Sales occupations	17.78	6.00	7.60	12.31	18.50	37.02	—	—	—	—	—	—
Supervisors, sales occupations	29.50	12.50	16.42	18.19	26.51	79.75	—	—	—	—	—	—
Sales occupations, other business services	26.68	8.00	12.30	14.66	37.07	58.13	—	—	—	—	—	—
Sales representatives, mining, manufacturing, and wholesale	27.36	14.92	19.88	25.54	31.73	37.02	—	—	—	—	—	—
Sales workers, motor vehicles and boats	19.67	8.58	10.82	15.42	26.61	35.39	—	—	—	—	—	—
Sales workers, apparel	7.36	5.30	5.72	6.10	8.56	9.90	—	—	—	—	—	—
Sales workers, furniture & home furnishings	8.23	5.90	6.75	8.25	9.00	10.15	—	—	—	—	—	—
Sales workers, parts	13.72	6.25	10.00	13.10	17.14	21.00	—	—	—	—	—	—
Sales workers, other commodities	11.67	5.90	6.50	8.36	11.82	21.48	—	—	—	—	—	—
Cashiers	10.12	5.75	6.44	9.05	15.75	15.75	—	—	—	—	—	—
Sales support occupations, N.E.C. ....	14.32	8.50	11.18	14.18	16.98	19.85	—	—	—	—	—	—
Administrative support occupations, including clerical	12.71	8.00	9.67	12.23	15.15	18.24	13.91	10.34	11.54	13.39	15.75	18.12
Supervisors, general office	16.02	11.00	12.98	14.42	18.25	21.71	17.80	14.26	15.89	17.77	18.12	18.93
Supervisors, financial records processing	18.97	15.21	15.63	16.17	21.69	24.82	—	—	—	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	17.64	11.00	11.00	17.00	23.00	24.17	—	—	—	—	—	—
Computer operators	17.81	14.36	16.32	17.09	18.87	21.89	—	—	—	—	—	—
Secretaries	15.35	11.08	13.06	14.98	17.31	19.43	16.31	13.47	13.86	15.94	18.08	18.56
Interviewers	10.85	8.08	9.22	11.05	12.55	13.23	—	—	—	—	—	—
Hotel clerks	10.88	5.86	6.62	9.44	16.35	16.63	—	—	—	—	—	—
Transportation ticket and reservation agents	13.05	8.59	9.90	12.73	15.32	19.61	—	—	—	—	—	—

See footnotes at end of table.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	Private industry						State and local government						
	Mean	Percentiles					Mean	Percentiles					
		10	25	Median 50	75	90		10	25	Median 50	75	90	
<b>White-collar occupations (-Continued)</b>													
Administrative support occupations, including clerical (-Continued)													
Receptionists .....	\$9.72	\$7.00	\$8.30	\$9.44	\$11.03	\$12.95	—	—	—	—	—	—	—
Information clerks, N.E.C. ....	10.85	8.50	9.42	10.33	12.09	13.64	—	—	—	—	—	—	—
Order clerks .....	11.04	7.21	9.15	10.39	12.50	15.15	—	—	—	—	—	—	—
Personnel clerks except payroll & timekeeping .....	12.89	9.00	11.00	12.04	15.25	16.69	—	—	—	—	—	—	—
Library clerks .....	13.78	7.36	12.89	15.21	16.25	16.48	\$13.66	\$11.15	\$11.15	\$13.07	\$15.44	\$15.78	—
File clerks .....	7.85	6.50	7.00	7.19	8.50	10.16	—	—	—	—	—	—	—
Records clerks, N.E.C. ....	14.37	9.54	10.73	13.71	17.09	21.08	12.08	11.21	11.21	11.21	12.47	14.37	—
Bookkeepers, accounting and auditing clerks .....	13.38	10.50	11.54	13.06	14.66	17.05	15.13	11.52	13.37	15.70	17.89	18.68	—
Payroll and timekeeping clerks .....	13.40	10.00	12.37	12.37	15.38	16.70	—	—	—	—	—	—	—
Billing clerks .....	10.35	7.63	8.72	10.87	11.50	12.48	—	—	—	—	—	—	—
Telephone operators .....	8.22	6.75	7.38	8.24	9.82	10.21	—	—	—	—	—	—	—
Mail clerks except postal service .....	10.08	6.30	8.65	9.82	11.30	12.82	—	—	—	—	—	—	—
Dispatchers .....	13.50	8.77	9.03	11.84	17.12	20.39	18.64	15.75	17.75	18.93	18.93	22.05	—
Production coordinators .....	16.00	11.12	12.69	15.23	19.64	22.70	—	—	—	—	—	—	—
Traffic, shipping and receiving clerks .....	9.78	6.22	7.92	9.58	12.13	13.16	—	—	—	—	—	—	—
Stock and inventory clerks .....	11.17	7.35	8.47	10.47	13.00	15.86	—	—	—	—	—	—	—
Material recording, scheduling, and distribution clerks, N.E.C. ....	11.22	7.98	8.10	10.47	12.02	24.04	—	—	—	—	—	—	—
Insurance adjusters, examiners, & investigators .....	17.57	9.92	12.24	16.69	21.53	26.56	—	—	—	—	—	—	—
Investigators and adjusters except insurance .....	13.46	9.10	10.66	12.70	16.06	19.43	—	—	—	—	—	—	—
Eligibility clerks, social welfare .....	—	—	—	—	—	—	13.41	12.72	13.39	13.39	13.39	14.05	—
Bill and account collectors .....	11.95	8.68	10.98	11.94	13.43	14.79	—	—	—	—	—	—	—
General office clerks .....	10.87	6.25	8.32	10.24	12.86	16.03	12.89	10.05	11.21	12.67	14.12	16.38	—
Data entry keyers .....	12.32	8.21	9.35	11.77	15.15	17.04	—	—	—	—	—	—	—
Statistical clerks .....	14.70	7.44	13.50	17.09	17.09	18.08	—	—	—	—	—	—	—
Teachers' aides .....	9.65	6.86	7.65	7.65	9.33	18.09	11.31	8.28	9.09	11.20	12.00	16.74	—
Administrative support occupations, N.E.C. ....	12.94	8.50	10.51	12.30	15.00	18.75	15.95	12.98	14.37	16.26	17.61	20.08	—
<b>Blue-collar occupations</b>	12.35	5.79	7.23	10.24	16.00	22.30	20.02	13.26	15.69	19.79	24.46	28.52	—
Precision production, craft, and repair occupations .....	17.75	8.61	12.73	17.64	22.30	25.36	22.50	16.15	19.70	21.35	27.59	28.52	—
Supervisors, mechanics and repairers .....	23.18	17.16	19.73	22.16	25.32	29.23	—	—	—	—	—	—	—
Automobile mechanics .....	16.85	12.13	15.00	15.00	18.25	24.00	—	—	—	—	—	—	—
Aircraft mechanics except engine .....	21.64	19.86	20.70	21.81	21.81	25.64	—	—	—	—	—	—	—
Industrial machinery repairers .....	16.74	13.09	14.21	16.30	20.65	21.04	—	—	—	—	—	—	—
Machinery maintenance occupations .....	12.81	8.67	9.00	12.00	13.50	21.90	—	—	—	—	—	—	—
Electronic repairers, communications and industrial equipment .....	20.85	17.52	17.91	20.34	21.08	27.68	—	—	—	—	—	—	—
Mechanics and repairers, N.E.C. ....	15.16	8.07	11.54	14.36	18.48	22.90	18.03	12.07	14.40	18.13	20.41	27.59	—
Carpenters .....	18.37	13.50	16.77	18.09	21.44	21.98	—	—	—	—	—	—	—
Electricians .....	20.70	16.00	16.00	19.52	24.10	30.22	—	—	—	—	—	—	—
Painters, construction and maintenance .....	9.92	5.75	5.75	9.00	14.00	16.58	—	—	—	—	—	—	—
Construction trades, N.E.C. ....	—	—	—	—	—	—	16.85	14.73	15.52	16.15	17.37	21.18	—
Supervisors, production occupations ..	22.73	12.95	16.13	19.23	30.25	40.36	—	—	—	—	—	—	—
Tool and die makers .....	17.74	11.16	15.34	16.72	21.48	22.57	—	—	—	—	—	—	—
Machinists .....	19.33	14.58	17.20	18.64	23.25	23.25	—	—	—	—	—	—	—
Electrical and electronic equipment assemblers .....	9.09	5.75	6.48	8.46	10.46	13.38	—	—	—	—	—	—	—
Miscellaneous precision workers, N.E.C. ....	16.99	10.81	12.65	16.83	19.85	28.13	—	—	—	—	—	—	—
Butchers and meat cutters .....	10.70	5.85	6.57	10.13	15.18	17.03	—	—	—	—	—	—	—
Inspectors, testers, and graders .....	16.42	11.31	11.54	14.85	21.57	22.14	—	—	—	—	—	—	—
Water and sewer treatment plant operators .....	—	—	—	—	—	—	21.12	17.07	21.34	21.34	22.05	24.46	—
Machine operators, assemblers, and inspectors .....	9.89	5.66	6.66	9.00	11.76	14.90	—	—	—	—	—	—	—

See footnotes at end of table.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	Private industry						State and local government						
	Mean	Percentiles					Mean	Percentiles					
		10	25	Median 50	75	90		10	25	Median 50	75	90	
<b>Blue-collar occupations</b> (-Continued)													
Machine operators, assemblers, and inspectors (-Continued)													
Punching and stamping press operators .....	\$9.38	\$6.44	\$6.65	\$9.06	\$10.72	\$13.78	-	-	-	-	-	-	-
Grinding, abrading, buffing, and polishing machine operators .....	8.80	5.29	6.67	7.71	12.25	12.25	-	-	-	-	-	-	-
Fabricating machine operators, N.E.C. ....	10.62	6.17	7.19	8.34	15.00	18.56	-	-	-	-	-	-	-
Molding and casting machine operators .....	7.20	5.20	5.45	6.79	8.26	10.53	-	-	-	-	-	-	-
Sawing machine operators .....	7.01	5.80	6.03	6.14	7.57	9.68	-	-	-	-	-	-	-
Printing press operators .....	14.86	7.55	8.86	11.83	20.71	26.09	-	-	-	-	-	-	-
Textile cutting machine operators .....	9.85	7.67	8.66	10.50	11.00	11.00	-	-	-	-	-	-	-
Textile sewing machine operators .....	8.05	5.23	6.27	7.90	9.54	11.38	-	-	-	-	-	-	-
Packaging and filling machine operators .....	10.15	6.39	6.86	9.92	12.93	15.28	-	-	-	-	-	-	-
Mixing and blending machine operators .....	9.70	5.31	7.25	9.09	10.15	12.65	-	-	-	-	-	-	-
Painting and paint spraying machine operators .....	10.61	5.40	5.60	12.08	14.76	14.77	-	-	-	-	-	-	-
Photographic process machine operators .....	9.84	6.97	8.10	9.44	11.85	13.50	-	-	-	-	-	-	-
Miscellaneous machine operators, N.E.C. ....	8.89	5.41	6.25	7.95	9.88	13.50	-	-	-	-	-	-	-
Welders and cutters .....	15.69	7.66	9.16	13.40	24.00	25.00	-	-	-	-	-	-	-
Assemblers .....	9.44	5.67	6.33	9.89	11.76	12.63	-	-	-	-	-	-	-
Miscellaneous hand working occupations, N.E.C. ....	7.79	6.59	6.59	7.47	8.71	9.03	-	-	-	-	-	-	-
Production inspectors, checkers and examiners .....	10.03	7.00	8.57	9.53	11.08	13.71	-	-	-	-	-	-	-
Production testers .....	11.96	8.14	10.10	11.22	14.00	17.50	-	-	-	-	-	-	-
Transportation and material moving occupations .....	14.04	6.50	8.39	10.82	16.97	25.84	\$17.73	\$12.71	\$14.48	\$16.71	\$21.34	\$25.63	\$25.63
Truck drivers .....	11.12	6.11	7.79	10.23	13.94	18.63	-	-	-	-	-	-	-
Bus drivers .....	8.98	8.00	8.35	8.95	9.20	10.11	-	-	-	-	-	-	-
Industrial truck and tractor equipment operators .....	10.89	6.50	7.63	10.72	12.96	17.14	-	-	-	-	-	-	-
Miscellaneous material moving equipment operators, N.E.C. ....	11.15	9.96	9.98	10.74	11.88	13.62	-	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers .....	8.91	5.71	6.16	7.87	10.30	13.96	15.00	10.00	13.12	14.63	16.74	19.49	19.49
Groundskeepers and gardeners except farm .....	9.21	5.25	6.00	11.50	12.15	12.15	-	-	-	-	-	-	-
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	14.19	9.35	9.35	15.65	16.00	20.00	-	-	-	-	-	-	-
Helpers, mechanics and repairers .....	8.66	5.87	6.25	8.11	10.50	12.58	-	-	-	-	-	-	-
Construction laborers .....	9.01	6.17	7.89	8.51	9.23	13.01	-	-	-	-	-	-	-
Production helpers .....	7.93	5.32	6.11	8.04	9.47	10.16	-	-	-	-	-	-	-
Stock handlers and baggers .....	10.30	5.18	6.50	9.39	13.96	18.06	-	-	-	-	-	-	-
Machine feeders and offbearers .....	9.09	5.50	5.99	7.63	12.77	12.77	-	-	-	-	-	-	-
Freight, stock, and material handlers, N.E.C. ....	8.39	5.75	5.75	7.44	9.97	13.12	-	-	-	-	-	-	-
Vehicle washers and equipment cleaners .....	7.65	5.95	6.00	7.33	8.04	10.96	-	-	-	-	-	-	-
Hand packers and packagers .....	7.81	5.50	5.87	7.23	9.11	10.59	-	-	-	-	-	-	-
Laborers except construction, N.E.C. ....	9.50	5.89	6.50	7.87	10.45	15.44	14.58	10.00	13.12	14.63	15.53	21.79	21.79
<b>Service occupations</b> .....	8.06	5.21	5.75	6.95	9.05	12.40	19.67	9.25	12.57	19.91	25.19	29.77	29.77
Protective service occupations .....	7.98	5.15	6.00	6.89	8.62	11.75	22.79	13.59	18.91	22.56	26.63	32.09	32.09
Supervisors, police and detectives .....	-	-	-	-	-	-	32.17	26.63	28.79	32.09	33.08	41.15	41.15
Firefighting occupations .....	-	-	-	-	-	-	14.43	5.75	6.35	18.81	21.67	23.50	23.50
Police and detectives, public service ..	-	-	-	-	-	-	24.07	18.72	20.33	22.93	26.81	31.47	31.47
Sheriffs, bailiffs, and other law enforcement officers .....	-	-	-	-	-	-	21.49	16.31	19.76	24.11	24.11	24.11	24.11

See footnotes at end of table.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	Private industry						State and local government					
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>Service occupations (-Continued)</b>												
Protective service occupations (-Continued)												
Correctional institution officers .....	—	—	—	—	—	—	\$18.26	\$12.96	\$14.27	\$18.21	\$22.13	\$22.13
Guards and police except public service .....	\$7.36	\$5.15	\$5.87	\$6.82	\$8.00	\$10.45	—	—	—	—	—	—
Food service occupations .....	7.26	5.15	5.70	6.03	8.04	11.12	10.19	7.87	8.85	10.05	11.51	12.65
Supervisors, food preparation and service occupations .....	13.74	6.42	10.72	15.00	17.67	17.98	—	—	—	—	—	—
Bartenders .....	7.19	5.15	5.75	7.29	8.76	8.95	—	—	—	—	—	—
Waiters and waitresses .....	5.53	5.15	5.15	5.73	5.75	5.75	—	—	—	—	—	—
Cooks .....	9.44	5.75	7.00	9.22	12.02	12.55	—	—	—	—	—	—
Food counter, fountain, and related occupations .....	6.37	5.15	5.21	5.75	7.35	9.84	—	—	—	—	—	—
Kitchen workers, food preparation .....	7.51	5.36	6.50	7.37	8.55	9.38	—	—	—	—	—	—
Waiters/Waitresses' assistants .....	5.72	5.15	5.25	5.75	5.75	6.50	—	—	—	—	—	—
Food preparation occupations, N.E.C. ....	6.58	5.50	5.75	6.07	7.40	8.65	9.37	7.60	8.45	9.00	10.94	11.17
Health service occupations .....	8.99	6.25	6.80	8.46	10.46	12.88	12.11	8.93	10.66	12.39	14.29	14.46
Health aides, except nursing .....	10.92	8.21	9.00	10.42	12.90	14.05	—	—	—	—	—	—
Nursing aides, orderlies and attendants .....	8.58	6.07	6.66	7.97	9.73	12.35	10.59	8.93	8.93	10.59	11.69	12.40
Cleaning and building service occupations .....	7.59	5.15	5.70	6.95	8.40	10.99	12.27	9.27	10.58	12.23	13.30	14.98
Supervisors, cleaning & building service workers .....	12.77	6.10	10.38	12.86	14.81	20.39	—	—	—	—	—	—
Maids and housemen .....	7.22	5.70	6.01	6.50	7.86	10.04	—	—	—	—	—	—
Janitors and cleaners .....	7.12	5.15	5.55	6.60	7.84	9.97	11.69	8.95	10.36	12.09	13.16	13.68
Personal service occupations .....	10.43	5.74	5.88	7.90	11.76	16.55	12.21	7.43	8.61	9.64	12.46	19.43
Attendants, amusement and recreation facilities .....	7.43	5.75	5.75	6.50	8.77	10.67	—	—	—	—	—	—
Public transportation attendants .....	24.30	10.30	14.25	18.77	33.60	49.18	—	—	—	—	—	—
Early childhood teachers' assistants ..	—	—	—	—	—	—	9.57	7.43	8.17	8.74	11.03	13.74
Child care workers, N.E.C. ....	10.12	6.04	6.71	8.53	11.60	15.01	9.50	8.45	9.00	9.64	10.49	11.04
Service occupations, N.E.C. ....	7.66	5.62	5.75	6.17	7.49	14.10	—	—	—	—	—	—

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours. The 10th, 25th, 50th, 75th and 90th percentiles designate position in the earnings distribution. At the 50th percentile, the median, half of the workers receive the same as or more than the rate shown, and half receive the same as or less than the rate shown. At the 25th percentile, one-fourth of the workers earn the same as or less than the rate shown. At the 75th percentile, one-fourth earn the same as or more than the rate shown. The 10th and 90th percentiles follow the same logic.

<sup>2</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be

considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means not elsewhere classified. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.



**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupation <sup>3</sup>	All industries											
	Full-time						Part-time					
	Mean	Percentiles					Mean	Percentiles				
10		25	Median 50	75	90	10		25	Median 50	75	90	
<b>All occupations</b> .....	\$18.59	\$6.58	\$9.78	\$15.00	\$23.60	\$34.15	\$9.81	\$5.48	\$5.83	\$7.50	\$10.47	\$16.67
All occupations excluding sales .....	18.44	6.55	9.75	15.00	23.58	33.75	10.17	5.40	5.78	7.73	10.66	18.06
<b>White-collar occupations</b> .....	22.99	10.12	13.17	18.80	28.76	40.10	12.27	5.90	7.20	9.02	14.56	21.51
White-collar occupations excluding sales .....	23.21	10.50	13.39	19.37	29.23	40.00	14.38	7.44	8.24	10.64	16.97	27.25
Professional specialty and technical occupations .....	28.65	15.10	20.26	26.28	34.40	44.15	21.18	9.02	13.90	18.83	27.55	36.03
Professional specialty occupations .....	30.83	18.00	22.89	28.59	36.95	45.67	22.73	9.29	16.42	20.65	28.53	37.50
Engineers, architects, and surveyors .....	32.41	22.97	26.02	30.59	37.33	45.91	-	-	-	-	-	-
Aerospace engineers .....	32.94	21.60	26.40	32.07	38.60	46.13	-	-	-	-	-	-
Civil engineers .....	30.61	24.95	26.95	28.59	29.81	42.37	-	-	-	-	-	-
Electrical and electronic engineers .....	34.24	24.85	26.85	30.77	39.30	47.83	-	-	-	-	-	-
Industrial engineers .....	25.31	21.22	23.40	24.58	27.53	29.54	-	-	-	-	-	-
Mechanical engineers .....	29.46	13.00	27.38	31.20	34.02	35.00	-	-	-	-	-	-
Engineers, N.E.C. ....	31.63	21.73	27.37	31.35	36.03	41.51	-	-	-	-	-	-
Mathematical and computer scientists .....	31.26	19.22	23.51	29.17	34.35	51.26	-	-	-	-	-	-
Computer systems analysts and scientists .....	32.18	18.98	23.52	29.46	35.75	53.00	-	-	-	-	-	-
Operations and systems researchers and analysts .....	24.87	19.39	19.70	22.75	29.95	33.54	-	-	-	-	-	-
Natural scientists .....	27.44	17.73	23.58	26.28	33.03	35.89	-	-	-	-	-	-
Chemists, except biochemists .....	27.35	21.73	24.96	24.96	31.53	35.89	-	-	-	-	-	-
Physical scientists, N.E.C. ....	29.62	25.22	25.96	30.22	33.03	33.57	-	-	-	-	-	-
Medical scientists .....	23.07	17.73	17.73	23.58	26.28	27.27	-	-	-	-	-	-
Health related occupations .....	25.95	17.91	20.34	23.41	27.52	38.00	24.27	18.18	19.02	23.14	27.91	32.92
Physicians .....	41.80	12.98	16.97	42.54	65.00	67.28	-	-	-	-	-	-
Registered nurses .....	24.80	18.54	21.24	23.69	26.61	31.13	23.18	18.71	19.40	22.84	26.25	28.53
Dietitians .....	17.74	12.20	15.43	19.03	20.00	20.31	-	-	-	-	-	-
Respiratory therapists .....	19.35	16.88	18.76	19.63	20.60	21.49	-	-	-	-	-	-
Teachers, college and university .....	35.80	22.61	28.02	34.45	40.87	49.09	31.31	19.38	24.90	31.37	37.50	41.93
Business, commerce and marketing teachers .....	47.48	32.53	33.15	37.36	45.21	107.21	-	-	-	-	-	-
English teachers .....	32.93	26.64	28.60	31.71	38.60	40.94	-	-	-	-	-	-
Teachers, post secondary, subject not specified .....	38.95	26.40	32.04	37.47	40.05	53.33	-	-	-	-	-	-
Teachers, post secondary N.E.C. ....	35.98	25.45	30.32	35.79	41.41	48.94	31.43	22.77	24.89	32.82	37.49	41.93
Teachers, except college and university .....	31.51	16.92	23.67	31.52	39.68	45.12	22.71	12.14	16.67	18.83	31.50	37.84
Elementary school teachers .....	33.69	22.18	25.64	32.90	41.05	45.12	-	-	-	-	-	-
Secondary school teachers .....	34.10	23.44	27.38	35.00	39.68	44.81	-	-	-	-	-	-
Teachers, special education .....	30.32	18.74	24.35	29.31	36.14	41.26	-	-	-	-	-	-
Teachers, N.E.C. ....	26.28	13.26	18.33	23.20	31.83	44.87	29.51	11.08	20.00	36.03	37.84	38.37
Substitute teachers .....	-	-	-	-	-	-	17.30	12.14	16.67	17.22	18.83	20.68
Vocational and educational counselors .....	28.91	12.78	18.15	28.65	41.44	46.29	-	-	-	-	-	-
Librarians, archivists, and curators .....	21.23	16.55	20.12	22.56	22.60	22.60	-	-	-	-	-	-
Social scientists and urban planners .....	30.02	16.83	20.83	31.35	33.41	44.68	-	-	-	-	-	-
Psychologists .....	28.18	15.29	16.83	20.83	43.34	46.33	-	-	-	-	-	-
Social, recreation, and religious workers .....	19.53	11.55	13.60	19.00	25.96	27.27	-	-	-	-	-	-
Social workers .....	20.12	11.55	14.39	19.96	27.27	27.27	-	-	-	-	-	-
Lawyers and judges .....	38.94	26.90	31.14	38.24	44.17	54.62	-	-	-	-	-	-
Lawyers .....	38.94	26.90	31.14	38.24	44.17	54.62	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	40.68	16.00	23.87	35.00	45.67	71.17	15.21	6.00	8.31	9.68	19.55	37.40
Designers .....	30.82	15.16	17.50	31.73	39.57	43.99	-	-	-	-	-	-
Editors and reporters .....	42.37	15.75	21.67	37.88	71.17	71.17	-	-	-	-	-	-
Professional occupations, N.E.C. ....	25.94	14.96	19.68	25.88	30.43	37.50	-	-	-	-	-	-
Technical occupations .....	20.83	12.23	15.00	19.00	23.17	30.00	13.43	9.02	11.55	14.00	15.00	17.50
Clinical laboratory technologists and technicians .....	19.03	11.12	12.78	20.19	24.06	25.98	-	-	-	-	-	-
Radiological technicians .....	18.89	16.50	18.00	18.00	20.70	22.04	-	-	-	-	-	-
Licensed practical nurses .....	15.73	12.16	12.99	14.50	17.71	21.72	14.04	11.99	12.27	14.40	15.00	16.03
Health technologists and technicians, N.E.C. ....	15.26	10.48	12.68	15.13	16.81	20.56	-	-	-	-	-	-

See footnotes at end of table.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries											
	Full-time						Part-time					
	Mean	Percentiles					Mean	Percentiles				
10		25	Median 50	75	90	10		25	Median 50	75	90	
<b>White-collar occupations (-Continued)</b>												
Professional specialty and technical occupations (-Continued)												
Technical occupations (-Continued)												
Electrical and electronic technicians ...	\$20.54	\$13.78	\$16.79	\$19.89	\$23.28	\$28.57	-	-	-	-	-	-
Engineering technicians, N.E.C. ....	21.82	10.15	17.09	20.81	23.50	33.10	-	-	-	-	-	-
Science technicians, N.E.C. ....	15.80	13.21	13.33	14.56	16.59	21.04	-	-	-	-	-	-
Airplane pilots and navigators .....	60.31	19.85	20.63	44.02	101.36	145.48	-	-	-	-	-	-
Computer programmers .....	26.10	20.50	22.32	26.68	30.00	30.90	-	-	-	-	-	-
Technical and related occupations, N.E.C. ....	22.67	15.00	17.87	20.41	25.64	31.90	-	-	-	-	-	-
Executive, administrative, and managerial occupations .....	30.95	16.46	20.00	26.75	37.01	46.15	\$41.07	\$10.00	\$15.76	\$50.00	\$52.00	\$53.66
Executives, administrators, and managers .....	36.32	18.00	24.01	33.04	42.19	51.95	41.96	10.00	41.36	50.09	52.00	53.66
Administrators and officials, public administration .....	39.61	27.17	34.40	41.83	44.16	45.08	-	-	-	-	-	-
Financial managers .....	33.91	20.55	24.04	30.48	37.69	47.14	-	-	-	-	-	-
Personnel and labor relations managers .....	34.96	22.09	29.03	37.14	41.16	44.64	-	-	-	-	-	-
Purchasing managers .....	28.96	22.84	27.89	30.50	30.82	30.82	-	-	-	-	-	-
Managers., marketing, advertising and public relations .....	37.51	19.23	27.50	34.86	47.04	54.75	-	-	-	-	-	-
Administrators, education and related fields .....	34.78	24.90	27.28	37.18	39.65	44.93	-	-	-	-	-	-
Managers, medicine and health .....	32.64	21.68	25.44	34.15	37.50	44.45	-	-	-	-	-	-
Managers, food servicing and lodging establishments .....	20.64	14.70	15.55	16.35	25.00	31.35	-	-	-	-	-	-
Managers, service organizations, N.E.C. ....	24.93	16.80	16.82	22.28	26.50	44.72	-	-	-	-	-	-
Managers and administrators, N.E.C. ....	39.74	18.03	24.71	34.25	44.28	61.54	-	-	-	-	-	-
Management related occupations .....	22.75	15.50	17.73	21.63	26.44	31.35	-	-	-	-	-	-
Accountants and auditors .....	21.73	16.31	17.74	21.94	25.15	26.80	-	-	-	-	-	-
Other financial officers .....	23.33	15.38	17.31	18.67	27.00	33.19	-	-	-	-	-	-
Management analysts .....	25.75	17.73	21.66	27.50	29.19	31.35	-	-	-	-	-	-
Personnel, training, and labor relations specialists .....	20.22	12.95	15.05	18.84	22.83	29.05	-	-	-	-	-	-
Purchasing agents and buyers, N.E.C. ....	21.47	17.80	18.41	20.88	23.42	25.03	-	-	-	-	-	-
Construction inspectors .....	25.57	18.76	25.20	26.42	27.74	28.07	-	-	-	-	-	-
Inspectors and compliance officers, except construction .....	23.14	16.64	19.79	23.88	23.88	33.41	-	-	-	-	-	-
Management related occupations, N.E.C. ....	22.80	14.91	18.42	21.63	27.03	31.43	-	-	-	-	-	-
Sales occupations .....	20.97	7.15	10.26	14.99	23.97	43.33	7.98	5.64	6.00	6.74	8.57	12.05
Supervisors, sales occupations .....	30.04	12.98	16.67	18.41	26.51	79.75	-	-	-	-	-	-
Sales occupations, other business services .....	28.94	11.07	12.31	15.00	43.02	60.78	-	-	-	-	-	-
Sales representatives, mining, manufacturing, and wholesale .....	27.74	14.42	20.68	25.98	31.73	37.79	-	-	-	-	-	-
Sales workers, motor vehicles and boats .....	19.67	8.58	10.82	15.42	26.61	35.39	-	-	-	-	-	-
Sales workers, furniture & home furnishings .....	-	-	-	-	-	-	7.31	5.75	6.20	7.31	8.39	9.00
Sales workers, parts .....	15.19	10.00	13.10	14.48	17.14	21.00	-	-	-	-	-	-
Sales workers, other commodities .....	13.64	6.00	7.28	10.50	14.48	25.94	7.04	5.75	6.00	6.53	7.54	8.97
Cashiers .....	10.33	5.85	6.64	9.30	15.49	15.75	9.85	5.75	5.89	8.38	15.75	15.75
Sales support occupations, N.E.C. ....	15.18	10.72	11.71	14.87	17.61	19.85	-	-	-	-	-	-
Administrative support occupations, including clerical .....	13.35	8.68	10.70	13.00	15.63	18.61	9.99	7.18	8.00	9.00	11.36	14.98
Supervisors, general office .....	16.83	12.14	14.26	17.01	18.12	21.15	-	-	-	-	-	-

See footnotes at end of table.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries											
	Full-time					Part-time						
	Mean	Percentiles					Mean	Percentiles				
10		25	Median 50	75	90	10		25	Median 50	75	90	
<b>White-collar occupations (-Continued)</b>												
Administrative support occupations, including clerical (-Continued)												
Supervisors, financial records processing .....	\$19.32	\$15.21	\$15.63	\$16.17	\$22.48	\$28.58	-	-	-	-	-	-
Supervisors, distribution, scheduling, and adjusting clerks .....	18.81	11.00	14.87	17.00	24.17	26.82	-	-	-	-	-	-
Computer operators .....	17.81	14.36	16.32	17.09	18.87	21.89	-	-	-	-	-	-
Secretaries .....	15.71	11.59	13.47	15.36	17.93	19.42	\$12.10	\$7.30	\$10.49	\$12.93	\$13.84	\$14.98
Typists .....	13.35	11.50	11.50	12.99	14.29	15.23	-	-	-	-	-	-
Interviewers .....	10.85	8.08	9.22	11.05	12.55	13.12	-	-	-	-	-	-
Hotel clerks .....	10.95	5.86	6.62	9.49	16.35	16.63	-	-	-	-	-	-
Transportation ticket and reservation agents .....	13.19	8.52	9.92	12.83	15.51	19.61	-	-	-	-	-	-
Receptionists .....	9.93	7.43	8.56	9.50	11.33	13.00	7.77	5.69	5.73	6.33	8.50	10.00
Information clerks, N.E.C. ....	11.54	9.83	10.23	10.96	12.91	13.87	-	-	-	-	-	-
Order clerks .....	11.81	7.70	9.34	10.82	12.63	19.42	-	-	-	-	-	-
Personnel clerks except payroll & timekeeping .....	12.89	9.00	11.00	12.04	15.25	16.69	-	-	-	-	-	-
Library clerks .....	13.80	11.15	11.15	14.63	15.78	16.62	-	-	-	-	-	-
File clerks .....	7.89	6.50	7.00	7.20	8.50	10.16	-	-	-	-	-	-
Records clerks, N.E.C. ....	13.26	10.10	11.21	11.75	14.39	19.99	-	-	-	-	-	-
Bookkeepers, accounting and auditing clerks .....	13.59	10.50	11.62	13.22	15.00	17.41	-	-	-	-	-	-
Payroll and timekeeping clerks .....	13.05	10.00	12.02	12.37	15.06	15.75	-	-	-	-	-	-
Telephone operators .....	10.54	6.75	7.50	9.82	12.53	16.09	-	-	-	-	-	-
Mail clerks except postal service .....	9.94	6.87	8.36	9.81	11.07	12.82	-	-	-	-	-	-
Dispatchers .....	17.06	9.03	15.75	18.93	18.93	22.35	-	-	-	-	-	-
Production coordinators .....	15.99	11.12	12.69	15.23	19.64	22.70	-	-	-	-	-	-
Traffic, shipping and receiving clerks .....	9.84	6.22	8.00	9.58	12.32	13.16	-	-	-	-	-	-
Stock and inventory clerks .....	11.40	7.35	8.24	10.69	15.00	16.53	-	-	-	-	-	-
Meter readers .....	17.06	12.07	12.55	17.15	20.12	23.78	-	-	-	-	-	-
Insurance adjusters, examiners, & investigators .....	17.57	9.92	12.24	16.69	21.53	26.56	-	-	-	-	-	-
Investigators and adjusters except insurance .....	13.91	9.10	10.82	13.09	17.01	19.43	-	-	-	-	-	-
Eligibility clerks, social welfare .....	13.31	12.00	13.39	13.39	13.39	14.42	-	-	-	-	-	-
Bill and account collectors .....	12.21	8.68	11.09	12.18	13.65	15.10	-	-	-	-	-	-
General office clerks .....	11.95	8.00	9.80	11.89	13.60	16.24	9.57	5.73	6.75	8.67	11.37	14.51
Data entry keyers .....	12.60	8.95	11.06	13.26	13.94	16.51	-	-	-	-	-	-
Statistical clerks .....	14.82	9.75	13.50	17.09	17.09	18.08	-	-	-	-	-	-
Teachers' aides .....	11.07	8.00	10.00	11.86	11.86	11.98	11.24	7.57	8.59	10.67	12.78	16.74
Administrative support occupations, N.E.C. ....	13.84	9.77	11.20	13.39	16.30	18.75	7.00	5.75	5.75	6.22	7.62	8.76
<b>Blue-collar occupations</b> .....	13.03	5.86	7.50	11.00	17.25	22.81	8.55	5.65	6.14	7.27	10.00	13.96
Precision production, craft, and repair occupations .....	18.33	9.00	13.20	18.18	22.75	25.89	12.49	7.72	8.99	10.52	15.18	18.07
Supervisors, mechanics and repairers .....	23.62	17.77	20.77	22.16	25.32	33.19	-	-	-	-	-	-
Automobile mechanics .....	17.05	12.34	15.00	15.00	18.25	24.00	-	-	-	-	-	-
Bus, truck, and stationary engine mechanics .....	16.39	11.90	14.00	17.63	17.63	19.70	-	-	-	-	-	-
Aircraft mechanics except engine .....	21.64	19.86	20.70	21.81	21.81	25.64	-	-	-	-	-	-
Heavy equipment mechanics .....	23.57	18.33	23.99	23.99	25.89	25.89	-	-	-	-	-	-
Industrial machinery repairers .....	17.72	13.09	14.21	16.30	20.65	25.74	-	-	-	-	-	-
Machinery maintenance occupations .....	12.81	8.67	9.00	12.00	13.50	21.90	-	-	-	-	-	-
Electronic repairers, communications and industrial equipment .....	20.98	17.52	19.73	20.34	22.14	27.68	-	-	-	-	-	-
Mechanics and repairers, N.E.C. ....	15.84	9.32	11.91	15.37	18.77	23.86	-	-	-	-	-	-
Carpenters .....	19.04	15.42	17.29	19.53	21.52	22.30	-	-	-	-	-	-
Electricians .....	21.31	16.00	16.72	20.00	25.25	28.63	-	-	-	-	-	-
Painters, construction and maintenance .....	12.83	5.75	5.75	12.12	19.79	19.79	-	-	-	-	-	-

See footnotes at end of table.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries											
	Full-time					Part-time						
	Mean	Percentiles					Mean	Percentiles				
10		25	Median 50	75	90	10		25	Median 50	75	90	
<b>Blue-collar occupations (-Continued)</b>												
Precision production, craft, and repair occupations (-Continued)												
Construction trades, N.E.C. ....	\$19.13	\$14.75	\$16.06	\$17.37	\$22.81	\$24.71	-	-	-	-	-	-
Supervisors, production occupations ..	23.19	12.95	17.00	19.23	32.07	40.36	-	-	-	-	-	-
Tool and die makers .....	17.74	11.16	15.34	16.72	21.48	22.57	-	-	-	-	-	-
Machinists .....	19.33	14.58	17.20	18.64	23.25	23.25	-	-	-	-	-	-
Electrical and electronic equipment assemblers .....	9.09	5.75	6.48	8.46	10.46	13.38	-	-	-	-	-	-
Miscellaneous precision workers, N.E.C. ....	16.99	10.81	12.65	16.83	19.85	28.13	-	-	-	-	-	-
Butchers and meat cutters .....	10.14	5.85	6.56	7.98	14.69	17.03	-	-	-	-	-	-
Inspectors, testers, and graders .....	16.82	11.37	11.54	15.90	21.72	22.23	-	-	-	-	-	-
Water and sewer treatment plant operators .....	21.07	17.07	20.06	21.34	22.05	24.46	-	-	-	-	-	-
Machine operators, assemblers, and inspectors .....	10.00	5.67	6.71	9.01	11.76	15.08	\$6.48	\$5.15	\$5.61	\$6.00	\$7.35	\$8.36
Punching and stamping press operators .....	9.38	6.44	6.65	9.06	10.72	13.78	-	-	-	-	-	-
Grinding, abrading, buffing, and polishing machine operators .....	8.80	5.29	6.67	7.71	12.25	12.25	-	-	-	-	-	-
Fabricating machine operators, N.E.C. ....	10.62	6.17	7.19	8.34	15.00	18.56	-	-	-	-	-	-
Molding and casting machine operators .....	7.33	5.20	5.45	6.95	8.60	10.53	-	-	-	-	-	-
Sawing machine operators .....	7.01	5.80	6.03	6.14	7.57	9.68	-	-	-	-	-	-
Printing press operators .....	14.86	7.55	8.86	11.83	20.71	26.09	-	-	-	-	-	-
Textile cutting machine operators .....	9.85	7.67	8.66	10.50	11.00	11.00	-	-	-	-	-	-
Textile sewing machine operators .....	8.08	5.13	6.26	8.00	9.64	11.48	-	-	-	-	-	-
Packaging and filling machine operators .....	10.33	6.67	7.11	9.92	12.93	15.28	-	-	-	-	-	-
Mixing and blending machine operators .....	9.70	5.31	7.25	9.09	10.15	12.65	-	-	-	-	-	-
Painting and paint spraying machine operators .....	10.61	5.40	5.60	12.08	14.76	14.77	-	-	-	-	-	-
Photographic process machine operators .....	9.84	6.97	8.10	9.44	11.85	13.50	-	-	-	-	-	-
Miscellaneous machine operators, N.E.C. ....	9.28	5.44	6.25	8.10	10.00	14.80	-	-	-	-	-	-
Welders and cutters .....	16.26	7.72	9.71	14.44	24.10	25.00	-	-	-	-	-	-
Assemblers .....	9.45	5.67	6.38	9.89	11.76	12.63	-	-	-	-	-	-
Miscellaneous hand working occupations, N.E.C. ....	7.79	6.59	6.59	7.47	8.71	9.03	-	-	-	-	-	-
Production inspectors, checkers and examiners .....	10.06	7.00	8.57	9.53	11.69	14.00	-	-	-	-	-	-
Production testers .....	11.96	8.14	10.10	11.22	14.00	17.50	-	-	-	-	-	-
Transportation and material moving occupations .....	14.77	6.55	8.95	12.35	18.21	25.84	9.79	6.26	7.63	8.81	12.02	13.92
Truck drivers .....	11.74	6.11	8.00	10.67	15.20	18.63	11.46	6.14	9.32	12.76	13.92	16.40
Bus drivers .....	10.81	8.50	8.95	9.20	12.71	15.88	-	-	-	-	-	-
Industrial truck and tractor equipment operators .....	11.12	6.50	8.03	10.72	13.47	17.14	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers .....	9.33	5.75	6.21	8.24	11.05	15.29	8.16	5.50	6.00	7.00	8.72	13.96
Groundskeepers and gardeners except farm .....	13.04	9.55	11.50	12.15	15.69	16.90	-	-	-	-	-	-
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	14.19	9.35	9.35	15.65	16.00	20.00	-	-	-	-	-	-
Helpers, mechanics and repairers .....	10.07	5.87	6.33	9.01	12.58	14.98	-	-	-	-	-	-
Construction laborers .....	9.15	6.17	8.00	8.51	9.86	13.61	-	-	-	-	-	-
Production helpers .....	7.93	5.32	6.11	8.16	9.47	10.16	-	-	-	-	-	-
Stock handlers and baggers .....	10.62	5.15	6.99	9.85	13.62	18.06	9.70	5.80	6.34	7.00	13.96	18.06
Machine feeders and offbearers .....	9.09	5.50	5.99	7.63	12.77	12.77	-	-	-	-	-	-

See footnotes at end of table.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries											
	Full-time					Part-time						
	Mean	Percentiles					Mean	Percentiles				
10		25	Median 50	75	90	10		25	Median 50	75	90	
<b>Blue-collar occupations (-Continued)</b>												
Handlers, equipment cleaners, helpers, and laborers (-Continued)												
Freight, stock, and material handlers, N.E.C. ....	\$8.36	\$5.75	\$5.75	\$7.40	\$9.77	\$13.12	—	—	—	—	—	—
Vehicle washers and equipment cleaners .....	7.71	5.95	6.00	7.50	8.04	10.96	—	—	—	—	—	—
Hand packers and packagers .....	7.90	5.50	5.87	7.23	9.11	11.05	\$7.16	\$5.50	\$6.00	\$6.94	\$7.63	\$10.47
Laborers except construction, N.E.C. ....	10.99	6.19	6.87	9.82	14.12	17.75	7.17	5.75	6.53	7.16	7.77	8.47
<b>Service occupations</b> .....	11.50	5.50	6.40	8.50	13.46	22.68	6.81	5.15	5.61	5.82	7.35	9.42
Protective service occupations .....	17.67	6.00	7.77	18.87	24.11	29.77	7.15	5.61	5.75	6.35	6.63	10.24
Supervisors, police and detectives .....	32.17	26.63	28.79	32.09	33.08	41.15	—	—	—	—	—	—
Police and detectives, public service ..	24.24	19.12	20.33	22.93	26.82	31.54	—	—	—	—	—	—
Sheriffs, bailiffs, and other law enforcement officers .....	21.73	16.31	19.76	24.11	24.11	24.11	—	—	—	—	—	—
Correctional institution officers .....	18.26	12.96	14.27	18.21	22.13	22.13	—	—	—	—	—	—
Guards and police except public service .....	7.63	5.15	6.00	7.00	8.50	10.97	—	—	—	—	—	—
Food service occupations .....	8.11	5.15	5.75	7.19	9.52	12.50	6.26	5.15	5.62	5.75	6.22	7.87
Supervisors, food preparation and service occupations .....	14.44	10.05	12.08	15.00	17.67	17.98	—	—	—	—	—	—
Waiters and waitresses .....	5.45	5.15	5.15	5.32	5.75	6.03	5.57	5.15	5.19	5.75	5.75	5.75
Cooks .....	9.66	5.75	7.44	9.71	12.11	12.55	—	—	—	—	—	—
Food counter, fountain, and related occupations .....	5.59	5.15	5.15	5.22	5.85	6.52	7.00	5.15	5.30	6.15	7.82	9.84
Kitchen workers, food preparation .....	7.74	5.36	6.50	7.65	9.22	10.77	—	—	—	—	—	—
Waiters/Waitresses' assistants .....	5.67	5.15	5.15	5.75	5.75	6.55	5.77	5.15	5.75	5.75	5.75	6.50
Food preparation occupations, N.E.C. ....	7.26	5.60	6.00	6.78	8.25	9.52	6.35	5.50	5.75	5.78	6.36	8.45
Health service occupations .....	9.32	6.33	6.91	8.80	11.58	13.89	8.54	5.67	6.63	8.13	9.50	12.54
Health aides, except nursing .....	11.68	8.57	9.74	11.30	14.05	14.46	10.27	6.63	8.28	10.15	12.90	13.90
Nursing aides, orderlies and attendants .....	8.77	6.28	6.74	8.19	10.23	12.35	7.79	5.56	6.23	7.97	9.14	9.50
Cleaning and building service occupations .....	8.41	5.40	6.00	7.37	10.08	13.00	6.15	5.15	5.15	5.64	6.55	8.40
Supervisors, cleaning & building service workers .....	13.16	6.10	11.88	13.00	15.73	19.03	—	—	—	—	—	—
Maids and housemen .....	7.35	5.70	6.17	6.82	7.95	10.32	—	—	—	—	—	—
Janitors and cleaners .....	7.92	5.40	6.00	7.25	9.25	11.85	6.16	5.15	5.15	5.55	6.60	8.40
Personal service occupations .....	12.05	5.75	6.50	9.09	14.10	19.43	8.30	5.75	5.88	7.01	9.00	11.09
Public transportation attendants .....	23.96	10.20	14.09	18.77	31.89	49.15	—	—	—	—	—	—
Early childhood teachers' assistants ..	—	—	—	—	—	—	9.31	5.75	7.79	8.74	10.58	13.08
Child care workers, N.E.C. ....	—	—	—	—	—	—	8.09	5.77	6.67	8.45	9.45	10.49
Service occupations, N.E.C. ....	9.18	5.42	5.75	7.47	11.00	19.43	8.25	5.75	5.88	5.88	7.35	12.63

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours. The 10th, 25th, 50th, 75th and 90th percentiles designate position in the earnings distribution. At the 50th percentile, the median, half of the workers receive the same as or more than the rate shown, and half receive the same as or less than the rate shown. At the 25th percentile, one-fourth of the workers earn the same as or less than the rate shown. At the 75th percentile, one-fourth earn the same as or more than the rate shown. The 10th and 90th percentiles follow the same logic.

<sup>2</sup> Employees are classified as working either a full-time or a part-time schedule based

on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupation <sup>3</sup>	All industries					
	Mean weekly hours <sup>4</sup>	Weekly earnings		Mean annual hours	Annual earnings	
		Mean	Median		Mean	Median
<b>All occupations</b> .....	39.6	\$736	\$599	2,010	\$37,364	\$30,888
All occupations excluding sales .....	39.6	730	600	2,006	36,986	30,867
<b>White-collar occupations</b> .....	39.6	910	755	1,986	45,650	38,064
White-collar occupations excluding sales .....	39.5	917	774	1,975	45,845	39,042
Professional specialty and technical occupations .....	38.6	1,107	1,033	1,842	52,751	48,597
Professional specialty occupations .....	38.5	1,188	1,100	1,797	55,399	50,690
Engineers, architects, and surveyors .....	40.1	1,301	1,222	2,088	67,664	63,523
Aerospace engineers .....	40.0	1,317	1,283	2,080	68,506	66,705
Civil engineers .....	40.0	1,224	1,144	2,080	63,666	59,474
Electrical and electronic engineers .....	40.0	1,370	1,231	2,080	71,226	64,002
Industrial engineers .....	39.8	1,006	977	2,067	52,329	50,801
Mechanical engineers .....	41.1	1,210	1,248	2,135	62,898	64,896
Engineers, N.E.C. ....	40.0	1,265	1,254	2,080	65,789	65,208
Mathematical and computer scientists .....	40.0	1,249	1,162	2,078	64,958	60,424
Computer systems analysts and scientists .....	40.0	1,286	1,178	2,078	66,855	61,235
Operations and systems researchers and analysts .....	40.0	995	910	2,080	51,727	47,320
Natural scientists .....	39.9	1,096	1,051	2,077	56,992	54,662
Chemists, except biochemists .....	39.8	1,089	998	2,071	56,643	51,915
Physical scientists, N.E.C. ....	40.0	1,185	1,209	2,080	61,600	62,858
Medical scientists .....	40.0	923	943	2,080	47,996	49,046
Health related occupations .....	39.1	1,015	912	2,027	52,604	47,335
Physicians .....	40.0	1,672	1,702	2,080	86,944	88,483
Registered nurses .....	38.9	964	920	2,013	49,932	47,819
Dietitians .....	40.0	709	761	2,080	36,892	39,582
Respiratory therapists .....	39.4	763	757	2,051	39,683	39,338
Teachers, college and university .....	38.3	1,373	1,348	1,551	55,541	54,937
Business, commerce and marketing teachers .....	36.2	1,721	1,577	1,275	60,527	58,651
English teachers .....	40.0	1,317	1,268	1,660	54,665	51,084
Teachers, post secondary, subject not specified ..	40.0	1,558	1,499	1,646	64,126	58,161
Teachers, post secondary N.E.C. ....	37.9	1,363	1,388	1,516	54,533	56,278
Teachers, except college and university .....	35.0	1,102	1,118	1,345	42,391	42,638
Elementary school teachers .....	34.0	1,144	1,129	1,253	42,218	42,015
Secondary school teachers .....	34.6	1,179	1,211	1,291	44,006	44,819
Teachers, special education .....	36.9	1,118	1,038	1,575	47,769	47,837
Teachers, N.E.C. ....	37.2	978	916	1,531	40,218	39,765
Vocational and educational counselors .....	36.5	1,054	1,169	1,559	45,078	48,617
Librarians, archivists, and curators .....	42.7	907	902	2,182	46,309	46,925
Social scientists and urban planners .....	39.2	1,178	1,254	1,870	56,144	59,165
Psychologists .....	38.5	1,085	833	1,695	47,760	43,324
Social, recreation, and religious workers .....	40.0	781	760	2,080	40,632	39,520
Social workers .....	40.0	805	798	2,080	41,849	41,506
Lawyers and judges .....	42.7	1,662	1,530	2,220	86,450	79,539
Lawyers .....	42.7	1,662	1,530	2,220	86,450	79,539
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	42.3	1,720	1,400	2,197	89,380	72,800
Designers .....	44.2	1,362	1,269	2,293	70,663	65,998
Editors and reporters .....	43.0	1,824	1,487	2,238	94,853	77,334
Professional occupations, N.E.C. ....	40.0	1,038	1,035	2,080	53,964	53,830
Technical occupations .....	39.0	812	759	2,021	42,089	39,395
Clinical laboratory technologists and technicians .....	39.4	749	778	2,048	38,968	40,480
Radiological technicians .....	39.7	750	720	2,065	39,019	37,440
Licensed practical nurses .....	38.9	612	561	2,023	31,820	29,191
Health technologists and technicians, N.E.C. ....	39.8	607	604	2,068	31,568	31,408
Electrical and electronic technicians .....	39.9	820	792	2,077	42,660	41,168
Engineering technicians, N.E.C. ....	40.0	873	832	2,080	45,390	43,285
Science technicians, N.E.C. ....	36.7	580	571	1,676	26,480	27,934
Airplane pilots and navigators .....	24.6	1,483	1,246	1,279	77,127	64,803
Computer programmers .....	40.0	1,044	1,067	2,080	54,298	55,494
Technical and related occupations, N.E.C. ....	40.0	907	816	2,080	47,151	42,453
Executive, administrative, and managerial occupations ...	40.4	1,249	1,070	2,084	64,496	55,616
Executives, administrators, and managers .....	40.6	1,475	1,347	2,087	75,818	68,349
Administrators and officials, public administration	40.0	1,584	1,673	2,080	82,381	87,006
Financial managers .....	39.9	1,353	1,219	2,075	70,343	63,398
Personnel and labor relations managers .....	39.9	1,396	1,486	2,077	72,604	77,251

See footnotes at end of table.

**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean weekly hours <sup>4</sup>	Weekly earnings		Mean annual hours	Annual earnings	
		Mean	Median		Mean	Median
<b>White-collar occupations (-Continued)</b>						
Executive, administrative, and managerial occupations (-Continued)						
Executives, administrators, and managers (-Continued)						
Purchasing managers .....	40.0	\$1,159	\$1,220	2,080	\$60,245	\$63,440
Managers., marketing, advertising and public relations .....	40.8	1,532	1,538	2,123	79,655	79,997
Administrators, education and related fields .....	40.9	1,423	1,487	1,909	66,388	67,536
Managers, medicine and health .....	39.6	1,294	1,366	2,061	67,282	71,032
Managers, food servicing and lodging establishments .....	41.6	858	654	1,856	38,312	34,008
Managers, service organizations, N.E.C. ....	41.3	1,030	891	2,148	53,541	46,349
Managers and administrators, N.E.C. ....	40.9	1,625	1,370	2,124	84,411	71,240
Management related occupations .....	40.0	910	866	2,079	47,294	45,053
Accountants and auditors .....	39.8	865	881	2,069	44,960	45,793
Other financial officers .....	40.7	951	752	2,119	49,440	39,105
Management analysts .....	39.7	1,023	1,100	2,066	53,203	57,200
Personnel, training, and labor relations specialists .....	40.3	815	729	2,096	42,372	37,918
Purchasing agents and buyers, N.E.C. ....	39.7	853	803	2,067	44,368	41,766
Construction inspectors .....	39.7	1,016	1,057	2,066	52,820	54,953
Inspectors and compliance officers, except construction .....	40.0	926	955	2,080	48,137	49,670
Management related occupations, N.E.C. ....	39.7	906	846	2,065	47,098	43,992
Sales occupations .....	40.2	844	599	2,087	43,783	31,089
Supervisors, sales occupations .....	42.2	1,269	769	2,197	65,993	39,978
Sales occupations, other business services .....	40.1	1,159	607	2,083	60,280	31,554
Sales representatives, mining, manufacturing, and wholesale .....	40.0	1,109	1,039	2,080	57,690	54,038
Sales workers, motor vehicles and boats .....	42.8	843	651	2,227	43,815	33,846
Sales workers, parts .....	40.4	613	579	2,099	31,886	30,118
Sales workers, other commodities .....	39.3	536	420	2,016	27,510	21,606
Cashiers .....	39.5	408	372	2,055	21,226	19,344
Sales support occupations, N.E.C. ....	39.8	604	583	2,069	31,408	30,303
Administrative support occupations, including clerical .....	39.8	531	520	2,048	27,338	26,862
Supervisors, general office .....	40.6	684	680	2,113	35,557	35,381
Supervisors, financial records processing .....	39.8	768	647	2,068	39,947	33,642
Supervisors, distribution, scheduling, and adjusting clerks .....	41.3	777	850	2,148	40,398	44,200
Computer operators .....	39.8	709	684	2,069	36,852	35,547
Secretaries .....	40.0	629	613	2,069	32,507	31,791
Typists .....	40.0	533	520	2,078	27,738	27,019
Interviewers .....	39.4	428	442	2,050	22,239	22,984
Hotel clerks .....	39.3	430	380	2,044	22,374	19,742
Transportation ticket and reservation agents .....	40.0	528	513	2,080	27,443	26,688
Receptionists .....	39.3	391	378	2,038	20,248	19,635
Information clerks, N.E.C. ....	40.0	461	438	2,076	23,958	22,797
Order clerks .....	40.0	473	433	2,080	24,574	22,506
Personnel clerks except payroll & timekeeping .....	39.2	505	482	1,970	25,395	25,043
Library clerks .....	40.0	551	585	2,021	27,881	30,430
File clerks .....	39.9	315	288	2,073	16,370	14,981
Records clerks, N.E.C. ....	39.9	529	470	2,021	26,802	23,732
Bookkeepers, accounting and auditing clerks .....	39.8	542	528	2,072	28,160	27,453
Payroll and timekeeping clerks .....	40.0	522	495	2,080	27,151	25,730
Telephone operators .....	40.0	422	393	2,080	21,930	20,426
Mail clerks except postal service .....	39.7	394	392	2,065	20,514	20,405
Dispatchers .....	39.6	676	757	2,061	35,167	39,374
Production coordinators .....	40.0	640	609	2,080	33,258	31,684
Traffic, shipping and receiving clerks .....	39.9	393	383	2,076	20,425	19,924
Stock and inventory clerks .....	39.9	455	400	2,074	23,655	20,800
Meter readers .....	40.0	682	686	2,080	35,488	35,672
Insurance adjusters, examiners, & investigators .....	39.4	692	661	2,048	35,985	34,385
Investigators and adjusters except insurance .....	39.9	555	521	2,075	28,865	27,109
Eligibility clerks, social welfare .....	40.0	532	536	2,080	27,677	27,851
Bill and account collectors .....	39.4	481	478	2,048	25,017	24,832

See footnotes at end of table.

**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean weekly hours <sup>4</sup>	Weekly earnings		Mean annual hours	Annual earnings	
		Mean	Median		Mean	Median
<b>White-collar occupations (-Continued)</b>						
Administrative support occupations, including clerical (-Continued)						
General office clerks .....	39.6	\$473	\$474	2,025	\$24,191	\$23,934
Data entry keyers .....	39.8	501	530	2,068	26,064	27,581
Statistical clerks .....	40.0	593	684	2,080	30,828	35,547
Teachers' aides .....	36.5	404	454	1,412	15,628	17,273
Administrative support occupations, N.E.C. ....	40.1	554	545	2,038	28,192	27,851
<b>Blue-collar occupations</b>						
Precision production, craft, and repair occupations .....	39.9	520	440	2,058	26,818	22,790
Supervisors, mechanics and repairers .....	40.0	946	886	2,082	49,176	46,093
Automobile mechanics .....	40.0	682	600	2,080	35,472	31,200
Bus, truck, and stationary engine mechanics .....	40.0	656	705	2,080	34,087	36,670
Aircraft mechanics except engine .....	40.0	866	872	2,080	45,010	45,366
Heavy equipment mechanics .....	40.0	943	960	2,080	49,035	49,899
Industrial machinery repairers .....	39.8	704	652	2,067	36,626	33,904
Machinery maintenance occupations .....	38.8	497	396	2,019	25,850	20,592
Electronic repairers, communications and industrial equipment .....	39.6	830	814	2,059	43,184	42,307
Mechanics and repairers, N.E.C. ....	39.6	628	599	2,032	32,193	30,888
Carpenters .....	39.5	753	792	2,056	39,140	41,163
Electricians .....	40.0	852	800	2,080	44,319	41,600
Painters, construction and maintenance .....	40.0	513	485	2,080	26,692	25,210
Construction trades, N.E.C. ....	39.6	758	695	2,061	39,431	36,130
Supervisors, production occupations .....	40.2	931	774	2,088	48,426	40,227
Tool and die makers .....	40.0	710	669	2,080	36,909	34,770
Machinists .....	40.0	773	746	2,080	40,202	38,771
Electrical and electronic equipment assemblers ..	40.0	363	338	2,080	18,900	17,591
Miscellaneous precision workers, N.E.C. ....	39.7	674	660	2,064	35,052	34,320
Butchers and meat cutters .....	40.0	406	319	2,080	21,093	16,590
Inspectors, testers, and graders .....	40.0	673	636	2,080	34,985	33,072
Water and sewer treatment plant operators .....	40.0	843	854	2,080	43,831	44,387
Machine operators, assemblers, and inspectors .....	39.8	398	360	2,063	20,630	18,720
Punching and stamping press operators .....	40.0	375	362	2,080	19,517	18,844
Grinding, abrading, buffing, and polishing machine operators .....	40.0	352	309	2,080	18,301	16,042
Fabricating machine operators, N.E.C. ....	40.0	425	334	2,080	22,086	17,355
Molding and casting machine operators .....	40.0	293	278	2,080	15,253	14,456
Sawing machine operators .....	40.0	280	246	2,080	14,578	12,770
Printing press operators .....	39.0	579	473	2,026	30,110	24,606
Textile cutting machine operators .....	40.0	394	420	2,080	20,482	21,840
Textile sewing machine operators .....	39.5	319	320	2,055	16,610	16,631
Packaging and filling machine operators .....	39.8	411	397	2,069	21,372	20,641
Mixing and blending machine operators .....	40.1	389	364	2,086	20,229	18,912
Painting and paint spraying machine operators ...	40.0	424	483	2,080	22,061	25,124
Photographic process machine operators .....	38.7	381	371	2,013	19,809	19,310
Miscellaneous machine operators, N.E.C. ....	39.5	367	318	2,056	19,089	16,521
Welders and cutters .....	40.0	649	577	2,078	33,770	30,024
Assemblers .....	39.9	377	396	2,067	19,544	20,571
Miscellaneous hand working occupations, N.E.C. ...	40.0	312	299	2,080	16,205	15,542
Production inspectors, checkers and examiners ...	39.6	398	380	2,058	20,701	19,760
Production testers .....	40.0	478	449	2,080	24,876	23,338
Transportation and material moving occupations .....	40.3	596	496	2,071	30,588	25,242
Truck drivers .....	40.0	470	427	2,077	24,382	22,196
Bus drivers .....	45.1	488	460	2,249	24,311	23,654
Industrial truck and tractor equipment operators ..	39.8	443	428	1,969	21,886	21,450
Handlers, equipment cleaners, helpers, and laborers .....	39.8	371	329	2,027	18,911	17,096
Groundskeepers and gardeners except farm .....	40.0	522	486	2,080	27,131	25,272
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	40.0	568	626	2,080	29,525	32,552
Helpers, mechanics and repairers .....	39.2	394	360	2,036	20,500	18,742
Construction laborers .....	40.0	366	340	2,080	19,022	17,695
Production helpers .....	39.7	315	326	2,064	16,367	16,951
Stock handlers and baggers .....	39.9	423	394	2,074	22,020	20,483
Machine feeders and offbearers .....	39.4	358	314	1,968	17,882	15,681

See footnotes at end of table.



**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean weekly hours <sup>4</sup>	Weekly earnings		Mean annual hours	Annual earnings	
		Mean	Median		Mean	Median
<b>Blue-collar occupations</b> (-Continued)						
Handlers, equipment cleaners, helpers, and laborers (-Continued)						
Freight, stock, and material handlers, N.E.C. ....	39.9	\$334	\$298	1,928	\$16,127	\$13,411
Vehicle washers and equipment cleaners .....	40.0	308	300	2,020	15,568	15,252
Hand packers and packagers .....	39.8	314	289	2,068	16,333	15,038
Laborers except construction, N.E.C. ....	39.9	438	396	2,073	22,779	20,572
<b>Service occupations</b> .....						
Protective service occupations .....	39.2	450	336	2,021	23,245	17,415
Supervisors, police and detectives .....	40.4	714	755	2,099	37,076	39,250
Police and detectives, public service .....	40.1	1,289	1,284	2,084	67,037	66,747
Sheriffs, bailiffs, and other law enforcement officers .....	39.8	965	917	2,071	50,198	47,695
Correctional institution officers .....	40.0	869	964	2,080	45,193	50,149
Guards and police except public service .....	39.8	727	728	2,071	37,818	37,877
Food service occupations .....	39.8	304	276	2,061	15,724	14,353
Supervisors, food preparation and service occupations .....	39.0	316	277	1,981	16,070	14,040
Waiters and waitresses .....	40.0	578	600	2,006	28,961	29,994
Cooks .....	36.5	199	206	1,900	10,354	10,712
Food counter, fountain, and related occupations .....	40.7	393	381	2,076	20,063	19,530
Kitchen workers, food preparation .....	37.2	208	203	1,935	10,825	10,556
Waiters'/Waitresses' assistants .....	39.5	306	306	2,019	15,630	15,902
Food preparation occupations, N.E.C. ....	38.3	217	229	1,845	10,466	10,712
Health service occupations .....	38.7	281	261	1,951	14,154	13,420
Health aides, except nursing .....	38.9	363	343	2,025	18,876	17,826
Nursing aides, orderlies and attendants .....	40.0	467	452	2,080	24,288	23,504
Cleaning and building service occupations .....	38.7	339	314	2,013	17,654	16,302
Supervisors, cleaning & building service workers .....	39.8	335	294	2,061	17,344	15,211
Maids and housemen .....	40.0	526	520	2,080	27,369	27,040
Janitors and cleaners .....	39.2	288	266	2,039	14,983	13,839
Personal service occupations .....	39.9	316	290	2,062	16,323	15,080
Public transportation attendants .....	34.3	413	373	1,762	21,234	19,074
Service occupations, N.E.C. ....	23.4	562	526	1,219	29,208	27,358
	37.3	343	299	1,902	17,459	15,529

<sup>1</sup> Earnings are the straight-time wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours. The median designates position—one-half of the workers receive the same as or more, and one-half receive the same as or less than the rate shown.

<sup>2</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where

a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<sup>4</sup> Mean weekly hours are the hours an employee is scheduled to work in a week, exclusive of overtime.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>All occupations</b> .....	\$17.69	\$16.74	\$22.20	\$18.59	\$9.81
All occupations excluding sales .....	17.68	16.64	22.22	18.44	10.17
<b>White-collar occupations</b> .....	22.02	21.70	23.18	22.99	12.27
Level 1 .....	6.77	6.76	—	7.14	6.26
Level 2 .....	8.69	8.60	9.24	8.82	8.41
Level 3 .....	10.19	9.89	11.75	10.90	8.66
Level 4 .....	12.05	11.88	12.90	12.27	10.40
Level 5 .....	14.85	14.99	14.18	14.90	13.44
Level 6 .....	17.45	17.01	18.45	17.51	16.30
Level 7 .....	19.55	19.87	18.52	19.59	18.19
Level 8 .....	23.03	22.21	25.62	23.11	21.03
Level 9 .....	28.60	27.06	30.97	28.69	26.46
Level 10 .....	28.80	29.06	27.85	28.67	36.69
Level 11 .....	33.96	33.45	35.74	33.97	33.47
Level 12 .....	37.11	36.71	40.42	37.08	40.87
Level 13 .....	46.39	46.24	—	46.18	—
Level 14 .....	57.37	57.59	—	57.37	—
Level 15 .....	90.06	90.06	—	90.06	—
Not able to be leveled .....	44.29	47.11	23.92	51.74	13.96
White-collar occupations excluding sales .....	22.60	22.41	23.20	23.21	14.38
Level 1 .....	7.04	7.03	—	7.31	6.49
Level 2 .....	8.94	8.88	9.24	8.94	8.93
Level 3 .....	10.44	10.08	11.78	10.80	9.26
Level 4 .....	12.59	12.51	12.90	12.62	12.24
Level 5 .....	14.35	14.40	14.18	14.37	13.69
Level 6 .....	16.73	15.88	18.45	16.75	16.39
Level 7 .....	19.57	19.92	18.52	19.61	18.19
Level 8 .....	23.00	22.01	25.62	23.10	21.03
Level 9 .....	27.57	25.10	30.97	27.59	26.92
Level 10 .....	27.58	27.50	27.85	27.41	36.69
Level 11 .....	33.06	32.20	35.74	33.05	33.47
Level 12 .....	37.23	36.83	40.42	37.20	40.87
Level 13 .....	46.39	46.24	—	46.18	—
Level 14 .....	57.37	57.59	—	57.37	—
Level 15 .....	90.06	90.06	—	90.06	—
Not able to be leveled .....	44.86	47.81	23.92	51.74	14.43
Professional specialty and technical occupations .....	28.17	27.41	29.71	28.65	21.18
Professional specialty occupations .....	30.28	29.88	30.93	30.83	22.73
Level 5 .....	13.77	15.11	12.55	14.06	12.22
Level 6 .....	22.66	15.30	27.74	23.24	18.20
Level 7 .....	22.15	22.18	21.99	22.25	20.82
Level 8 .....	24.85	23.31	27.53	25.15	21.46
Level 9 .....	29.20	24.74	32.28	29.35	27.01
Level 10 .....	27.69	27.64	27.80	27.41	36.69
Level 11 .....	33.34	31.95	35.51	33.34	33.47
Level 12 .....	39.53	39.33	41.26	39.53	39.66
Level 13 .....	44.58	44.01	—	44.50	—
Level 14 .....	50.03	49.40	—	50.03	—
Not able to be leveled .....	41.28	43.12	—	50.35	14.51
Engineers, architects, and surveyors .....	32.36	32.49	29.97	32.41	—
Level 7 .....	25.76	25.76	—	25.76	—
Level 8 .....	25.88	25.88	—	25.88	—
Level 9 .....	27.20	27.01	—	27.20	—
Level 10 .....	27.61	27.43	—	27.61	—
Level 11 .....	31.72	31.75	—	31.72	—
Level 12 .....	37.59	37.70	—	37.59	—
Level 13 .....	44.22	44.22	—	44.22	—
Level 14 .....	47.85	47.85	—	47.85	—
Mathematical and computer scientists .....	31.26	32.26	23.88	31.26	—
Level 7 .....	24.98	—	—	24.98	—
Level 8 .....	21.42	21.42	—	21.42	—
Level 9 .....	24.30	24.71	—	24.30	—
Level 10 .....	26.94	27.95	—	26.94	—

See footnotes at end of table.

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations (-Continued)</b>					
Mathematical and computer scientists (-Continued)					
Level 11 .....	\$31.92	\$32.37	—	\$31.92	—
Natural scientists .....	27.44	28.09	\$25.91	27.44	—
Level 9 .....	24.83	—	—	24.83	—
Health related occupations .....	25.72	26.06	23.72	25.95	\$24.27
Level 6 .....	18.09	18.57	—	18.86	—
Level 7 .....	21.17	21.52	—	21.41	20.33
Level 8 .....	24.34	24.43	—	24.41	23.93
Level 9 .....	23.82	24.28	22.36	23.68	24.81
Level 10 .....	25.75	26.53	—	25.41	—
Level 11 .....	29.93	30.99	—	29.15	32.03
Level 12 .....	39.40	36.51	—	39.41	—
Teachers, college and university .....	34.70	35.57	34.41	35.80	31.31
Level 7 .....	18.96	19.80	—	16.80	—
Level 8 .....	22.81	—	—	—	—
Level 9 .....	28.62	30.78	27.86	27.40	29.31
Level 10 .....	33.81	34.84	33.49	33.13	35.75
Level 11 .....	34.25	26.80	35.32	34.94	—
Level 12 .....	44.31	54.30	41.81	45.17	39.72
Level 13 .....	34.91	—	—	34.91	—
Teachers, except college and university .....	30.93	16.88	33.38	31.51	22.71
Level 5 .....	15.11	15.94	—	—	12.40
Level 6 .....	25.60	—	29.44	26.70	—
Level 7 .....	19.55	—	26.77	19.47	—
Level 8 .....	27.28	19.05	28.37	27.84	—
Level 9 .....	34.58	18.50	35.21	34.76	31.20
Level 10 .....	33.29	—	—	33.44	—
Level 11 .....	41.30	—	—	41.30	—
Librarians, archivists, and curators .....	21.23	—	—	21.23	—
Social scientists and urban planners .....	30.22	30.06	30.47	30.02	—
Social, religious, and recreation workers .....	19.32	19.20	19.36	19.53	—
Level 8 .....	17.98	17.35	—	17.85	—
Level 9 .....	25.24	—	—	25.24	—
Lawyers and judges .....	38.94	—	—	38.94	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	35.92	36.41	—	40.68	15.21
Level 7 .....	24.50	24.50	—	24.50	—
Level 9 .....	22.67	22.39	—	24.11	—
Level 11 .....	32.51	32.51	—	32.51	—
Not able to be leveled .....	44.49	44.49	—	59.02	14.40
Technical occupations .....	20.46	20.85	18.18	20.83	13.43
Level 4 .....	12.69	12.71	—	12.67	—
Level 5 .....	14.50	14.50	—	14.50	—
Level 6 .....	18.47	18.64	17.38	18.71	15.65
Level 7 .....	20.53	21.35	17.51	20.86	14.33
Level 8 .....	22.24	22.36	21.35	22.36	—
Level 9 .....	33.77	37.12	—	33.77	—
Level 10 .....	25.92	—	—	25.92	—
Executive, administrative, and managerial occupations ...	31.01	31.87	25.94	30.95	41.07
Level 5 .....	15.83	—	—	15.83	—
Level 6 .....	15.97	15.98	—	15.97	—
Level 7 .....	17.95	17.94	17.98	17.98	—
Level 8 .....	20.11	19.84	21.15	20.11	—
Level 9 .....	24.27	24.15	24.86	24.28	—
Level 10 .....	27.67	27.45	—	27.67	—
Level 11 .....	32.62	32.13	36.52	32.62	—
Level 12 .....	35.10	34.50	39.71	35.07	—
Level 13 .....	45.96	45.84	—	45.65	—
Level 14 .....	61.58	61.71	—	61.58	—
Level 15 .....	90.06	90.06	—	90.06	—
Executives, administrators, and managers .....	36.38	37.40	29.82	36.32	41.96
Level 7 .....	18.09	18.52	—	18.19	—
Level 8 .....	19.94	19.90	—	19.94	—

See footnotes at end of table.

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations (-Continued)</b>					
Executives, administrators, and managers (-Continued)					
Level 9 .....	\$25.74	\$25.16	\$29.81	\$25.74	—
Level 10 .....	27.76	27.29	—	27.76	—
Level 11 .....	33.74	33.26	36.52	33.74	—
Level 12 .....	36.14	35.57	39.71	36.10	—
Level 13 .....	46.13	46.02	—	45.83	—
Level 14 .....	62.10	62.26	—	62.10	—
Level 15 .....	90.06	90.06	—	90.06	—
Management related occupations .....	22.75	23.10	20.91	22.75	—
Level 5 .....	15.83	—	—	15.83	—
Level 6 .....	17.28	17.25	—	17.28	—
Level 7 .....	17.87	17.74	18.49	17.87	—
Level 8 .....	20.21	19.80	—	20.21	—
Level 9 .....	23.21	23.34	22.68	23.22	—
Level 10 .....	27.52	27.73	—	27.52	—
Level 11 .....	29.01	29.01	—	29.01	—
Level 12 .....	29.26	29.26	—	29.26	—
Sales occupations .....	17.76	17.78	—	20.97	\$7.98
Level 1 .....	6.16	6.16	—	—	6.00
Level 3 .....	9.43	9.42	—	11.41	7.91
Level 4 .....	10.29	10.29	—	10.91	8.12
Level 5 .....	17.16	17.16	—	17.30	12.05
Level 6 .....	26.28	26.28	—	27.30	—
Level 7 .....	19.01	19.01	—	19.01	—
Level 8 .....	23.25	23.25	—	23.25	—
Level 10 .....	47.57	47.57	—	47.57	—
Level 11 .....	43.74	43.74	—	43.74	—
Administrative support occupations, including clerical .....	12.98	12.71	13.91	13.35	9.99
Level 1 .....	7.04	7.03	—	7.31	6.49
Level 2 .....	8.94	8.88	9.24	8.94	8.93
Level 3 .....	10.49	10.11	11.93	10.84	9.30
Level 4 .....	12.58	12.49	12.91	12.62	12.24
Level 5 .....	14.35	14.30	14.53	14.35	14.57
Level 6 .....	15.25	15.33	15.09	15.26	—
Level 7 .....	18.14	18.29	17.81	18.14	—
Level 8 .....	21.18	21.02	—	21.18	—
Level 9 .....	24.72	—	—	24.72	—
<b>Blue-collar occupations .....</b>	<b>12.80</b>	<b>12.35</b>	<b>20.02</b>	<b>13.03</b>	<b>8.55</b>
Level 1 .....	7.03	7.02	—	7.09	6.56
Level 2 .....	8.28	8.16	—	8.28	8.25
Level 3 .....	9.78	9.69	13.61	9.72	10.46
Level 4 .....	12.24	11.96	16.42	12.36	9.56
Level 5 .....	13.58	13.36	16.92	13.58	—
Level 6 .....	16.85	16.97	15.69	16.86	—
Level 7 .....	19.98	19.29	23.61	20.02	—
Level 8 .....	22.00	21.75	24.15	22.00	—
Level 9 .....	30.44	30.26	32.51	30.44	—
Precision production, craft, and repair occupations .....	18.28	17.75	22.50	18.33	12.49
Level 2 .....	7.11	7.11	—	7.01	—
Level 3 .....	9.93	9.92	—	9.93	—
Level 4 .....	15.22	15.20	—	15.40	—
Level 5 .....	14.95	14.75	17.75	14.96	—
Level 6 .....	19.07	19.30	—	19.07	—
Level 7 .....	19.85	19.08	23.41	19.89	—
Level 8 .....	22.30	22.05	24.15	22.30	—
Level 9 .....	29.56	29.24	32.51	29.56	—
Machine operators, assemblers, and inspectors .....	9.96	9.89	—	10.00	6.48
Level 1 .....	6.79	6.77	—	6.80	—
Level 2 .....	8.11	8.11	—	8.13	—
Level 3 .....	8.88	8.88	—	8.88	—
Level 4 .....	10.62	10.62	—	10.62	—

See footnotes at end of table.

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>Blue-collar occupations</b> (-Continued)					
Machine operators, assemblers, and inspectors (-Continued)					
Level 5 .....	\$11.24	\$11.24	—	\$11.24	—
Level 6 .....	15.20	15.20	—	15.20	—
Level 7 .....	18.11	17.51	—	18.11	—
Transportation and material moving occupations .....	14.36	14.04	\$17.73	14.77	\$9.79
Level 1 .....	7.49	7.49	—	7.31	—
Level 2 .....	8.16	8.16	—	8.18	—
Level 3 .....	10.31	10.21	—	10.51	—
Level 4 .....	14.32	13.94	—	14.70	—
Level 5 .....	15.13	14.99	—	15.21	—
Level 6 .....	13.73	13.85	—	13.63	—
Level 7 .....	26.90	—	—	26.93	—
Handlers, equipment cleaners, helpers, and laborers .....	9.18	8.91	15.00	9.33	8.16
Level 1 .....	7.12	7.12	—	7.26	6.41
Level 2 .....	8.88	8.56	—	8.94	8.40
Level 3 .....	10.26	10.12	—	10.16	10.86
Level 4 .....	10.44	10.20	—	10.52	—
Level 5 .....	13.22	12.39	—	13.22	—
Level 6 .....	14.92	14.25	—	14.92	—
Level 7 .....	14.98	14.98	—	14.98	—
<b>Service occupations</b> .....	10.46	8.06	19.67	11.50	6.81
Level 1 .....	6.71	6.56	10.20	6.98	6.10
Level 2 .....	7.41	7.27	9.90	7.71	6.94
Level 3 .....	8.73	8.50	10.20	8.92	8.04
Level 4 .....	10.66	10.42	12.35	10.84	8.05
Level 5 .....	11.37	11.36	11.39	11.83	—
Level 6 .....	15.33	14.17	16.43	15.33	—
Level 7 .....	20.87	20.81	20.91	20.86	—
Level 8 .....	21.30	—	22.37	21.32	—
Level 9 .....	24.17	—	24.39	24.17	—
Level 10 .....	29.05	—	29.32	29.05	—
Protective service occupations .....	16.88	7.98	22.79	17.67	7.15
Level 1 .....	6.07	6.06	—	—	—
Level 3 .....	7.92	—	—	—	—
Level 4 .....	10.83	—	—	10.90	—
Level 5 .....	11.06	—	—	12.56	—
Level 7 .....	20.88	—	21.26	20.88	—
Level 8 .....	22.37	—	22.37	22.37	—
Level 9 .....	24.36	—	24.39	24.36	—
Level 10 .....	29.32	—	29.32	29.32	—
Food service occupations .....	7.43	7.26	10.19	8.11	6.26
Level 1 .....	6.21	6.17	—	6.41	5.88
Level 2 .....	6.94	6.75	9.44	7.31	6.66
Level 3 .....	8.16	7.92	—	9.04	6.65
Level 4 .....	9.89	9.66	—	10.41	—
Level 5 .....	10.95	11.18	—	10.95	—
Level 6 .....	13.33	13.33	—	13.33	—
Health service occupations .....	9.23	8.99	12.11	9.32	8.54
Level 2 .....	7.98	7.92	—	8.09	—
Level 3 .....	7.67	7.63	—	7.64	7.84
Level 4 .....	9.84	9.44	—	9.83	—
Level 5 .....	12.73	12.64	—	13.15	—
Cleaning and building service occupations .....	7.95	7.59	12.27	8.41	6.15
Level 1 .....	7.07	6.87	11.47	7.39	6.08
Level 2 .....	7.86	6.85	—	7.87	—
Level 3 .....	10.92	10.78	11.69	11.06	—
Level 4 .....	12.26	11.99	—	12.26	—
Personal service occupations .....	10.65	10.43	12.21	12.05	8.30
Level 1 .....	6.52	6.20	8.04	—	6.60
Level 2 .....	7.16	7.14	—	—	7.49
Level 3 .....	9.87	9.48	10.81	8.39	11.24

See footnotes at end of table.

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>Service occupations (-Continued)</b>					
Personal service occupations (-Continued)					
Level 4 .....	\$11.39	\$11.39	—	\$11.70	—

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>2</sup> Each occupation for which wage data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's ranking within each factor. The points are summed to determine the overall level of the occupation. See technical note for more information.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<sup>4</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means not elsewhere classified. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations:</b>					
Professional specialty and technical occupations:					
Professional specialty occupations:					
Aerospace engineers .....	\$32.94	\$32.94	—	\$32.94	—
Level 9 .....	23.73	23.73	—	23.73	—
Level 11 .....	30.20	30.20	—	30.20	—
Level 12 .....	35.86	35.86	—	35.86	—
Civil engineers .....	30.61	31.93	\$29.42	30.61	—
Electrical and electronic engineers .....	33.96	34.06	—	34.24	—
Level 11 .....	34.25	—	—	34.25	—
Level 12 .....	38.34	38.34	—	38.34	—
Industrial engineers .....	25.31	25.31	—	25.31	—
Mechanical engineers .....	29.46	28.94	—	29.46	—
Engineers, N.E.C. ....	31.63	31.64	—	31.63	—
Level 9 .....	26.32	26.35	—	26.32	—
Level 10 .....	28.88	28.88	—	28.88	—
Level 11 .....	32.16	32.16	—	32.16	—
Level 12 .....	36.22	36.22	—	36.22	—
Computer systems analysts and scientists .....	32.18	33.48	23.88	32.18	—
Level 8 .....	21.08	21.08	—	21.08	—
Level 9 .....	24.86	25.55	—	24.86	—
Level 10 .....	27.30	28.51	—	27.30	—
Level 11 .....	31.85	32.41	—	31.85	—
Operations and systems researchers and analysts .....	24.87	24.87	—	24.87	—
Chemists, except biochemists .....	27.35	28.35	—	27.35	—
Physical scientists, N.E.C. ....	29.62	—	—	29.62	—
Medical scientists .....	23.07	—	—	23.07	—
Physicians .....	42.06	46.46	—	41.80	—
Registered nurses .....	24.56	24.86	22.83	24.80	\$23.18
Level 7 .....	22.07	22.18	—	—	—
Level 8 .....	25.49	25.59	—	25.62	24.48
Level 9 .....	23.83	24.09	22.93	23.66	24.84
Level 10 .....	27.45	27.88	—	27.45	—
Level 11 .....	27.08	—	—	—	—
Pharmacists .....	32.66	32.66	—	—	—
Dietitians .....	17.74	—	—	17.74	—
Respiratory therapists .....	19.12	19.08	—	19.35	—
Business, commerce and marketing teachers .....	47.32	47.48	—	47.48	—
Education teachers .....	47.17	47.17	—	—	—
English teachers .....	33.31	—	—	32.93	—
Foreign language teachers .....	30.95	—	—	—	—
Teachers, post secondary, subject not specified ..	34.87	—	35.58	38.95	—
Teachers, post secondary N.E.C. ....	34.49	—	34.91	35.98	31.43
Level 9 .....	22.94	—	—	—	—
Level 10 .....	33.72	—	33.60	—	—
Level 11 .....	33.15	—	34.05	33.88	—
Level 12 .....	40.69	—	40.69	—	—
Prekindergarten and kindergarten .....	13.10	—	—	—	—
Elementary school teachers .....	33.63	17.71	34.58	33.69	—
Level 6 .....	31.47	—	—	31.58	—
Level 7 .....	23.23	—	—	23.50	—
Level 8 .....	29.91	—	—	29.91	—
Level 9 .....	34.86	—	35.91	34.92	—
Secondary school teachers .....	34.00	21.87	34.71	34.10	—
Level 8 .....	29.15	21.24	—	29.21	—
Level 9 .....	35.56	—	35.56	35.56	—
Teachers, special education .....	30.32	—	—	30.32	—
Teachers, N.E.C. ....	26.93	18.11	31.35	26.28	29.51
Level 5 .....	12.83	13.04	—	—	11.16
Level 7 .....	25.00	—	—	—	—
Level 9 .....	38.13	22.97	—	—	34.75
Substitute teachers .....	17.30	—	17.47	—	17.30
Vocational and educational counselors .....	28.84	—	33.01	28.91	—
Psychologists .....	28.70	—	—	28.18	—

See footnotes at end of table.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations: (-Continued)</b>					
Professional specialty and technical occupations: (-Continued)					
Professional specialty occupations: (-Continued)					
Social workers .....	\$20.09	\$21.65	\$19.68	\$20.12	—
Level 8 .....	17.64	—	—	—	—
Level 9 .....	25.24	—	—	25.24	—
Recreation workers .....	12.89	—	—	—	—
Lawyers .....	38.94	—	—	38.94	—
Designers .....	30.82	30.82	—	30.82	—
Actors and directors .....	73.93	73.93	—	—	—
Not able to be leveled .....	73.93	73.93	—	—	—
Editors and reporters .....	42.37	42.37	—	42.37	—
Technical occupations:					
Clinical laboratory technologists and technicians	18.93	19.16	—	19.03	—
Level 8 .....	21.63	—	—	21.63	—
Radiological technicians .....	18.89	18.89	—	18.89	—
Licensed practical nurses .....	15.45	15.46	—	15.73	\$14.04
Level 5 .....	13.85	13.85	—	13.62	—
Level 6 .....	18.47	18.51	—	18.67	—
Level 7 .....	13.58	13.42	—	13.61	13.51
Health technologists and technicians, N.E.C. ....	15.16	14.69	—	15.26	—
Level 5 .....	14.40	14.40	—	—	—
Level 7 .....	15.93	—	—	15.93	—
Electrical and electronic technicians .....	20.54	20.31	26.59	20.54	—
Level 5 .....	15.30	15.30	—	15.30	—
Level 7 .....	21.73	21.73	—	21.73	—
Level 8 .....	23.21	22.79	—	23.21	—
Engineering technicians, N.E.C. ....	21.51	21.70	—	21.82	—
Level 7 .....	18.93	—	—	18.93	—
Science technicians, N.E.C. ....	15.90	—	15.38	15.80	—
Airplane pilots and navigators .....	60.31	69.44	—	60.31	—
Computer programmers .....	24.74	25.14	—	26.10	—
Technical and related occupations, N.E.C. ....	22.67	23.39	19.39	22.67	—
Level 6 .....	17.80	—	—	17.80	—
Level 8 .....	24.49	24.58	—	24.49	—
Executive, administrative, and managerial occupations:					
Administrators and officials, public administration	37.95	—	36.82	39.61	—
Level 12 .....	42.41	—	42.41	42.41	—
Financial managers .....	34.04	33.85	40.18	33.91	—
Level 9 .....	23.83	23.83	—	23.83	—
Level 10 .....	27.17	27.17	—	27.17	—
Level 11 .....	32.89	32.89	—	32.89	—
Level 12 .....	30.05	30.03	—	30.05	—
Level 13 .....	44.12	43.41	—	43.58	—
Level 14 .....	65.65	65.65	—	65.65	—
Personnel and labor relations managers .....	34.96	33.84	—	34.96	—
Level 12 .....	37.47	37.47	—	37.47	—
Purchasing managers .....	28.96	—	—	28.96	—
Managers., marketing, advertising and public relations .....	37.51	38.29	—	37.51	—
Level 12 .....	35.79	35.79	—	35.79	—
Level 14 .....	52.07	52.07	—	52.07	—
Administrators, education and related fields .....	35.50	25.82	39.90	34.78	—
Level 11 .....	37.14	27.07	—	37.14	—
Level 12 .....	37.59	—	—	37.11	—
Managers, medicine and health .....	32.64	33.13	—	32.64	—
Level 9 .....	22.80	—	—	22.80	—
Level 12 .....	39.20	—	—	39.20	—
Managers, food servicing and lodging establishments .....	20.64	23.92	—	20.64	—
Managers, service organizations, N.E.C. ....	27.58	27.98	—	24.93	—
Managers and administrators, N.E.C. ....	39.74	41.45	26.35	39.74	—
Level 8 .....	23.43	23.98	—	23.43	—
Level 9 .....	27.05	26.76	—	27.05	—

See footnotes at end of table.



**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations: (-Continued)</b>					
Executive, administrative, and managerial occupations: (-Continued)					
Managers and administrators, N.E.C. (-Continued)					
Level 10 .....	\$26.05	\$26.00	—	\$26.05	—
Level 11 .....	36.21	36.30	—	36.21	—
Level 12 .....	36.98	36.88	—	36.98	—
Level 13 .....	45.54	45.54	—	45.54	—
Level 14 .....	63.92	63.92	—	63.92	—
Level 15 .....	99.74	99.74	—	99.74	—
Accountants and auditors .....	21.73	21.67	\$21.95	21.73	—
Level 7 .....	17.57	17.22	—	17.57	—
Level 8 .....	20.40	20.40	—	20.40	—
Level 9 .....	23.13	22.44	—	23.13	—
Other financial officers .....	23.33	23.33	—	23.33	—
Level 9 .....	19.26	19.26	—	19.26	—
Management analysts .....	25.75	25.91	—	25.75	—
Level 9 .....	27.02	27.44	—	27.02	—
Personnel, training, and labor relations specialists .....					
	20.22	21.92	—	20.22	—
Purchasing agents and buyers, N.E.C. ....	21.47	21.47	—	21.47	—
Construction inspectors .....	25.57	—	25.11	25.57	—
Inspectors and compliance officers, except construction .....	23.14	—	—	23.14	—
Management related occupations, N.E.C. ....	22.79	23.29	20.01	22.80	—
Level 7 .....	17.71	17.56	—	17.71	—
Level 8 .....	19.74	19.09	—	19.74	—
Level 9 .....	23.60	23.73	—	23.67	—
Level 11 .....	29.32	29.32	—	29.32	—
Sales occupations:					
Supervisors, sales occupations .....	29.50	29.50	—	30.04	—
Level 5 .....	16.32	16.32	—	16.32	—
Level 8 .....	17.36	17.36	—	17.36	—
Level 11 .....	31.77	31.77	—	31.77	—
Sales occupations, other business services .....	26.68	26.68	—	28.94	—
Sales representatives, mining, manufacturing, and wholesale .....					
	27.36	27.36	—	27.74	—
Level 8 .....	28.01	28.01	—	28.01	—
Sales workers, motor vehicles and boats .....	19.67	19.67	—	19.67	—
Level 5 .....	21.03	21.03	—	21.03	—
Sales workers, apparel .....	7.36	7.36	—	—	—
Sales workers, furniture & home furnishings .....	8.23	8.23	—	—	\$7.31
Level 3 .....	7.71	7.71	—	—	7.71
Sales workers, parts .....	13.72	13.72	—	15.19	—
Sales workers, other commodities .....	11.67	11.67	—	13.64	7.04
Level 4 .....	—	—	—	8.89	—
Level 5 .....	19.31	19.31	—	20.57	—
Cashiers .....	10.13	10.12	—	10.33	9.85
Level 2 .....	8.01	8.01	—	—	—
Level 3 .....	9.67	9.63	—	9.08	10.21
Level 4 .....	11.18	11.18	—	11.28	—
Sales support occupations, N.E.C. ....	14.32	14.32	—	15.18	—
Administrative support occupations, including clerical:					
Supervisors, general office .....	16.81	16.02	17.80	16.83	—
Level 6 .....	17.11	—	—	17.11	—
Level 7 .....	16.73	—	—	16.73	—
Supervisors, financial records processing .....	19.32	18.97	—	19.32	—
Supervisors, distribution, scheduling, and adjusting clerks .....					
	18.81	17.64	—	18.81	—
Computer operators .....	17.81	17.81	—	17.81	—
Secretaries .....	15.52	15.35	16.31	15.71	12.10
Level 3 .....	11.79	11.34	—	12.31	—
Level 4 .....	13.14	12.94	—	13.26	12.37
Level 5 .....	14.66	14.58	15.40	14.72	—

See footnotes at end of table.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations: (-Continued)</b>					
Administrative support occupations, including clerical: (-Continued)					
Secretaries (-Continued)					
Level 6 .....	\$16.14	\$16.12	—	\$16.17	—
Level 7 .....	18.31	18.47	\$17.94	18.31	—
Typists .....	13.35	—	—	13.35	—
Interviewers .....	10.85	10.85	—	10.85	—
Hotel clerks .....	10.88	10.88	—	10.95	—
Transportation ticket and reservation agents .....	13.05	13.05	—	13.19	—
Level 4 .....	10.87	10.87	—	—	—
Receptionists .....	9.76	9.72	—	9.93	\$7.77
Level 2 .....	8.14	8.14	—	8.35	—
Level 3 .....	10.32	10.32	—	10.33	—
Level 4 .....	10.95	10.76	—	10.76	—
Information clerks, N.E.C. ....	10.86	10.85	—	11.54	—
Order clerks .....	11.62	11.04	—	11.81	—
Level 3 .....	9.80	9.80	—	9.80	—
Level 4 .....	12.34	11.80	—	12.73	—
Personnel clerks except payroll & timekeeping ....	12.89	12.89	—	12.89	—
Library clerks .....	13.69	13.78	13.66	13.80	—
File clerks .....	7.85	7.85	—	7.89	—
Records clerks, N.E.C. ....	13.37	14.37	12.08	13.26	—
Level 4 .....	12.78	—	—	12.50	—
Level 5 .....	12.94	13.25	—	12.94	—
Bookkeepers, accounting and auditing clerks .....	13.56	13.38	15.13	13.59	—
Level 3 .....	10.29	10.43	—	10.43	—
Level 4 .....	12.48	12.47	—	12.50	—
Level 5 .....	13.78	13.40	15.53	13.78	—
Level 6 .....	15.49	15.25	—	15.49	—
Level 7 .....	15.08	15.18	—	15.08	—
Payroll and timekeeping clerks .....	13.05	13.40	—	13.05	—
Level 4 .....	12.74	—	—	12.74	—
Billing clerks .....	10.35	10.35	—	—	—
Telephone operators .....	10.54	8.22	—	10.54	—
Mail clerks except postal service .....	9.89	10.08	—	9.94	—
Level 3 .....	9.52	9.45	—	—	—
Dispatchers .....	16.74	13.50	18.64	17.06	—
Production coordinators .....	15.99	16.00	—	15.99	—
Level 7 .....	20.30	20.30	—	20.30	—
Traffic, shipping and receiving clerks .....	9.78	9.78	—	9.84	—
Level 1 .....	6.93	6.93	—	—	—
Level 3 .....	9.17	9.17	—	9.20	—
Level 4 .....	10.90	10.90	—	10.90	—
Stock and inventory clerks .....	11.35	11.17	—	11.40	—
Level 4 .....	12.35	12.28	—	12.35	—
Meter readers .....	16.47	—	—	17.06	—
Material recording, scheduling, and distribution clerks, N.E.C. ....	11.22	11.22	—	—	—
Level 4 .....	9.77	9.77	—	—	—
Insurance adjusters, examiners, & investigators ..	17.57	17.57	—	17.57	—
Investigators and adjusters except insurance .....	13.77	13.46	—	13.91	—
Level 4 .....	12.47	12.11	—	13.14	—
Level 5 .....	15.39	15.39	—	15.46	—
Eligibility clerks, social welfare .....	13.31	—	13.41	13.31	—
Bill and account collectors .....	12.14	11.95	—	12.21	—
General office clerks .....	11.69	10.87	12.89	11.95	9.57
Level 1 .....	6.52	6.52	—	6.86	5.85
Level 2 .....	8.81	8.64	—	8.77	9.12
Level 3 .....	11.84	11.69	11.97	11.98	11.05
Level 4 .....	12.10	11.73	12.67	12.11	11.99
Level 5 .....	13.38	13.54	13.10	13.38	—
Level 6 .....	15.58	—	15.51	15.58	—
Level 7 .....	17.19	—	—	17.19	—
Data entry keyers .....	12.58	12.32	—	12.60	—

See footnotes at end of table.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations: (-Continued)</b>					
Administrative support occupations, including clerical: (-Continued)					
Data entry keyers (-Continued)					
Level 2 .....	\$9.21	\$9.21	—	\$9.21	—
Level 3 .....	10.29	10.29	—	10.47	—
Level 4 .....	14.06	15.08	—	13.95	—
Statistical clerks .....	14.70	14.70	—	14.82	—
Teachers' aides .....	11.19	9.65	\$11.31	11.07	\$11.24
Level 2 .....	9.20	—	9.20	—	8.97
Level 3 .....	11.12	—	11.29	11.06	11.24
Level 4 .....	12.32	—	12.38	—	12.38
Administrative support occupations, N.E.C. ....	13.44	12.94	15.95	13.84	7.00
Level 3 .....	10.39	10.01	—	10.75	—
Level 4 .....	12.33	12.33	—	12.33	—
Level 5 .....	15.20	14.97	—	15.19	—
Level 6 .....	14.42	—	—	14.46	—
Level 7 .....	18.52	18.63	18.29	18.52	—
Professional occupations, N.E.C. ....	26.56	26.95	—	25.94	—
<b>Blue-collar occupations:</b>					
Precision production, craft, and repair occupations:					
Supervisors, mechanics and repairers .....	23.62	23.18	—	23.62	—
Level 8 .....	22.53	22.70	—	22.53	—
Automobile mechanics .....	17.03	16.85	—	17.05	—
Level 7 .....	16.79	—	—	16.79	—
Bus, truck, and stationary engine mechanics .....	16.39	—	—	16.39	—
Aircraft mechanics except engine .....	21.64	21.64	—	21.64	—
Heavy equipment mechanics .....	23.57	—	—	23.57	—
Industrial machinery repairers .....	17.72	16.74	—	17.72	—
Level 7 .....	18.03	16.99	—	18.03	—
Machinery maintenance occupations .....	12.81	12.81	—	12.81	—
Electronic repairers, communications and industrial equipment .....	20.98	20.85	—	20.98	—
Level 7 .....	20.02	—	—	20.02	—
Mechanics and repairers, N.E.C. ....	15.71	15.16	18.03	15.84	—
Level 7 .....	18.41	17.30	—	18.41	—
Carpenters .....	19.04	18.37	—	19.04	—
Level 7 .....	18.98	17.98	—	18.98	—
Electricians .....	21.31	20.70	—	21.31	—
Level 7 .....	19.19	18.90	—	19.19	—
Painters, construction and maintenance .....	12.83	9.92	—	12.83	—
Construction trades, N.E.C. ....	19.13	—	16.85	19.13	—
Supervisors, production occupations .....	23.19	22.73	—	23.19	—
Level 5 .....	14.25	14.25	—	14.25	—
Level 7 .....	19.50	19.50	—	19.50	—
Level 9 .....	30.41	30.08	—	30.41	—
Tool and die makers .....	17.74	17.74	—	17.74	—
Machinists .....	19.33	19.33	—	19.33	—
Level 7 .....	19.27	19.27	—	19.27	—
Electrical and electronic equipment assemblers ..	9.09	9.09	—	9.09	—
Miscellaneous precision workers, N.E.C. ....	16.99	16.99	—	16.99	—
Butchers and meat cutters .....	10.70	10.70	—	10.14	—
Inspectors, testers, and graders .....	16.65	16.42	—	16.82	—
Level 7 .....	17.30	16.66	—	17.30	—
Water and sewer treatment plant operators .....	21.07	—	21.12	21.07	—
Level 7 .....	22.18	—	—	22.18	—
Machine operators, assemblers, and inspectors:					
Punching and stamping press operators .....	9.38	9.38	—	9.38	—
Grinding, abrading, buffing, and polishing machine operators .....	8.80	8.80	—	8.80	—
Fabricating machine operators, N.E.C. ....	10.62	10.62	—	10.62	—
Molding and casting machine operators .....	7.20	7.20	—	7.33	—
Sawing machine operators .....	7.01	7.01	—	7.01	—
Printing press operators .....	14.86	14.86	—	14.86	—

See footnotes at end of table.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>Blue-collar occupations: (-Continued)</b>					
Machine operators, assemblers, and inspectors: (-Continued)					
Textile cutting machine operators .....	\$9.85	\$9.85	—	\$9.85	—
Textile sewing machine operators .....	8.05	8.05	—	8.08	—
Level 2 .....	7.69	7.69	—	7.72	—
Packaging and filling machine operators .....	10.15	10.15	—	10.33	—
Mixing and blending machine operators .....	9.70	9.70	—	9.70	—
Painting and paint spraying machine operators ...	10.61	10.61	—	10.61	—
Photographic process machine operators .....	9.84	9.84	—	9.84	—
Miscellaneous machine operators, N.E.C. ....	9.25	8.89	—	9.28	—
Level 1 .....	6.56	6.56	—	6.58	—
Level 2 .....	7.46	7.46	—	7.46	—
Level 3 .....	9.73	9.73	—	9.73	—
Welders and cutters .....	16.26	15.69	—	16.26	—
Level 7 .....	21.99	21.55	—	21.99	—
Assemblers .....	9.44	9.44	—	9.45	—
Level 1 .....	6.33	6.33	—	6.33	—
Level 2 .....	7.78	7.78	—	7.81	—
Level 3 .....	9.78	9.78	—	9.78	—
Level 4 .....	10.33	10.33	—	10.33	—
Miscellaneous hand working occupations, N.E.C.	7.79	7.79	—	7.79	—
Production inspectors, checkers and examiners ..	10.03	10.03	—	10.06	—
Production testers .....	11.96	11.96	—	11.96	—
Transportation and material moving occupations:					
Truck drivers .....	11.72	11.12	—	11.74	\$11.46
Level 2 .....	8.79	8.79	—	8.79	—
Level 3 .....	10.27	10.27	—	—	—
Level 4 .....	11.57	10.05	—	11.53	—
Level 5 .....	15.64	15.53	—	15.81	—
Bus drivers .....	10.41	8.98	—	10.81	—
Industrial truck and tractor equipment operators ..	10.89	10.89	—	11.12	—
Miscellaneous material moving equipment operators, N.E.C. ....	13.73	11.15	—	—	—
Handlers, equipment cleaners, helpers, and laborers:					
Groundskeepers and gardeners except farm .....	11.72	9.21	—	13.04	—
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	14.19	14.19	—	14.19	—
Helpers, mechanics and repairers .....	10.07	8.66	—	10.07	—
Construction laborers .....	9.15	9.01	—	9.15	—
Production helpers .....	7.93	7.93	—	7.93	—
Level 1 .....	7.79	7.79	—	7.79	—
Level 3 .....	8.29	8.29	—	8.29	—
Stock handlers and baggers .....	10.30	10.30	—	10.62	9.70
Level 1 .....	6.08	6.08	—	—	6.11
Level 2 .....	8.71	8.71	—	8.48	8.96
Level 3 .....	12.55	12.55	—	11.75	—
Machine feeders and offbearers .....	9.09	9.09	—	9.09	—
Level 1 .....	6.62	6.62	—	6.62	—
Freight, stock, and material handlers, N.E.C. ....	8.39	8.39	—	8.36	—
Level 1 .....	6.63	6.63	—	6.59	—
Level 2 .....	9.28	9.28	—	9.25	—
Level 3 .....	10.54	10.54	—	9.98	—
Vehicle washers and equipment cleaners .....	7.65	7.65	—	7.71	—
Level 2 .....	7.86	7.86	—	7.98	—
Hand packers and packagers .....	7.81	7.81	—	7.90	7.16
Level 1 .....	6.89	6.89	—	6.96	—
Level 2 .....	7.13	7.13	—	7.22	—
Level 3 .....	8.73	8.73	—	8.60	—
Laborers except construction, N.E.C. ....	10.10	9.50	\$14.58	10.99	7.17
Level 1 .....	7.57	7.51	—	8.52	6.32
Level 2 .....	10.93	9.87	—	10.95	—
Level 3 .....	8.25	—	—	8.50	—

See footnotes at end of table.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>Service occupations:</b>					
Protective service occupations:					
Supervisors, police and detectives .....	\$32.17	—	\$32.17	\$32.17	—
Firefighting occupations .....	14.43	—	14.43	—	—
Police and detectives, public service .....	24.07	—	24.07	24.24	—
Level 9 .....	24.71	—	24.71	24.71	—
Sheriffs, bailiffs, and other law enforcement officers .....					
.....	21.49	—	21.49	21.73	—
Correctional institution officers .....	18.26	—	18.26	18.26	—
Guards and police except public service .....	7.53	\$7.36	—	7.63	—
Level 3 .....	7.99	—	—	—	—
Food service occupations:					
Supervisors, food preparation and service occupations .....					
.....	13.23	13.74	—	14.44	—
Bartenders .....					
.....	7.19	7.19	—	—	—
Level 3 .....	7.02	7.02	—	—	—
Waiters and waitresses .....					
.....	5.53	5.53	—	5.45	\$5.57
Level 1 .....	5.46	5.46	—	—	—
Level 2 .....	5.66	5.66	—	—	5.61
Cooks .....					
.....	9.48	9.44	—	9.66	—
Level 3 .....	9.69	9.69	—	10.02	—
Level 4 .....	10.40	10.40	—	10.40	—
Food counter, fountain, and related occupations .....					
.....	6.37	6.37	—	5.59	7.00
Level 1 .....	5.46	5.46	—	—	—
Kitchen workers, food preparation .....					
.....	7.85	7.51	—	7.74	—
Level 1 .....	7.36	7.36	—	7.36	—
Level 3 .....	8.48	8.16	—	8.16	—
Waiters/Waitresses' assistants .....					
.....	5.72	5.72	—	5.67	5.77
Level 1 .....	5.67	5.67	—	5.67	5.67
Food preparation occupations, N.E.C. ....	6.90	6.58	9.37	7.26	6.35

See footnotes at end of table.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>Service occupations: (-Continued)</b>					
Food service occupations: (-Continued)					
Food preparation occupations, N.E.C. (-Continued)					
Level 1 .....	\$6.56	\$6.46	—	\$6.77	\$6.24
Level 2 .....	7.95	7.64	—	—	—
Health service occupations:					
Health aides, except nursing .....	11.43	10.92	—	11.68	10.27
Level 5 .....	12.23	11.86	—	12.88	—
Nursing aides, orderlies and attendants .....	8.67	8.58	\$10.59	8.77	7.79
Level 2 .....	7.84	7.77	—	7.95	—
Level 3 .....	7.41	7.35	—	7.33	7.84
Level 4 .....	9.51	9.36	—	9.50	—
Cleaning and building service occupations:					
Supervisors, cleaning & building service workers	13.16	12.77	—	13.16	—
Maids and housemen .....	7.22	7.22	—	7.35	—
Level 1 .....	6.88	6.88	—	6.98	—
Janitors and cleaners .....	7.49	7.12	11.69	7.92	6.16
Level 1 .....	7.09	6.87	11.47	7.46	6.08
Level 2 .....	7.83	6.58	—	7.83	—
Level 3 .....	10.55	10.01	11.69	10.80	—
Personal service occupations:					
Attendants, amusement and recreation facilities ..	7.46	7.43	—	—	—
Public transportation attendants .....	24.30	24.30	—	23.96	—
Early childhood teachers' assistants .....	9.13	—	9.57	—	9.31
Level 1 .....	8.01	—	—	—	8.01
Child care workers, N.E.C. ....	9.93	10.12	9.50	—	8.09
Level 1 .....	7.30	—	—	—	7.30
Service occupations, N.E.C. ....	8.81	7.66	—	9.18	8.25
Level 1 .....	6.19	6.15	—	—	—

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>2</sup> Each occupation for which wage data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's ranking within each factor. The points are summed to determine the overall level of the occupation. See technical note for more information.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<sup>4</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means not elsewhere classified. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table C-1. Mean hourly earnings<sup>1</sup> by occupational group and selected characteristics, all industries, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupational group <sup>2</sup>	Full-time workers <sup>3</sup>	Part-time workers <sup>3</sup>	Union <sup>4</sup>	Nonunion <sup>4</sup>	Time <sup>5</sup>	Incentive <sup>5</sup>
<b>All occupations</b> .....	\$18.59	\$9.81	\$18.44	\$17.40	\$17.55	\$21.15
All occupations excluding sales .....	18.44	10.17	18.56	17.33	17.79	12.58
<b>White-collar occupations</b> .....	22.99	12.27	21.88	22.06	21.78	27.86
White-collar excluding sales .....	23.21	14.38	22.33	22.69	22.62	20.09
Professional specialty and technical occupations .....	28.65	21.18	29.45	27.54	28.17	—
Professional specialty occupations .....	30.83	22.73	30.41	30.20	30.28	—
Technical occupations .....	20.83	13.43	22.48	20.00	20.46	—
Executive, administrative, and managerial occupations ...	30.95	41.07	22.70	31.85	31.00	—
Sales occupations .....	20.97	7.98	14.17	18.18	13.22	28.92
Administrative support including clerical occupations .....	13.35	9.99	14.18	12.57	13.01	—
<b>Blue-collar occupations</b> .....	13.03	8.55	17.28	11.00	12.88	11.44
Precision production, craft, and repair occupations .....	18.33	12.49	21.32	16.44	18.34	16.55
Machine operators, assemblers, and inspectors .....	10.00	6.48	13.58	9.31	9.98	9.82
Transportation and material moving occupations .....	14.77	9.79	19.97	10.31	14.36	14.40
Handlers, equipment cleaners, helpers, and laborers .....	9.33	8.16	11.81	8.17	9.19	—
<b>Service occupations</b> .....	11.50	6.81	13.29	8.40	10.47	—

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>2</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<sup>3</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm,

where a 40-hour week is the minimum full-time schedule.

<sup>4</sup> Union workers are those whose wages are determined through collective bargaining.

<sup>5</sup> Time workers' wages are based solely on an hourly rate or salary; incentive workers are those whose wages are at least partially based on productivity payments such as piece rates, commissions, and production bonuses.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

**Table C-2. Mean hourly earnings<sup>1</sup> by occupational group and industry division, private industry, all workers<sup>2</sup>, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupational group <sup>3</sup>	All private industries	Goods-producing industries <sup>4</sup>				Service-producing industries <sup>5</sup>				
		Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services
<b>All occupations</b> .....	\$16.74	\$17.43	\$23.75	\$18.94	\$17.26	-	-	\$13.46	\$20.89	-
All occupations excluding sales .....	16.64	17.29	23.74	18.94	17.11	-	-	12.99	19.83	-
<b>White-collar occupations</b> .....	21.70	25.65	38.32	25.81	25.54	-	-	16.85	21.30	-
White-collar excluding sales .....	22.41	25.79	38.66	26.00	25.68	-	-	19.13	20.25	-
Professional specialty and technical occupations .....	27.41	28.79	31.42	-	28.78	-	-	25.71	26.69	-
Professional specialty occupations .....	29.88	31.25	37.08	-	31.23	-	-	27.52	29.42	-
Technical occupations .....	20.85	19.30	25.90	-	19.23	-	-	-	-	-
Executive, administrative, and managerial occupations .....	31.87	33.32	54.60	32.67	33.08	-	-	30.94	31.90	-
Sales occupations .....	17.78	23.39	-	-	23.45	-	-	14.75	29.49	-
Administrative support, including clerical occupations .....	12.71	14.08	15.50	-	14.19	-	-	11.36	12.57	-
<b>Blue-collar occupations</b> .....	12.35	12.37	16.37	17.41	11.81	-	-	11.29	-	-
Precision production, craft, and repair occupations .....	17.75	18.91	16.94	19.24	18.88	-	-	14.03	-	-
Machine operators, assemblers, and inspectors .....	9.89	9.94	-	-	9.90	-	-	8.18	-	-
Transportation and material moving occupations .....	14.04	14.75	-	-	10.95	-	-	12.26	-	-
Handlers, equipment cleaners, helpers, and laborers .....	8.91	8.66	-	10.03	8.45	-	-	9.45	-	-
<b>Service occupations</b> .....	8.06	9.52	-	-	9.43	-	-	7.63	10.13	-

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>2</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine

major occupational groups.

<sup>4</sup> Goods-producing industries include mining, construction, and manufacturing.

<sup>5</sup> Service-producing industries include transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means not elsewhere classified. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.



**Table C-3. Mean hourly earnings<sup>1</sup> by occupational group and establishment employment size, private industry, all workers<sup>2</sup>, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupational group <sup>3</sup>	All private industry workers	50 - 99 workers	100 workers or more		
			Total	100 - 499 workers	500 workers or more
<b>All occupations</b> .....	\$16.74	\$16.02	\$16.89	\$16.08	\$17.80
All occupations excluding sales .....	16.64	16.04	16.76	15.52	18.09
<b>White-collar occupations</b> .....	21.70	22.42	21.56	21.10	21.98
White-collar excluding sales .....	22.41	24.92	22.01	21.03	22.80
Professional specialty and technical occupations .....	27.41	36.08	26.42	24.13	28.00
Professional specialty occupations .....	29.88	40.97	28.48	26.28	29.67
Technical occupations .....	20.85	16.96	21.17	20.65	21.81
Executive, administrative, and managerial occupations ...	31.87	34.59	31.33	33.08	30.01
Sales occupations .....	17.78	15.89	18.55	21.42	11.57
Administrative support, including clerical occupations .....	12.71	12.41	12.76	12.63	12.90
<b>Blue-collar occupations</b> .....	12.35	10.82	12.66	11.96	14.25
Precision production, craft, and repair occupations .....	17.75	15.46	18.35	17.64	19.78
Machine operators, assemblers, and inspectors .....	9.89	8.46	10.23	10.04	10.84
Transportation and material moving occupations .....	14.04	8.24	14.58	12.44	18.16
Handlers, equipment cleaners, helpers, and laborers .....	8.91	7.94	9.07	8.70	9.83
<b>Service occupations</b> .....	8.06	6.91	8.35	8.21	8.45

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>2</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means not elsewhere classified. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table C-4. Number of workers<sup>1</sup> represented by occupational group, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupational group <sup>2</sup>	All workers		
	All industries	Private industry	State and local government
<b>All occupations</b> .....	3,303,573	2,635,620	667,953
All occupations excluding sales .....	3,050,476	2,383,922	666,554
<b>White-collar occupations</b> .....	1,923,407	1,430,480	492,927
White-collar excluding sales .....	1,670,310	1,178,782	491,528
Professional specialty and technical occupations .....	663,252	392,986	270,265
Professional specialty occupations .....	541,561	289,696	251,865
Technical occupations .....	121,691	103,291	18,400
Executive, administrative, and managerial occupations ...	331,120	279,248	51,872
Sales occupations .....	253,097	251,698	—
Administrative support including clerical occupations .....	675,938	506,548	169,391
<b>Blue-collar occupations</b> .....	784,497	739,172	45,324
Precision production, craft, and repair occupations .....	235,463	208,976	26,486
Machine operators, assemblers, and inspectors .....	224,824	223,271	—
Transportation and material moving occupations .....	88,581	80,761	7,820
Handlers, equipment cleaners, helpers, and laborers .....	235,630	226,164	9,465
<b>Service occupations</b> .....	595,669	465,967	129,702

<sup>1</sup> Both full-time and part-time workers were included in the survey. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another establishment, where a 40-hour week is the minimum full-time schedule.

<sup>2</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of

nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means not elsewhere classified. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

# Appendix A: Technical Note

This section provides basic information on the procedures and concepts used to produce the data contained in this bulletin. It is divided into three parts: Planning for the survey; data collection; and processing and analyzing the data. While this section answers some questions commonly asked by data users, it is not a comprehensive description of all the steps required to produce the data.

## Planning for the survey

The overall design of the survey, which was based on the type of data to be produced, had to be developed before data collection could begin.

### Survey scope

This survey of the Los Angeles-Riverside-Orange County, CA, Consolidated Metropolitan Statistical Area covered establishments employing 50 workers or more in goods-producing industries (mining, construction and manufacturing); service-producing industries (transportation, communications, electric, gas, and sanitary services; wholesale trade; retail trade; finance, insurance, and real estate; and services industries); and State and local governments. Agriculture, private households, and the Federal Government were excluded from the scope of the survey. For purposes of this survey an establishment was an economic unit which produces goods or services, a central administrative office, or an auxiliary unit providing support services to a company. For private industries in this survey, the establishment was usually at a single physical location. For State and local governments, an establishment was defined as all locations of a government entity.

The Los Angeles-Riverside-Orange County, CA, CMSA includes Los Angeles, Orange, Riverside, San Bernadino, and Ventura Counties, CA.

### Sampling frame

The list of establishments from which the survey sample was selected (sampling frame) was developed from the State unemployment insurance reports for the Los Angeles-Riverside-Orange County, CA, Consolidated Metropolitan Statistical Area. The reference month for the public sector is June 1994. Due to the volatility of industries within the private sector, sampling frames were developed using the most recent month of reference available at the time the sample was selected. The reference month for the private sector is December 1994. The sampling frame was reviewed prior to the survey and, when necessary, missing establishments were added, out-of-business and out-of-scope establishments were removed, and addresses, em-

ployment levels, industry classification, and other information were updated.

### Sample design

The sample for this survey area was selected using a two stage stratified design with probability proportional to employment sampling at each stage. The first stage of sample selection was a probability sample of establishments. The sample of establishments was drawn by first stratifying the sampling frame by industry and ownership. The number of sample establishments allocated to each stratum is approximately proportional to the stratum employment. Each sampled establishment is selected within a stratum with a probability proportional to its employment. Use of this technique means that the larger an establishment's employment, the greater its chance of selection. Weights were applied to each establishment when the data were tabulated so that it represents similar units (by industry and employment size) in the economy which were not selected for collection. See appendix table 1 for a count of establishments in the survey by employment size. The second stage of sample selection, detailed below, was a probability sample of occupations within a sampled establishment.

## Data collection

The collection of data from survey respondents required detailed procedures. Collection was the responsibility of the field economists, working out of the Regional Office, who visited each establishment surveyed.

### Occupational selection and classification

Identification of the occupations for which wage data were to be collected was a multi-step process:

1. Probability-proportional-to-size selection of establishment jobs.
2. Classification of jobs into occupations based on the Census of Population system.
3. Characterization of jobs as full-time v. part-time, union v. nonunion, and time v. incentive.
4. Determination of the level of work of each job.

For each occupation, wage data were collected for those workers who met all the criteria identified in the last three steps. Special procedures were developed for jobs for which a correct classification or level could not be determined.

In step one, the jobs to be sampled were selected at each establishment by the BLS field economist during a personal visit. A complete list of employees was used for sampling, with each selected worker representing a job within the establishment.

As with the selection of establishments, the selection of a job was based on probability proportional to its size in the establishment. The greater the number of people working in a job in the establishment, the greater its chance of selection.

The number of jobs collected in each establishment was based on an establishment's employment size as shown in the following schedule:

<i>Number of employees</i>	<i>Number of selected jobs</i>
50-99	8
100-249	10
250-999	12
1000-2,499	16
2,500+	20

The second step of the process entailed classifying the selected jobs into occupations based on their duties. The National Compensation Survey occupational classification system is based on the 1990 Census of Population. A selected job may fall into any one of about 480 occupational classifications, from accountant to wood lathe operator. In cases where a job's duties overlapped two or more census classification codes, the duties used to set the wage level were used to classify the job. Classification by primary duties was the fallback.

Each occupational classification is an element of a broader classification known as a major occupational group (MOG). Occupations can fall into any of the following MOG's:

- Professional specialty and technical
- Executive, administrative, and managerial
- Sales
- Administrative support including clerical
- Precision production, craft, and repair
- Machine operators, assemblers, and inspectors
- Transportation and material moving
- Handlers, equipment cleaners, helpers, and laborers
- Service occupations

A complete list of all individual occupations, classified by the MOG to which they belong, is contained in appendix B.

In step three, certain other job characteristics of the chosen worker were identified. First, the worker was identified as holding either a full-time or part-time job, based on the establishment's definition of those terms. Then the worker was classified as having a time versus incentive job,

depending on whether any part of pay was directly based on the actual production of the worker, rather than solely on hours worked. Finally, the worker was identified as being in a union job or a nonunion job. See the "Definition of Terms" section on the following page for more detail.

### **Generic leveling through point factor analysis**

In the last step before wage data were collected, the work level of each selected job was determined using a "generic leveling" process. Generic leveling ranks and compares all occupations randomly selected in an establishment using the same criteria. This is a major departure from the method used in the past in the Bureau's Occupational Compensation Surveys which studied specifically defined occupations with leveling definitions unique to each occupation.

For this survey, the level of each occupation in an establishment was determined by an analysis of each of 10 leveling factors. Nine of these factors are drawn from the U.S. Government Office of Personnel Management's Factor Evaluation System, which is the underlying structure for evaluation of General Schedule Federal employees. The tenth factor, supervisory duties, attempts to account for the effect of supervisory duties. It is considered experimental. The 10 factors are:

- Knowledge
- Supervision received
- Guidelines
- Complexity
- Scope and effect
- Personal contacts
- Purpose of contacts
- Physical demands
- Work environment
- Supervisory duties

Each factor contains a number of levels and each level has an associated written description and point value. The number and range of points differ among the factors. For each factor, an occupation was assigned a level based on which written description best matched the job. Within each occupation, the points for 9 factors (supervisory duties was excluded) were recorded and totaled. The total determines the overall level of the occupation. Appendix table 3 presents average work levels for published occupational groups and selected occupations. A description of the levels for each factor is shown in appendix C.

Tabulations of levels of work for occupations in the survey follow the Federal Government's white-collar General Schedule. Point ranges for each of the 15 levels are shown in appendix D. It also includes an example of a leveled job and a guide to help data users evaluate jobs in their firm.

Wage data collected in prior surveys using the new generic leveling method were evaluated by BLS researchers

using regression techniques. For each of the major occupational groups, wages were compared to the 10 generic level factors (and levels within those factors). The analysis showed that several of the generic level factors, most notably knowledge and supervision received, had strong explanatory power for wages. That is, as the levels within a given factor increased, the wages also increased. Detailed research continues in the area. The results of this research will be published by BLS in the future.

### Collection period

The survey was collected from December 1997 through May 1998. The average payroll reference month was March 1998. For each establishment in the survey, the data reflect the establishment's practices on the day of collection.

### Earnings

Earnings were defined as regular payments from the employer to the employee as compensation for straight-time hourly work, or for any salaried work performed. The following components were included as part of earnings:

- Incentive pay, including commissions, production bonuses, and piece rates
- Cost-of-living allowances
- Hazard pay
- Payments of income deferred due to participation in a salary reduction plan
- Deadhead pay, defined as pay given to transportation workers returning in a vehicle without freight or passengers

The following forms of payments were *not* considered part of straight-time earnings:

- Shift differentials, defined as extra payment for working a schedule that varies from the norm, such as night or weekend work
- Premium pay for overtime, holidays, and weekends
- Bonuses not directly tied to production (e.g., Christmas bonuses, profit-sharing bonuses)
- Uniform and tool allowances
- Free room and board
- Payments made by third parties (e.g., tips, bonuses given by manufacturers to department store salespeople, referral incentives in real estate)
- On-call pay

In order to calculate earnings for various time periods (hourly, weekly, and annual), data on work schedules were also collected. For hourly workers, scheduled hours worked per day and per week, exclusive of overtime, were recorded. Annual weeks worked were determined. Because salaried workers, exempt from overtime provisions, often work beyond the assigned work schedule, their typical number of hours actually worked was collected.

### Definition of terms

*Full-time worker.* Any employee that the employer considers to be full time.

*Incentive worker.* Any employee whose earnings are tied, at least in part, to commissions, piece rates, production bonuses, or other incentives based on production or sales.

*Level.* A ranking of an occupation based on the requirements of the position. (See the description in the technical note and the example for more details on the leveling process.)

*Nonunion worker.* An employee in an occupation not meeting the conditions for union coverage (see below).

*Part-time worker.* Any employee that the employer considers to be part-time.

*Straight-time.* Time worked at the standard rate of pay for the job.

*Time-based worker.* Any employee whose earnings are tied to an hourly rate or salary, and not to a specific level of production.

*Union worker.* Any employee is in a union occupation when all of the following conditions are met:

- A labor organization is recognized as the bargaining agent for all workers in the occupation.
- Wage and salary rates are determined through collective bargaining or negotiations.
- Settlement terms, which must include earnings provisions and may include benefit provisions, are embodied in a signed mutually binding collective bargaining agreement.

## Processing and analyzing the data

Data were processed and analyzed at the Bureau's National Office following collection.

### Weighting and nonresponse

Sample weights were calculated for each establishment/occupation in the survey. These weights reflected the relative size of the occupation within the establishment and of the establishment within the sample universe. Weights were used to aggregate the individual establishment/occupations into the various data series. Of the establishments surveyed, 24.9 percent (representing 857,005 employees) refused to supply information. If data were not provided by a sample member, the weights of responding sample members in the same or similar "cells" were adjusted to account for the missing data. This technique assumes that the mean value of the nonrespondents equals the mean value of the respondents at some detailed "cell" level. Responding and nonresponding establishments were classified into these cells according to industry and employment size. Responding and nonresponding occupations within responding establishments were classified into cells which were additionally defined by major occupation group and job level.

Establishments which were determined to be out of business or outside the scope of the survey (10.3 percent of the total sample) had their weights changed to zero. If only partial data were given by a sample establishment or occupation, or data were missing, the response was treated as a refusal.

### Estimation

The wage series in the tables are computed by combining the wages for individual establishment/occupations. Before being combined, individual wage rates are weighted by: number of workers; the sample weight adjusted for nonresponding establishments and other factors; and the occupation work schedule, varying depending on whether hourly, weekly, or annual rates are being calculated.

Not all series that were calculated met the criteria for publication. Before any series was published, it was reviewed to make sure that the number of observations underlying it was sufficient. This review prevented publishing a series that could have revealed information about a specific establishment.

The number of workers estimates represent the total in all establishments within the scope of the study and not the number actually surveyed. Because occupational structures

among establishments differ, estimates of the number of workers obtained from the sample of establishments serve only to indicate the relative importance of the occupational groups studied.

### Data reliability

The data in this bulletin are estimates from a scientifically selected probability sample. There are two types of errors possible in an estimate based on a sample survey, sampling and nonsampling.

*Sampling errors* occur because observations come only from a sample and not from an entire population. The sample used for this survey is one of a number of possible samples of the same size that could have been selected using the sample design. Estimates derived from the different samples would differ from each other.

A measure of the variation among these differing estimates is called the standard error or sampling error. It indicates the precision with which an estimate from a particular sample approximates the average result of all possible samples. The relative standard error (RSE) is the standard error divided by the estimate. Appendix table 2 contains RSE data for selected series in this bulletin. RSE data for all series in this bulletin are available on the Internet web site and by request to the BLS National Office.

The standard error can be used to calculate a "confidence interval" around a sample estimate. As an example, suppose table A-1 shows that mean hourly earnings for all workers was \$12.79 per hour, and appendix table 2 shows a relative standard error of 3.6 percent for this estimate. At the 90-percent level, the confidence interval for this estimate is \$13.55 to \$12.03 (\$12.79 plus and minus 1.645 times 3.6 percent times \$12.79). If all possible samples were selected to estimate the population value, the interval from each sample would include the true population value approximately 90 percent of the time.

*Nonsampling errors* also affect survey results. They can stem from many sources, such as inability to obtain information for some establishments, difficulties with survey definitions, inability of the respondents to provide correct information, or mistakes in recording or coding the data obtained. A Technical Reinterview Program done in all survey areas will be used in the development of a formal quality assessment process to help compute nonsampling error. Although they were not specifically measured, the nonsampling errors were expected to be minimal due to the extensive training of the field economists who gathered the survey data by personal visit, computer edits of the data, and detailed data review.

**Appendix table 1. Number of establishments studied by industry division and establishment employment size, and number of establishments represented, Los Angeles-Riverside-Orange Co, CA, March 1998**

Industry	Number of establishments represented	Number of establishments studied				
		Total studied	50 - 99 workers	100 workers or more		
				Total	100 - 499 workers	500 workers or more
All industries .....	15,428	554	144	410	219	191
Private industry .....	14,950	492	141	351	212	139
Goods-producing industries .....	3,620	136	25	111	76	35
Mining .....	32	13	3	10	8	2
Construction .....	516	11	5	6	6	—
Manufacturing .....	3,071	112	17	95	62	33
Service-producing industries .....	11,331	356	116	240	136	104
Transportation and public utilities .....	843	30	6	24	15	9
Wholesale and retail trade .....	5,102	108	53	55	42	13
Finance, insurance and real estate .....	907	24	5	19	8	11
Services .....	4,479	194	52	142	71	71
State and local government .....	478	62	3	59	7	52

NOTE: Dashes indicate that no data were reported. Overall industry and industry groups may include data for categories not shown separately.

**Appendix table 2. Relative standard errors of mean hourly earnings<sup>1</sup> for selected occupations, all industries, private industry, and State and local government, all workers<sup>2</sup>, Los Angeles-Riverside-Orange Co, CA, March 1998**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>All occupations</b> .....	2.5	3.1	2.1
All occupations excluding sales .....	2.5	3.2	2.1
<b>White-collar occupations</b> .....	2.2	2.8	2.4
White-collar occupations excluding sales .....	2.2	2.9	2.4
Professional specialty and technical occupations .....	2.3	3.3	2.5
Professional specialty occupations .....	2.3	3.5	2.6
Engineers, architects, and surveyors .....	2.2	2.3	3.3
Aerospace engineers .....	4.9	4.9	—
Civil engineers .....	6.7	11.4	3.3
Electrical and electronic engineers .....	4.3	4.4	—
Industrial engineers .....	4.2	4.2	—
Mechanical engineers .....	7.2	8.1	—
Engineers, N.E.C. ....	3.3	3.3	—
Mathematical and computer scientists .....	10.7	11.0	6.1
Computer systems analysts and scientists .....	11.2	11.2	6.1
Operations and systems researchers and analysts .....	7.3	7.3	—
Natural scientists .....	5.4	6.7	4.5
Chemists, except biochemists .....	7.4	9.3	—
Physical scientists, N.E.C. ....	7.0	—	—
Medical scientists .....	7.5	—	—
Health related occupations .....	3.4	3.7	7.3
Physicians .....	21.1	22.2	—
Registered nurses .....	3.0	3.4	2.9
Pharmacists .....	6.7	6.7	—
Dietitians .....	8.3	—	—
Respiratory therapists .....	2.4	2.4	—
Teachers, college and university .....	4.1	11.7	3.8
Business, commerce and marketing teachers .....	23.3	23.9	—
Education teachers .....	36.4	36.4	—
English teachers .....	4.1	—	—
Foreign language teachers .....	9.5	—	—
Teachers, post secondary, subject not specified ..	12.7	—	14.0
Teachers, post secondary N.E.C. ....	2.6	—	2.6
Teachers, except college and university .....	3.6	7.8	2.8
Prekindergarten and kindergarten .....	3.4	—	—
Elementary school teachers .....	3.9	9.6	3.6
Secondary school teachers .....	2.7	4.0	2.5
Teachers, special education .....	8.7	—	—
Teachers, N.E.C. ....	12.4	10.7	15.1
Substitute teachers .....	4.3	—	4.2
Vocational and educational counselors .....	19.3	—	17.7
Librarians, archivists, and curators .....	5.1	—	—
Social scientists and urban planners .....	8.6	6.8	19.4
Psychologists .....	17.1	—	—
Social, recreation, and religious workers .....	11.6	10.5	14.8
Social workers .....	12.4	7.7	15.7
Recreation workers .....	16.1	—	—
Lawyers and judges .....	8.2	—	—
Lawyers .....	8.2	—	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	14.0	14.2	—
Designers .....	14.7	14.7	—
Actors and directors .....	15.3	15.3	—
Editors and reporters .....	21.3	21.3	—
Professional occupations, N.E.C. ....	10.0	10.5	—
Technical occupations .....	4.2	4.8	5.4
Clinical laboratory technologists and technicians	7.2	7.5	—
Radiological technicians .....	3.1	3.1	—
Licensed practical nurses .....	7.3	7.6	—
Health technologists and technicians, N.E.C. ....	5.3	6.4	—
Electrical and electronic technicians .....	5.1	5.2	5.7
Engineering technicians, N.E.C. ....	10.8	12.8	—

See footnotes at end of table.



**Appendix table 2. Relative standard errors of mean hourly earnings<sup>1</sup> for selected occupations, all industries, private industry, and State and local government, all workers<sup>2</sup>, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>White-collar occupations (-Continued)</b>			
Professional specialty and technical occupations (-Continued)			
Technical occupations (-Continued)			
Science technicians, N.E.C. ....	6.2	—	5.7
Airplane pilots and navigators .....	31.2	36.1	—
Computer programmers .....	8.9	11.1	—
Technical and related occupations, N.E.C. ....	8.0	9.4	4.3
Executive, administrative, and managerial occupations ...	3.8	4.1	5.5
Executives, administrators, and managers .....	5.0	5.4	8.8
Administrators and officials, public administration	8.4	—	9.8
Financial managers .....	6.1	6.3	11.0
Personnel and labor relations managers .....	6.5	7.8	—
Purchasing managers .....	5.2	—	—
Managers., marketing, advertising and public relations .....	8.3	8.2	—
Administrators, education and related fields .....	4.3	4.8	3.4
Managers, medicine and health .....	7.2	7.5	—
Managers, food servicing and lodging establishments .....	14.2	11.9	—
Managers, service organizations, N.E.C. ....	13.0	13.3	—
Managers and administrators, N.E.C. ....	8.9	9.2	15.0
Management related occupations .....	2.8	3.2	4.2
Accountants and auditors .....	2.9	3.0	7.9
Other financial officers .....	10.5	10.5	—
Management analysts .....	5.9	6.4	—
Personnel, training, and labor relations specialists .....	8.0	8.9	—
Purchasing agents and buyers, N.E.C. ....	3.3	3.3	—
Construction inspectors .....	4.6	—	5.9
Inspectors and compliance officers, except construction .....	6.4	—	—
Management related occupations, N.E.C. ....	3.1	3.4	2.1
Sales occupations .....	11.6	11.6	—
Supervisors, sales occupations .....	21.4	21.4	—
Sales occupations, other business services .....	33.5	33.5	—
Sales representatives, mining, manufacturing, and wholesale .....	7.4	7.4	—
Sales workers, motor vehicles and boats .....	9.7	9.7	—
Sales workers, apparel .....	10.7	10.7	—
Sales workers, furniture & home furnishings .....	8.7	8.7	—
Sales workers, parts .....	12.2	12.2	—
Sales workers, other commodities .....	10.7	10.7	—
Cashiers .....	5.9	6.0	—
Sales support occupations, N.E.C. ....	9.6	9.6	—
Administrative support occupations, including clerical ....	1.7	2.1	2.2
Supervisors, general office .....	5.9	9.0	5.7
Supervisors, financial records processing .....	7.7	7.7	—
Supervisors, distribution, scheduling, and adjusting clerks .....	11.1	13.9	—
Computer operators .....	6.1	6.1	—
Secretaries .....	2.2	2.4	4.4
Typists .....	4.9	—	—
Interviewers .....	7.5	8.2	—
Hotel clerks .....	22.1	22.1	—
Transportation ticket and reservation agents .....	6.3	6.3	—
Receptionists .....	4.1	4.1	—
Information clerks, N.E.C. ....	3.9	4.0	—
Order clerks .....	6.0	5.4	—
Personnel clerks except payroll & timekeeping ....	6.3	6.3	—
Library clerks .....	7.0	11.0	8.3
File clerks .....	5.9	5.9	—
Records clerks, N.E.C. ....	6.6	8.3	5.0

See footnotes at end of table.

**Appendix table 2. Relative standard errors of mean hourly earnings<sup>1</sup> for selected occupations, all industries, private industry, and State and local government, all workers<sup>2</sup>, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>White-collar occupations</b> (-Continued)			
Administrative support occupations, including clerical (-Continued)			
Bookkeepers, accounting and auditing clerks .....	1.9	2.0	5.0
Payroll and timekeeping clerks .....	4.7	5.7	—
Billing clerks .....	6.4	6.4	—
Telephone operators .....	13.1	5.1	—
Mail clerks except postal service .....	7.9	8.6	—
Dispatchers .....	6.8	11.1	2.6
Production coordinators .....	6.6	6.7	—
Traffic, shipping and receiving clerks .....	6.4	6.4	—
Stock and inventory clerks .....	9.3	9.4	—
Meter readers .....	9.7	—	—
Material recording, scheduling, and distribution clerks, N.E.C. ....	13.0	13.0	—
Insurance adjusters, examiners, & investigators ..	15.4	15.4	—
Investigators and adjusters except insurance .....	8.4	8.9	—
Eligibility clerks, social welfare .....	1.1	—	0.9
Bill and account collectors .....	4.6	5.1	—
General office clerks .....	2.7	3.7	3.2
Data entry keyers .....	4.0	5.7	—
Statistical clerks .....	9.1	9.1	—
Teachers' aides .....	6.0	18.1	6.2
Administrative support occupations, N.E.C. ....	3.5	3.8	4.5
<b>Blue-collar occupations</b> .....			
Precision production, craft, and repair occupations .....	3.9	4.2	4.8
Supervisors, mechanics and repairers .....	4.1	4.7	4.7
Supervisors, mechanics and repairers .....	6.1	6.3	—
Automobile mechanics .....	6.6	6.6	—
Bus, truck, and stationary engine mechanics .....	8.1	—	—
Aircraft mechanics except engine .....	2.7	2.7	—
Heavy equipment mechanics .....	5.0	—	—
Industrial machinery repairers .....	7.1	6.3	—
Machinery maintenance occupations .....	12.8	12.8	—
Electronic repairers, communications and industrial equipment .....	4.0	5.6	—
Mechanics and repairers, N.E.C. ....	6.9	7.6	14.4
Carpenters .....	4.7	5.2	—
Electricians .....	7.3	9.0	—
Painters, construction and maintenance .....	24.0	21.4	—
Construction trades, N.E.C. ....	6.2	—	5.0
Supervisors, production occupations .....	12.9	13.9	—
Tool and die makers .....	10.1	10.1	—
Machinists .....	5.4	5.4	—
Electrical and electronic equipment assemblers ..	11.3	11.3	—
Miscellaneous precision workers, N.E.C. ....	13.9	13.9	—
Butchers and meat cutters .....	16.2	16.2	—
Inspectors, testers, and graders .....	10.4	10.7	—
Water and sewer treatment plant operators .....	5.3	—	5.4
Machine operators, assemblers, and inspectors .....	4.0	4.0	—
Punching and stamping press operators .....	10.0	10.0	—
Grinding, abrading, buffing, and polishing machine operators .....	14.5	14.5	—
Fabricating machine operators, N.E.C. ....	17.7	17.7	—
Molding and casting machine operators .....	8.7	8.7	—
Sawing machine operators .....	7.1	7.1	—
Printing press operators .....	15.2	15.2	—
Textile cutting machine operators .....	5.5	5.5	—
Textile sewing machine operators .....	9.4	9.4	—
Packaging and filling machine operators .....	13.8	13.8	—
Mixing and blending machine operators .....	11.1	11.1	—
Painting and paint spraying machine operators ...	21.7	21.7	—
Photographic process machine operators .....	7.6	7.6	—
Miscellaneous machine operators, N.E.C. ....	8.2	7.6	—

See footnotes at end of table.

**Appendix table 2. Relative standard errors of mean hourly earnings<sup>1</sup> for selected occupations, all industries, private industry, and State and local government, all workers<sup>2</sup>, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>Blue-collar occupations</b> (-Continued)			
Machine operators, assemblers, and inspectors (-Continued)			
Welders and cutters .....	17.1	18.1	—
Assemblers .....	7.4	7.4	—
Miscellaneous hand working occupations, N.E.C. ....	5.7	5.7	—
Production inspectors, checkers and examiners ..	4.9	4.9	—
Production testers .....	10.0	10.0	—
Transportation and material moving occupations .....	11.5	13.0	8.1
Truck drivers .....	8.5	8.8	—
Bus drivers .....	8.7	2.3	—
Industrial truck and tractor equipment operators ..	8.0	8.0	—
Miscellaneous material moving equipment operators, N.E.C. ....	17.5	3.9	—
Handlers, equipment cleaners, helpers, and laborers .....	3.2	3.3	5.9
Groundskeepers and gardeners except farm .....	12.3	18.5	—
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	11.3	11.3	—
Helpers, mechanics and repairers .....	12.1	9.9	—
Construction laborers .....	9.1	9.1	—
Production helpers .....	6.5	6.5	—
Stock handlers and baggers .....	11.4	11.4	—
Machine feeders and offbearers .....	12.1	12.1	—
Freight, stock, and material handlers, N.E.C. ....	7.4	7.4	—
Vehicle washers and equipment cleaners .....	7.4	7.4	—
Hand packers and packagers .....	5.8	5.8	—
Laborers except construction, N.E.C. ....	7.6	8.0	7.7
<b>Service occupations</b> .....			
Protective service occupations .....	5.2	2.8	4.5
Supervisors, police and detectives .....	8.9	8.3	4.9
Supervisors, police and detectives .....	6.4	—	6.4
Firefighting occupations .....	33.4	—	33.4
Police and detectives, public service .....	4.3	—	4.3
Sheriffs, bailiffs, and other law enforcement officers .....	5.5	—	5.5
Correctional institution officers .....	8.4	—	8.4
Guards and police except public service .....	6.2	6.0	—
Food service occupations .....	2.9	3.1	3.8
Supervisors, food preparation and service occupations .....	9.4	10.4	—
Bartenders .....	7.3	7.3	—
Waiters and waitresses .....	1.3	1.3	—
Cooks .....	5.6	5.8	—
Food counter, fountain, and related occupations .....	6.9	6.9	—
Kitchen workers, food preparation .....	6.1	5.8	—
Waiters/Waitresses' assistants .....	1.7	1.7	—
Food preparation occupations, N.E.C. ....	3.5	3.6	3.9

See footnotes at end of table.

**Appendix table 2. Relative standard errors of mean hourly earnings<sup>1</sup> for selected occupations, all industries, private industry, and State and local government, all workers<sup>2</sup>, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>Service occupations (-Continued)</b>			
Health service occupations .....	3.4	3.6	5.2
Health aides, except nursing .....	4.4	5.0	—
Nursing aides, orderlies and attendants .....	3.6	3.8	5.5
Cleaning and building service occupations .....	3.9	2.8	4.7
Supervisors, cleaning & building service workers .....	8.0	9.1	—
Maids and housemen .....	4.4	4.4	—
Janitors and cleaners .....	4.8	3.4	3.0
Personal service occupations .....	9.8	11.1	14.3
Attendants, amusement and recreation facilities ..	6.9	7.3	—
Public transportation attendants .....	24.2	24.2	—
Early childhood teachers' assistants .....	3.5	—	7.1
Child care workers, N.E.C. ....	11.0	15.1	4.8
Service occupations, N.E.C. ....	13.9	12.6	—

<sup>1</sup> The relative standard error is the standard error expressed as a percent of the estimate. Hourly earnings for these occupations are presented in Tables A-1 and A-2. Reliable relative standard errors could not be determined for all occupations.

<sup>2</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480

individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means not elsewhere classified. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>All occupations</b> .....	6	6	3
All occupations excluding sales .....	6	6	4
<b>White-collar occupations</b> .....	7	7	5
White-collar occupations excluding sales .....	7	8	5
Professional specialty and technical occupations .....	9	9	8
Professional specialty occupations .....	9	9	8
Engineers, architects, and surveyors .....	11	11	—
Aerospace engineers .....	11	11	—
Civil engineers .....	10	10	—
Electrical and electronic engineers .....	11	11	—
Industrial engineers .....	10	10	—
Mechanical engineers .....	10	10	—
Engineers, N.E.C. ....	10	10	—
Mathematical and computer scientists .....	10	10	—
Computer systems analysts and scientists .....	10	10	—
Operations and systems researchers and analysts .....	9	9	—
Natural scientists .....	10	10	—
Chemists, except biochemists .....	10	10	—
Physical scientists, N.E.C. ....	10	10	—
Medical scientists .....	10	10	—
Health related occupations .....	9	9	8
Physicians .....	12	12	—
Registered nurses .....	8	9	8
Pharmacists .....	11	—	—
Dietitians .....	8	8	—
Respiratory therapists .....	7	7	—
Teachers, college and university .....	11	11	10
Business, commerce and marketing teachers .....	12	12	—
Education teachers .....	10	—	—
English teachers .....	10	10	—
Foreign language teachers .....	9	—	—
Teachers, post secondary, subject not specified .....	10	11	—
Teachers, post secondary N.E.C. ....	11	11	11
Teachers, except college and university .....	8	8	8
Prekindergarten and kindergarten .....	8	—	—
Elementary school teachers .....	8	8	—
Secondary school teachers .....	9	9	—
Teachers, special education .....	9	9	—
Teachers, N.E.C. ....	8	8	8
Substitute teachers .....	6	—	6
Vocational and educational counselors .....	10	10	—
Librarians, archivists, and curators .....	8	8	—
Social scientists and urban planners .....	10	10	—
Psychologists .....	9	9	—
Social, recreation, and religious workers .....	7	8	—
Social workers .....	8	8	—
Recreation workers .....	6	—	—
Lawyers and judges .....	13	13	—
Lawyers .....	13	13	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	9	9	9
Designers .....	10	10	—
Actors and directors .....	—	—	—
Editors and reporters .....	9	9	—
Professional occupations, N.E.C. ....	10	10	—
Technical occupations .....	7	7	6
Clinical laboratory technologists and technicians .....	7	7	—
Radiological technicians .....	6	6	—
Licensed practical nurses .....	6	6	7
Health technologists and technicians, N.E.C. ....	6	6	—
Electrical and electronic technicians .....	7	7	—
Engineering technicians, N.E.C. ....	8	8	—
Science technicians, N.E.C. ....	7	6	—
Airplane pilots and navigators .....	9	9	—
Computer programmers .....	9	9	—
Technical and related occupations, N.E.C. ....	8	8	—
Executive, administrative, and managerial occupations .....	10	10	12

See footnotes at end of table.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>White-collar occupations (-Continued)</b>			
Executive, administrative, and managerial occupations (-Continued)			
Executives, administrators, and managers .....	11	11	12
Administrators and officials, public administration .....	11	11	—
Financial managers .....	11	11	—
Personnel and labor relations managers .....	11	11	—
Purchasing managers .....	11	11	—
Managers., marketing, advertising and public relations .....	11	11	—
Administrators, education and related fields .....	11	11	—
Managers, medicine and health .....	11	11	—
Managers, food servicing and lodging establishments ...	8	8	—
Managers, service organizations, N.E.C. ....	11	10	—
Managers and administrators, N.E.C. ....	11	11	—
Management related occupations .....	9	9	—
Accountants and auditors .....	8	8	—
Other financial officers .....	9	9	—
Management analysts .....	9	9	—
Personnel, training, and labor relations specialists .....	8	8	—
Purchasing agents and buyers, N.E.C. ....	8	8	—
Construction inspectors .....	8	8	—
Inspectors and compliance officers, except construction .....	8	8	—
Management related occupations, N.E.C. ....	9	9	—
Sales occupations .....	5	6	3
Supervisors, sales occupations .....	8	8	—
Sales occupations, other business services .....	7	8	—
Sales representatives, mining, manufacturing, and wholesale .....	8	8	—
Sales workers, motor vehicles and boats .....	5	5	—
Sales workers, apparel .....	2	—	—
Sales workers, furniture & home furnishings .....	3	—	3
Sales workers, parts .....	4	4	—
Sales workers, other commodities .....	4	5	4
Cashiers .....	3	4	3
Sales support occupations, N.E.C. ....	5	6	—
Administrative support occupations, including clerical .....	4	5	3
Supervisors, general office .....	6	6	—
Supervisors, financial records processing .....	7	7	—
Supervisors, distribution, scheduling, and adjusting clerks .....	7	7	—
Computer operators .....	5	5	—
Secretaries .....	5	6	4
Typists .....	5	5	—
Interviewers .....	3	3	—
Hotel clerks .....	4	5	—
Transportation ticket and reservation agents .....	5	5	—
Receptionists .....	3	3	2
Information clerks, N.E.C. ....	4	4	—
Order clerks .....	4	4	—
Personnel clerks except payroll & timekeeping .....	5	5	—
Library clerks .....	4	4	—
File clerks .....	2	3	—
Records clerks, N.E.C. ....	5	5	—
Bookkeepers, accounting and auditing clerks .....	5	5	—
Payroll and timekeeping clerks .....	4	4	—
Billing clerks .....	4	—	—
Telephone operators .....	3	3	—
Mail clerks except postal service .....	2	2	—
Dispatchers .....	6	6	—
Production coordinators .....	6	6	—
Traffic, shipping and receiving clerks .....	3	3	—
Stock and inventory clerks .....	3	4	—
Meter readers .....	4	4	—
Material recording, scheduling, and distribution clerks, N.E.C. ....	4	—	—
Insurance adjusters, examiners, & investigators .....	6	6	—
Investigators and adjusters except insurance .....	4	4	—
Eligibility clerks, social welfare .....	6	6	—

See footnotes at end of table.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>White-collar occupations (-Continued)</b>			
Administrative support occupations, including clerical (-Continued)			
Bill and account collectors .....	5	5	—
General office clerks .....	4	4	3
Data entry keyers .....	4	4	—
Statistical clerks .....	4	4	—
Teachers' aides .....	3	3	3
Administrative support occupations, N.E.C. ....	5	5	2
<b>Blue-collar occupations</b> .....			
Precision production, craft, and repair occupations .....	6	6	4
Supervisors, mechanics and repairers .....	8	8	—
Automobile mechanics .....	6	6	—
Bus, truck, and stationary engine mechanics .....	6	6	—
Aircraft mechanics except engine .....	7	7	—
Heavy equipment mechanics .....	7	7	—
Industrial machinery repairers .....	7	7	—
Machinery maintenance occupations .....	5	5	—
Electronic repairers, communications and industrial equipment .....	7	7	—
Mechanics and repairers, N.E.C. ....	6	6	—
Carpenters .....	7	7	—
Electricians .....	7	7	—
Painters, construction and maintenance .....	4	4	—
Construction trades, N.E.C. ....	5	5	—
Supervisors, production occupations .....	8	8	—
Tool and die makers .....	7	7	—
Machinists .....	7	7	—
Electrical and electronic equipment assemblers .....	3	3	—
Miscellaneous precision workers, N.E.C. ....	6	6	—
Butchers and meat cutters .....	4	4	—
Inspectors, testers, and graders .....	6	6	—
Water and sewer treatment plant operators .....	7	7	—
Machine operators, assemblers, and inspectors .....	3	3	2
Punching and stamping press operators .....	3	3	—
Grinding, abrading, buffing, and polishing machine operators .....	3	3	—
Fabricating machine operators, N.E.C. ....	4	4	—
Molding and casting machine operators .....	2	2	—
Sawing machine operators .....	3	3	—
Printing press operators .....	5	5	—
Textile cutting machine operators .....	3	3	—
Textile sewing machine operators .....	2	2	—
Packaging and filling machine operators .....	2	2	—
Mixing and blending machine operators .....	3	3	—
Painting and paint spraying machine operators .....	3	3	—
Photographic process machine operators .....	4	4	—
Miscellaneous machine operators, N.E.C. ....	3	3	—
Welders and cutters .....	6	6	—
Assemblers .....	3	3	—
Miscellaneous hand working occupations, N.E.C. ....	2	2	—
Production inspectors, checkers and examiners .....	4	4	—
Production testers .....	4	4	—
Transportation and material moving occupations .....	4	4	3
Truck drivers .....	4	4	3
Bus drivers .....	4	4	—
Industrial truck and tractor equipment operators .....	3	3	—
Miscellaneous material moving equipment operators, N.E.C. ....	4	—	—
Handlers, equipment cleaners, helpers, and laborers .....	2	3	2
Groundskeepers and gardeners except farm .....	4	5	—
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	6	6	—
Helpers, mechanics and repairers .....	3	3	—
Construction laborers .....	2	2	—
Production helpers .....	2	2	—
Stock handlers and baggers .....	2	3	2

See footnotes at end of table.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Los Angeles-Riverside-Orange Co, CA, March 1998 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>Blue-collar occupations</b> (-Continued)			
Handlers, equipment cleaners, helpers, and laborers (-Continued)			
Machine feeders and offbearers .....	2	2	—
Freight, stock, and material handlers, N.E.C. ....	2	2	—
Vehicle washers and equipment cleaners .....	2	2	—
Hand packers and packagers .....	2	2	2
Laborers except construction, N.E.C. ....	3	3	2
<b>Service occupations</b> .....			
Protective service occupations .....	6	6	3
Supervisors, police and detectives .....	10	10	—
Firefighting occupations .....	4	—	—
Police and detectives, public service .....	8	8	—
Sheriffs, bailiffs, and other law enforcement officers .....	8	8	—
Correctional institution officers .....	7	7	—
Guards and police except public service .....	2	2	—
Food service occupations .....	2	3	2
Supervisors, food preparation and service occupations .....	6	6	—
Bartenders .....	3	—	—
Waiters and waitresses .....	2	2	2
Cooks .....	3	3	—
Food counter, fountain, and related occupations .....	2	1	2
Kitchen workers, food preparation .....	2	2	—
Waiters/Waitresses' assistants .....	1	1	2
Food preparation occupations, N.E.C. ....	2	2	1
Health service occupations .....	3	4	3
Health aides, except nursing .....	4	4	4
Nursing aides, orderlies and attendants .....	3	3	3
Cleaning and building service occupations .....	2	2	1
Supervisors, cleaning & building service workers .....	4	4	—
Maids and housemen .....	1	1	—
Janitors and cleaners .....	2	2	1
Personal service occupations .....	3	4	2
Attendants, amusement and recreation facilities .....	3	—	—
Public transportation attendants .....	6	6	—
Early childhood teachers' assistants .....	3	—	2
Child care workers, N.E.C. ....	3	—	2
Service occupations, N.E.C. ....	2	2	2

<sup>1</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups. The occupations titled authors, musicians, actors, painters, photographers, dancers, artists, athletes, and legislators cannot be assigned a work level.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."