

# **Austin-San Marcos, TX National Compensation Survey October 1998**

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U.S. Department of Labor  
Alexis M. Herman, Secretary

Bureau of Labor Statistics  
Katharine G. Abraham, Commissioner

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# Preface

Data shown in this bulletin were collected as part of the Bureau of Labor Statistics' (BLS) 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.

Field economists of the Bureau of Labor Statistics collected and reviewed the survey data. 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 prepared the survey for publication.

For additional information regarding this survey, please contact any BLS regional office at the address and telephone number listed on the inside back cover of this bulletin. 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) 606-6199, or send e-mail to [ocltinfo@bls.gov](mailto:ocltinfo@bls.gov).

The data contained in this bulletin are also available at <http://stats.bls.gov/comhome.htm>, the BLS Internet site. 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.

Results of earlier surveys of this area are also available from BLS regional offices, the Division of Compensation Data Analysis, or at the BLS Internet site.

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# Introduction

The tables in this bulletin summarize the NCS survey results for the Austin-San Marcos, TX metropolitan area. 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 are 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 products

The National Compensation Survey of the Bureau of Labor Statistics provides data on the occupational wages and employee benefits for localities, broad geographic regions, and the Nation as a whole. The Employment Cost Index, a quarterly measure of the change in employer costs for wages and benefits, will be derived from the NCS. Another product, Employer Costs for Employee Compensation, measures employers' average hourly costs for total compensation, that is, wages and benefits. Still another NCS product measures the incidence of benefit plans and their provisions. This bulletin is limited to data on occupational wages and salaries.

## About the tables

The tables that follow present data on straight-time occupational earnings. Straight-time earnings include wages and salaries, incentive pay, cost-of-living adjustments, and hazard pay. These earnings exclude premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. A total of 480 detailed occupations are used to describe all occupations in the civilian nonfarm economy (excluding the Federal Government and private households).

Table A-1 presents straight-time earnings for detailed occupations. Data are not shown for any occupations if they would raise concerns about the confidentiality of the survey respondent or if the data are insufficient to support reliable estimates. The earnings shown include the mean for each occupation, as well as earnings for selected percentiles in each occupation.

Table A-2 compares the type of data and details shown in table A-1 for the private industry and State and local government sector.

Table A-3 compares the type of data and details shown in table A-1 for full-time and part-time workers. The definitions of full-time and part-time workers are those used in the surveyed establishments.

Table A-4 presents the weekly and annual straight-time earnings for full-time employees in specific occupations across all industries. For the weekly and annual earnings, the mean and median earnings and the mean hours are shown. The mean hours reflect hours employees are scheduled to work, excluding overtime hours.

Table B-1 presents mean straight-time hourly earnings for groups of occupations and for levels of job requirements related to occupations in the group. Separate data are also shown for private industry and government workers, and for full-time and part-time workers in all industries. (See appendix C, Generic Leveling Criteria, for more information on job ranking in this survey. Average work levels for published occupation groups and their component occupations are presented in appendix table 3.)

Table B-2 also presents mean straight-time hourly earnings, but for detailed occupations at several levels of job requirements for each detailed occupation.

Table C-1 presents mean straight-time hourly earnings for occupation groups and selected occupation characteristics. The occupation characteristics include full-time and part-time status, union and nonunion status, and time or incentive pay status. Union workers' wages are determined through collective bargaining. Time workers' wages are based solely on hourly rate or salary. Incentive workers' wages are at least partially based on productivity payments such as piece rates, commissions and production bonuses.

Table C-2 presents mean straight-time hourly earnings for occupation groups and industry division of employers; these are limited to the private sector.

Table C-3 presents mean straight-time hourly earnings for occupation groups and the employment size of employers; these are also limited to the private sector.

Table C-4 presents the employment scope of this survey. The occupation employment estimates shown relate to all employers in the area surveyed, not just the surveyed employers.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Austin-San Marcos, TX, October 1998**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>All occupations</b> .....	\$15.61	\$6.69	\$8.78	\$12.66	\$19.41	\$28.25
All occupations excluding sales .....	15.66	6.76	8.91	12.94	19.69	28.25
<b>White-collar occupations</b> .....	18.22	8.13	10.51	15.38	22.66	32.31
White-collar occupations excluding sales .....	18.76	8.78	11.17	16.08	23.33	32.94
Professional specialty and technical occupations .....	21.95	11.58	15.14	20.11	27.22	35.09
Professional specialty occupations .....	23.71	12.38	16.60	22.00	29.20	37.74
Engineers, architects, and surveyors .....	31.37	21.15	25.00	31.04	36.25	42.44
Electrical and electronic engineers .....	32.10	21.21	25.74	31.79	36.68	45.33
Industrial engineers .....	30.83	24.02	25.58	28.84	35.39	42.00
Engineers, N.E.C. ....	35.08	28.68	30.53	33.29	40.87	44.77
Mathematical and computer scientists .....	25.24	14.42	16.35	24.32	30.77	39.38
Computer systems analysts and scientists .....	25.75	14.42	16.30	25.21	31.28	39.90
Natural scientists .....	-	-	-	-	-	-
Health related occupations .....	19.71	15.80	17.00	19.16	21.17	25.00
Registered nurses .....	19.20	16.00	16.92	19.06	20.78	23.00
Teachers, college and university .....	26.75	16.67	20.62	26.65	31.66	38.88
Teachers, except college and university .....	20.89	11.58	17.73	20.77	25.36	27.92
Elementary school teachers .....	22.28	17.40	18.81	21.63	25.65	27.90
Secondary school teachers .....	22.73	17.11	18.90	22.38	26.34	29.14
Librarians, archivists, and curators .....	-	-	-	-	-	-
Social scientists and urban planners .....	19.25	14.35	15.11	20.50	21.96	22.66
Social, recreation, and religious workers .....	13.05	9.88	9.88	12.02	13.78	19.00
Social workers .....	13.05	9.88	9.88	11.89	13.78	19.00
Lawyers and judges .....	32.35	19.72	23.16	31.82	38.21	46.88
Lawyers .....	32.35	19.72	23.16	31.82	38.21	46.88
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	19.57	6.33	13.94	16.80	26.11	36.63
Professional occupations, N.E.C. ....	23.93	8.73	16.80	23.48	27.68	39.03
Technical occupations .....	15.94	10.40	12.15	15.14	18.95	22.76
Licensed practical nurses .....	13.08	11.00	11.89	12.72	14.42	16.12
Health technologists and technicians, N.E.C. ....	10.61	7.50	8.00	9.67	12.22	15.33
Electrical and electronic technicians .....	16.79	10.96	12.00	15.70	21.68	24.27
Engineering technicians, N.E.C. ....	19.46	13.63	15.55	19.90	22.70	23.66
Computer programmers .....	16.90	9.06	14.90	16.45	17.74	20.67
Executive, administrative, and managerial occupations ...	24.47	15.15	16.50	20.37	29.17	40.88
Executives, administrators, and managers .....	27.63	15.15	19.71	24.63	37.12	42.95
Administrators and officials, public administration	36.72	25.94	36.64	39.53	41.42	42.95
Financial managers .....	29.59	21.93	24.20	25.91	36.65	41.51
Managers, marketing, advertising and public relations .....	33.84	24.04	24.04	32.31	43.36	45.39
Administrators, education and related fields .....	30.42	10.00	15.00	29.17	43.56	55.41
Managers and administrators, N.E.C. ....	27.93	16.24	19.23	24.77	36.31	47.51
Management related occupations .....	20.55	15.14	15.80	17.92	19.99	29.33
Accountants and auditors .....	18.68	15.14	15.28	16.32	19.11	29.58
Other financial officers .....	25.00	13.05	15.80	16.89	18.68	27.40
Personnel, training, and labor relations specialists .....	23.78	11.78	15.54	22.12	28.89	36.06
Purchasing agents and buyers, N.E.C. ....	23.80	13.77	16.50	23.65	26.96	40.00
Management related occupations, N.E.C. ....	20.63	14.40	16.64	18.75	22.93	30.41
Sales occupations .....	15.20	6.50	7.81	11.16	17.76	27.14
Supervisors, sales occupations .....	20.51	10.34	10.34	20.19	23.42	40.87
Sales occupations, other business services .....	14.54	8.32	11.54	12.98	15.87	19.23
Sales representatives, mining, manufacturing, and wholesale .....	29.86	13.90	16.00	26.58	41.72	49.74
Sales workers, other commodities .....	17.68	6.60	6.85	13.90	22.00	36.56
Cashiers .....	8.12	5.90	6.44	7.79	9.25	10.85
Administrative support occupations, including clerical	11.16	7.85	8.83	10.51	12.84	14.86
Supervisors, general office .....	13.78	11.89	12.27	13.48	14.82	16.30
Supervisors, distribution, scheduling, and adjusting clerks .....	18.20	13.90	15.45	19.31	21.40	22.60
Secretaries .....	11.83	9.00	9.85	11.06	13.59	16.53
Typists .....	10.66	8.25	8.25	9.43	12.50	14.21
Receptionists .....	9.78	7.00	8.94	9.61	9.62	12.98
Information clerks, N.E.C. ....	8.89	6.97	7.45	9.21	9.70	10.94

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Austin-San Marcos, TX, October 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)						
Order clerks .....	\$10.51	\$8.27	\$9.11	\$10.34	\$11.77	\$12.76
Records clerks, N.E.C. ....	10.93	5.50	8.00	10.43	13.95	16.10
Bookkeepers, accounting and auditing clerks .....	11.12	8.00	9.26	10.96	13.12	14.25
Dispatchers .....	11.66	10.20	10.85	11.28	12.49	14.30
Traffic, shipping and receiving clerks .....	11.23	8.50	9.50	11.81	12.50	13.57
Stock and inventory clerks .....	10.44	7.85	7.85	8.50	11.97	18.55
Insurance adjusters, examiners, and investigators .....	15.39	9.17	12.02	13.68	16.48	24.86
Investigators and adjusters except insurance .....	11.51	8.50	10.00	11.00	14.38	14.38
General office clerks .....	9.59	7.85	8.00	8.85	10.51	12.50
Data entry keyers .....	9.76	8.00	8.96	9.97	10.26	12.20
Teachers' aides .....	9.51	7.33	8.38	9.94	10.47	11.37
Administrative support occupations, N.E.C. ....	9.24	6.15	8.40	8.40	9.53	14.18
<b>Blue-collar occupations</b> .....						
Precision production, craft, and repair occupations .....	11.51	6.50	8.00	10.52	13.65	18.05
Automobile mechanics .....	14.27	8.50	10.50	13.31	16.62	20.76
Plumbers, pipefitters and steamfitters .....	18.01	11.00	12.66	16.50	21.92	27.08
Supervisors, production occupations .....	15.20	10.00	10.20	15.50	19.00	20.48
Electrical and electronic equipment assemblers ..	20.48	10.00	16.56	20.58	25.28	30.29
Machine operators, assemblers, and inspectors ..	11.57	9.45	10.20	11.68	12.72	13.84
Miscellaneous machine operators, N.E.C. ....	9.52	6.50	7.07	9.20	11.15	12.96
Welders and cutters .....	10.83	7.35	9.47	10.67	12.33	13.82
Assemblers .....	9.31	7.75	8.00	9.00	10.50	10.97
Production inspectors, checkers and examiners ..	8.08	6.50	6.75	7.50	9.17	11.11
Transportation and material moving occupations .....	10.38	6.50	7.03	10.67	13.62	13.88
Truck drivers .....	10.80	5.45	6.64	10.50	12.40	19.85
Bus drivers .....	11.89	5.55	7.50	10.62	14.04	21.17
Handlers, equipment cleaners, helpers, and laborers .....	10.62	8.69	9.58	10.52	11.41	12.80
Stock handlers and baggers .....	9.01	5.65	7.17	8.15	9.78	12.58
Freight, stock, and material handlers, N.E.C. ....	7.59	5.20	5.65	7.25	8.50	10.83
Laborers except construction, N.E.C. ....	8.80	7.22	8.00	8.75	9.50	10.84
.....	7.71	6.07	6.97	7.62	8.18	9.10
<b>Service occupations</b> .....						
Protective service occupations .....	8.31	5.17	6.00	7.10	8.67	13.36
Police and detectives, public service .....	12.86	6.50	7.11	11.31	19.50	21.67
Guards and police except public service .....	19.53	13.13	17.07	20.10	21.92	23.54
Food service occupations .....	9.03	6.74	7.05	7.50	9.41	14.09
Waiters and waitresses .....	6.67	2.13	5.50	6.31	8.33	9.98
Cooks .....	4.28	2.13	2.13	2.13	6.83	8.03
Food preparation occupations, N.E.C. ....	8.94	6.15	7.98	8.89	10.19	11.23
.....	6.49	5.31	5.80	6.00	6.70	9.10

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Austin-San Marcos, TX, October 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>Service occupations (-Continued)</b>						
Health service occupations .....	\$7.73	\$5.75	\$7.00	\$7.85	\$8.50	\$8.93
Health aides, except nursing .....	7.21	5.15	5.15	6.22	8.29	13.50
Nursing aides, orderlies and attendants .....	7.95	7.00	7.43	8.00	8.50	8.93
Cleaning and building service occupations .....	6.48	5.15	5.37	6.07	7.15	8.56
Janitors and cleaners .....	6.46	5.15	5.37	6.00	7.14	8.54
Personal service occupations .....	—	—	—	—	—	—

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Austin-San Marcos, TX, October 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> .....	\$15.12	\$6.40	\$8.24	\$11.87	\$18.64	\$28.85	\$16.88	\$8.22	\$10.51	\$15.28	\$20.93	\$27.68
All occupations excluding sales .....	15.10	6.38	8.25	12.00	18.83	28.89	16.91	8.22	10.51	15.28	20.93	27.68
<b>White-collar occupations</b> .....	18.36	8.00	10.30	14.90	23.03	34.17	17.95	8.78	10.84	16.30	22.09	29.01
White-collar occupations excluding sales .....	19.27	8.59	11.39	16.00	24.45	34.80	17.98	8.78	11.06	16.30	22.12	29.04
Professional specialty and technical occupations .....	22.59	11.72	14.78	19.91	28.68	38.20	20.78	9.88	15.34	20.37	25.85	29.80
Professional specialty occupations .....	25.78	13.78	17.00	24.43	32.79	42.00	21.06	9.88	15.80	20.68	25.98	30.09
Engineers, architects, and surveyors .....	31.48	21.21	25.12	31.15	36.40	42.53	-	-	-	-	-	-
Electrical and electronic engineers .....	32.31	21.73	26.12	31.85	36.87	45.68	-	-	-	-	-	-
Industrial engineers .....	30.83	24.02	25.58	28.84	35.39	42.00	-	-	-	-	-	-
Engineers, N.E.C. ....	35.08	28.68	30.53	33.29	40.87	44.77	-	-	-	-	-	-
Mathematical and computer scientists .....	29.09	17.31	23.56	27.34	34.46	42.32	-	-	-	-	-	-
Computer systems analysts and scientists .....	30.19	21.63	24.71	28.25	35.58	43.47	-	-	-	-	-	-
Natural scientists .....	-	-	-	-	-	-	-	-	-	-	-	-
Health related occupations .....	19.79	16.00	17.13	19.16	21.39	25.00	-	-	-	-	-	-
Registered nurses .....	19.28	16.00	17.00	19.24	20.79	23.00	-	-	-	-	-	-
Teachers, college and university .....	-	-	-	-	-	-	-	-	-	-	-	-
Teachers, except college and university .....	12.20	8.88	11.58	11.58	12.58	16.88	22.27	17.13	18.88	22.15	25.87	28.24
Elementary school teachers .....	-	-	-	-	-	-	22.28	17.40	18.81	21.63	25.65	27.90
Secondary school teachers .....	-	-	-	-	-	-	22.74	17.11	18.91	22.38	26.34	29.14
Librarians, archivists, and curators .....	-	-	-	-	-	-	-	-	-	-	-	-
Social scientists and urban planners .....	-	-	-	-	-	-	19.63	14.35	14.71	21.96	21.96	22.66
Social, recreation, and religious workers .....	-	-	-	-	-	-	12.34	9.88	9.88	9.88	12.87	17.77
Social workers .....	-	-	-	-	-	-	12.34	9.88	9.88	9.88	12.87	17.78
Lawyers and judges .....	-	-	-	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	19.63	6.33	13.94	16.11	24.51	39.67	19.33	8.73	9.83	21.24	27.68	27.68
Professional occupations, N.E.C. ....	27.01	16.80	19.04	22.07	36.95	42.09	-	-	-	-	-	-
Technical occupations .....	16.07	10.53	12.15	15.43	19.25	23.00	13.87	10.02	11.43	13.89	16.21	18.77
Licensed practical nurses .....	13.02	11.00	12.00	12.72	14.00	16.12	-	-	-	-	-	-
Health technologists and technicians, N.E.C. ....	10.44	7.50	8.00	9.60	11.87	15.33	-	-	-	-	-	-
Electrical and electronic technicians .....	16.94	11.28	12.00	15.94	21.72	24.27	-	-	-	-	-	-
Engineering technicians, N.E.C. ....	20.05	13.60	18.33	19.93	23.16	23.66	-	-	-	-	-	-
Computer programmers .....	16.90	9.06	14.90	16.45	17.74	20.67	-	-	-	-	-	-
Executive, administrative, and managerial occupations .....	26.42	15.00	16.83	23.14	32.93	41.13	22.58	15.28	16.32	19.11	24.79	40.02
Executives, administrators, and managers .....	27.14	15.00	16.58	24.20	36.00	44.60	28.23	17.84	21.02	24.79	37.93	42.95
Financial managers .....	31.08	20.24	23.57	26.41	41.13	44.60	-	-	-	-	-	-
Managers, marketing, advertising and public relations .....	33.84	24.04	24.04	32.31	43.36	45.39	-	-	-	-	-	-
Administrators, education and related fields .....	-	-	-	-	-	-	40.61	26.57	29.17	36.03	55.41	55.41
Managers and administrators, N.E.C. ....	28.90	16.24	19.23	26.00	38.46	47.95	-	-	-	-	-	-
Management related occupations .....	25.26	14.76	16.84	20.29	28.91	33.69	17.11	15.28	15.80	16.89	18.55	19.11
Accountants and auditors .....	21.77	13.83	15.38	19.33	29.50	33.17	-	-	-	-	-	-
Purchasing agents and buyers, N.E.C. ....	23.67	13.77	16.50	23.65	26.96	40.00	-	-	-	-	-	-
Management related occupations, N.E.C. ....	22.49	14.40	18.43	19.41	27.43	33.69	-	-	-	-	-	-
Sales occupations .....	15.25	6.50	7.80	11.24	17.85	27.32	-	-	-	-	-	-
Supervisors, sales occupations .....	20.51	10.34	10.34	20.19	23.42	40.87	-	-	-	-	-	-
Sales occupations, other business services .....	14.54	8.32	11.54	12.98	15.87	19.23	-	-	-	-	-	-
Sales representatives, mining, manufacturing, and wholesale .....	29.86	13.90	16.00	26.58	41.72	49.74	-	-	-	-	-	-
Sales workers, other commodities .....	17.68	6.60	6.85	13.90	22.00	36.56	-	-	-	-	-	-
Cashiers .....	8.06	5.90	6.37	7.57	8.92	11.00	-	-	-	-	-	-
Administrative support occupations, including clerical .....	11.38	7.85	8.83	10.45	13.31	15.75	10.80	7.85	8.78	10.51	11.89	13.92
Secretaries .....	12.05	8.88	10.00	11.00	13.97	17.45	11.24	9.25	9.79	11.70	11.70	15.17
Typists .....	10.66	8.25	8.25	9.43	12.50	14.21	-	-	-	-	-	-

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, Austin-San Marcos, TX, October 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</b> (-Continued)													
Administrative support occupations, including clerical (-Continued)													
Receptionists .....	\$9.89	\$7.00	\$9.61	\$9.61	\$9.62	\$12.98	—	—	—	—	—	—	—
Order clerks .....	10.51	8.27	9.11	10.34	11.77	12.76	—	—	—	—	—	—	—
Records clerks, N.E.C. ....	11.06	5.50	8.00	10.61	13.95	16.26	—	—	—	—	—	—	—
Bookkeepers, accounting and auditing clerks .....	11.55	8.00	9.25	11.39	13.46	14.60	—	—	—	—	—	—	—
Traffic, shipping and receiving clerks	11.23	8.50	9.50	11.81	12.50	13.57	—	—	—	—	—	—	—
Stock and inventory clerks .....	10.44	7.85	7.85	8.50	11.97	18.55	—	—	—	—	—	—	—
Insurance adjusters, examiners, and investigators .....	15.35	9.17	11.95	13.68	16.48	24.93	—	—	—	—	—	—	—
Investigators and adjusters except insurance .....	11.69	8.50	10.21	11.23	14.38	14.38	—	—	—	—	—	—	—
General office clerks .....	9.94	6.89	8.00	8.61	12.46	14.50	\$9.41	\$7.85	\$8.07	\$9.01	\$10.51	\$11.17	—
Data entry keyers .....	9.75	8.00	8.96	9.95	10.26	12.20	—	—	—	—	—	—	—
Teachers' aides .....	—	—	—	—	—	—	9.51	7.33	8.38	9.94	10.47	11.37	—
Administrative support occupations, N.E.C. ....	9.93	8.40	8.40	9.09	11.11	15.08	—	—	—	—	—	—	—
<b>Blue-collar occupations</b> .....	11.41	6.50	7.86	10.28	13.31	19.00	12.35	7.45	10.13	13.07	14.15	15.80	—
Precision production, craft, and repair occupations .....	14.36	8.50	10.00	12.79	17.59	21.79	13.89	11.37	13.07	13.70	14.75	16.79	—
Automobile mechanics .....	18.30	11.00	13.79	16.70	21.92	27.08	—	—	—	—	—	—	—
Plumbers, pipefitters and steamfitters	15.88	10.00	12.50	16.00	19.00	20.48	—	—	—	—	—	—	—
Supervisors, production occupations ..	20.48	10.00	16.56	20.58	25.28	30.29	—	—	—	—	—	—	—
Electrical and electronic equipment assemblers .....	11.57	9.45	10.20	11.68	12.72	13.84	—	—	—	—	—	—	—
Machine operators, assemblers, and inspectors .....	9.54	6.50	7.10	9.20	11.18	12.99	—	—	—	—	—	—	—
Miscellaneous machine operators, N.E.C. ....	10.83	7.35	9.47	10.67	12.33	13.82	—	—	—	—	—	—	—
Welders and cutters .....	9.31	7.75	8.00	9.00	10.50	10.97	—	—	—	—	—	—	—
Assemblers .....	8.08	6.50	6.75	7.50	9.17	11.11	—	—	—	—	—	—	—
Production inspectors, checkers and examiners .....	10.38	6.50	7.03	10.67	13.62	13.88	—	—	—	—	—	—	—
Transportation and material moving occupations .....	10.86	5.45	6.50	10.50	12.40	21.17	10.31	7.61	9.35	9.97	11.41	12.80	—
Truck drivers .....	11.89	5.55	7.50	10.62	14.04	21.17	—	—	—	—	—	—	—
Bus drivers .....	—	—	—	—	—	—	10.62	8.69	9.58	10.52	11.41	12.80	—
Handlers, equipment cleaners, helpers, and laborers .....	9.13	5.65	7.22	8.25	9.90	13.45	—	—	—	—	—	—	—
Stock handlers and baggers .....	7.59	5.20	5.65	7.25	8.50	10.83	—	—	—	—	—	—	—
Freight, stock, and material handlers, N.E.C. ....	8.80	7.22	8.00	8.75	9.50	10.84	—	—	—	—	—	—	—
Laborers except construction, N.E.C. ....	7.71	6.07	7.58	7.58	8.00	9.10	—	—	—	—	—	—	—
<b>Service occupations</b> .....	6.87	5.15	5.75	6.50	7.80	8.88	12.50	6.74	7.61	10.71	17.34	21.62	—
Protective service occupations .....	8.04	6.25	6.76	7.11	7.64	9.41	16.92	10.52	13.13	17.44	21.14	22.77	—
Police and detectives, public service ..	—	—	—	—	—	—	19.53	13.13	17.07	20.10	21.92	23.54	—
Guards and police except public service .....	9.08	6.76	7.05	7.50	8.56	20.00	—	—	—	—	—	—	—
Food service occupations .....	6.34	2.13	5.31	6.15	7.98	9.49	8.63	6.00	6.33	9.10	10.55	11.76	—
Waiters and waitresses .....	4.28	2.13	2.13	2.13	6.83	8.03	—	—	—	—	—	—	—

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, Austin-San Marcos, TX, October 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>													
Health service occupations .....	\$7.74	\$5.15	\$7.00	\$8.00	\$8.50	\$9.00	—	—	—	—	—	—	—
Health aides, except nursing .....	7.04	5.15	5.15	5.75	7.86	13.50	—	—	—	—	—	—	—
Nursing aides, orderlies and attendants .....	8.03	7.00	7.50	8.03	8.50	9.00	—	—	—	—	—	—	—
Cleaning and building service occupations .....	6.24	5.15	5.30	6.00	6.71	7.90	\$7.64	\$6.07	\$6.90	\$7.50	\$8.26	\$9.17	
Janitors and cleaners .....	6.19	5.15	5.20	6.00	6.70	7.88	7.64	6.07	6.90	7.50	8.26	9.17	
Personal service occupations .....	—	—	—	—	—	—	—	—	—	—	—	—	—

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Austin-San Marcos, TX, October 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> .....	\$16.40	\$7.45	\$9.54	\$13.48	\$20.20	\$29.17	\$9.28	\$5.20	\$6.00	\$7.20	\$9.98	\$16.67
All occupations excluding sales .....	16.33	7.50	9.54	13.60	20.27	29.17	9.55	5.15	5.75	7.10	10.00	17.87
<b>White-collar occupations</b> .....	18.91	8.80	11.28	16.05	23.57	33.45	11.26	6.17	6.95	8.93	13.20	21.02
White-collar occupations excluding sales .....	19.19	9.16	11.72	16.32	24.00	33.52	12.95	6.33	8.09	9.60	16.67	23.16
Professional specialty and technical occupations .....	22.45	12.00	15.50	20.50	27.68	35.48	16.65	6.33	9.74	16.00	21.85	27.87
Professional specialty occupations .....	24.44	13.94	17.13	22.63	29.78	38.46	16.95	6.33	8.73	16.00	22.60	28.48
Engineers, architects, and surveyors .....	31.37	21.15	25.00	31.04	36.25	42.44	-	-	-	-	-	-
Electrical and electronic engineers .....	32.10	21.21	25.74	31.79	36.68	45.33	-	-	-	-	-	-
Industrial engineers .....	30.83	24.02	25.58	28.84	35.39	42.00	-	-	-	-	-	-
Engineers, N.E.C. ....	35.08	28.68	30.53	33.29	40.87	44.77	-	-	-	-	-	-
Mathematical and computer scientists .....	25.24	14.42	16.35	24.32	30.77	39.38	-	-	-	-	-	-
Computer systems analysts and scientists .....	25.75	14.42	16.30	25.21	31.28	39.90	-	-	-	-	-	-
Natural scientists .....	-	-	-	-	-	-	-	-	-	-	-	-
Health related occupations .....	20.04	16.50	17.65	19.39	21.45	25.23	-	-	-	-	-	-
Registered nurses .....	19.53	15.87	17.00	19.24	20.78	23.03	-	-	-	-	-	-
Teachers, college and university .....	28.41	17.35	24.42	27.78	34.02	39.85	-	-	-	-	-	-
Teachers, except college and university .....	21.17	12.28	17.93	20.82	25.42	28.05	15.43	7.49	7.75	13.78	22.60	25.38
Elementary school teachers .....	22.28	17.40	18.81	21.63	25.65	27.90	-	-	-	-	-	-
Secondary school teachers .....	22.74	17.11	18.91	22.38	26.34	29.14	-	-	-	-	-	-
Librarians, archivists, and curators .....	-	-	-	-	-	-	-	-	-	-	-	-
Social scientists and urban planners .....	18.64	14.35	14.71	20.50	21.96	22.40	-	-	-	-	-	-
Social, recreation, and religious workers .....	13.07	9.88	9.88	11.89	13.78	19.00	-	-	-	-	-	-
Social workers .....	13.07	9.88	9.88	11.89	13.78	19.00	-	-	-	-	-	-
Lawyers and judges .....	37.82	19.91	31.82	34.19	45.11	46.88	-	-	-	-	-	-
Lawyers .....	37.82	19.91	31.82	34.19	45.11	46.88	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	22.89	14.42	15.43	19.71	27.68	39.67	-	-	-	-	-	-
Professional occupations, N.E.C. ....	26.56	16.80	20.20	27.68	27.68	40.13	-	-	-	-	-	-
Technical occupations .....	16.01	10.72	12.25	15.33	19.23	22.84	14.41	9.95	10.32	11.00	17.00	17.00
Licensed practical nurses .....	13.18	11.50	12.15	12.87	14.42	15.86	-	-	-	-	-	-
Health technologists and technicians, N.E.C. ....	10.48	7.50	8.00	9.60	11.87	15.33	-	-	-	-	-	-
Electrical and electronic technicians .....	16.85	11.10	12.00	15.76	21.70	24.27	-	-	-	-	-	-
Engineering technicians, N.E.C. ....	19.46	13.63	15.55	19.90	22.70	23.66	-	-	-	-	-	-
Executive, administrative, and managerial occupations .....	24.50	15.15	16.50	20.37	29.27	41.00	-	-	-	-	-	-
Executives, administrators, and managers .....	27.63	15.15	19.71	24.63	37.12	42.95	-	-	-	-	-	-
Administrators and officials, public administration .....	36.72	25.94	36.64	39.53	41.42	42.95	-	-	-	-	-	-
Financial managers .....	29.59	21.93	24.20	25.91	36.65	41.51	-	-	-	-	-	-
Managers, marketing, advertising and public relations .....	33.84	24.04	24.04	32.31	43.36	45.39	-	-	-	-	-	-
Administrators, education and related fields .....	30.42	10.00	15.00	29.17	43.56	55.41	-	-	-	-	-	-
Managers and administrators, N.E.C. ....	27.93	16.24	19.23	24.77	36.31	47.51	-	-	-	-	-	-
Management related occupations .....	20.59	15.28	15.80	17.94	20.00	29.33	-	-	-	-	-	-
Accountants and auditors .....	18.68	15.14	15.28	16.32	19.11	29.58	-	-	-	-	-	-
Other financial officers .....	25.00	13.05	15.80	16.89	18.68	27.40	-	-	-	-	-	-
Personnel, training, and labor relations specialists .....	23.78	11.78	15.54	22.12	28.89	36.06	-	-	-	-	-	-
Purchasing agents and buyers, N.E.C. ....	23.80	13.77	16.50	23.65	26.96	40.00	-	-	-	-	-	-
Management related occupations, N.E.C. ....	21.12	14.95	17.38	19.41	22.93	33.20	-	-	-	-	-	-
Sales occupations .....	17.04	6.75	9.50	12.68	20.19	31.30	8.11	5.90	6.39	7.25	9.46	11.56
Supervisors, sales occupations .....	20.51	10.34	10.34	20.19	23.42	40.87	-	-	-	-	-	-
Sales representatives, mining, manufacturing, and wholesale .....	29.86	13.90	16.00	26.58	41.72	49.74	-	-	-	-	-	-
Sales workers, other commodities .....	-	-	-	-	-	-	7.49	6.00	6.30	6.71	7.88	9.38

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, Austin-San Marcos, TX, October 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>												
Sales occupations (-Continued)												
Cashiers .....	\$8.85	\$6.25	\$7.00	\$8.69	\$10.62	\$11.29	\$6.97	\$5.63	\$5.90	\$7.09	\$7.72	\$8.33
Administrative support occupations, including												
clerical .....	11.43	8.00	9.06	10.72	13.07	15.26	8.47	6.00	7.50	8.50	9.60	10.00
Supervisors, general office .....	13.78	11.89	12.27	13.48	14.82	16.30	-	-	-	-	-	-
Supervisors, distribution, scheduling, and adjusting clerks .....	18.20	13.90	15.45	19.31	21.40	22.60	-	-	-	-	-	-
Secretaries .....	11.94	9.08	10.00	11.22	13.79	16.53	-	-	-	-	-	-
Typists .....	10.66	8.25	8.25	9.43	12.50	14.21	-	-	-	-	-	-
Receptionists .....	9.82	7.00	9.61	9.61	9.62	12.98	-	-	-	-	-	-
Information clerks, N.E.C. ....	8.93	6.97	7.45	9.43	9.98	11.04	-	-	-	-	-	-
Order clerks .....	10.73	9.00	9.37	10.34	11.87	12.80	-	-	-	-	-	-
Records clerks, N.E.C. ....	11.77	8.00	8.59	11.44	14.19	16.32	-	-	-	-	-	-
Bookkeepers, accounting and auditing clerks .....	11.12	8.00	9.26	10.96	13.12	14.25	-	-	-	-	-	-
Dispatchers .....	11.66	10.20	10.85	11.28	12.49	14.30	-	-	-	-	-	-
Stock and inventory clerks .....	10.56	7.85	7.85	8.50	11.98	18.55	-	-	-	-	-	-
Insurance adjusters, examiners, and investigators .....	15.39	9.17	12.02	13.68	16.48	24.86	-	-	-	-	-	-
Investigators and adjusters except insurance .....	11.51	8.50	10.00	11.00	14.38	14.38	-	-	-	-	-	-
General office clerks .....	9.72	7.85	8.00	9.06	10.84	12.58	8.14	6.74	8.19	8.50	8.50	8.50
Data entry keyers .....	10.06	8.96	9.09	10.02	10.40	12.20	-	-	-	-	-	-
Teachers' aides .....	9.51	7.33	8.38	9.94	10.47	11.37	-	-	-	-	-	-
Administrative support occupations, N.E.C. ....	9.89	8.40	8.40	8.40	9.53	15.93	-	-	-	-	-	-
<b>Blue-collar occupations</b> .....	11.76	6.85	8.25	10.67	13.82	18.85	7.76	5.20	5.65	6.08	8.99	12.40
Precision production, craft, and repair occupations .....	14.30	8.50	10.54	13.31	16.66	20.78	-	-	-	-	-	-
Automobile mechanics .....	18.01	11.00	12.66	16.50	21.92	27.08	-	-	-	-	-	-
Plumbers, pipefitters and steamfitters .....	15.20	10.00	10.20	15.50	19.00	20.48	-	-	-	-	-	-
Supervisors, production occupations ..	20.48	10.00	16.56	20.58	25.28	30.29	-	-	-	-	-	-
Electrical and electronic equipment assemblers .....	11.57	9.45	10.20	11.68	12.72	13.84	-	-	-	-	-	-
Machine operators, assemblers, and inspectors .....	9.52	6.50	7.07	9.20	11.15	12.96	-	-	-	-	-	-
Miscellaneous machine operators, N.E.C. ....	10.83	7.35	9.47	10.67	12.33	13.82	-	-	-	-	-	-
Welders and cutters .....	9.31	7.75	8.00	9.00	10.50	10.97	-	-	-	-	-	-
Assemblers .....	8.08	6.50	6.75	7.50	9.19	11.11	-	-	-	-	-	-
Production inspectors, checkers and examiners .....	10.38	6.50	7.03	10.67	13.62	13.88	-	-	-	-	-	-
Transportation and material moving occupations .....	11.09	5.25	7.50	10.50	12.47	21.17	9.45	5.45	5.55	8.74	12.40	13.95
Truck drivers .....	12.76	6.50	8.75	10.62	16.02	21.17	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers .....	9.60	6.79	7.50	8.50	10.16	13.71	6.59	5.15	5.65	6.00	7.67	8.75
Stock handlers and baggers .....	8.75	7.00	7.50	8.05	9.90	11.46	5.73	5.15	5.20	5.65	6.00	6.50
Freight, stock, and material handlers, N.E.C. ....	8.77	7.22	7.74	8.75	9.53	10.84	-	-	-	-	-	-
<b>Service occupations</b> .....	9.08	6.00	6.50	7.64	9.30	16.59	6.57	5.15	5.17	6.00	6.75	8.79
Protective service occupations .....	13.06	6.75	7.25	12.17	19.50	22.29	11.14	6.08	6.72	7.28	20.00	20.00
Police and detectives, public service ..	19.53	13.13	17.07	20.73	21.92	23.54	-	-	-	-	-	-
Food service occupations .....	6.79	2.13	5.74	6.50	8.56	9.98	6.47	2.75	5.12	6.15	8.03	10.35
Health service occupations .....	7.99	7.00	7.50	8.00	8.50	8.84	7.07	5.15	5.15	5.75	7.57	13.50
Nursing aides, orderlies and attendants .....	8.02	7.08	7.50	8.00	8.50	8.89	-	-	-	-	-	-
Cleaning and building service occupations .....	7.02	5.87	6.00	6.70	7.64	8.97	-	-	-	-	-	-
Janitors and cleaners .....	7.04	5.81	6.00	6.71	7.71	9.00	-	-	-	-	-	-

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, Austin-San Marcos, TX, October 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>Service occupations (-Continued)</b>												
Personal service occupations .....	\$9.66	\$7.50	\$8.49	\$9.21	\$10.81	\$12.00	—	—	—	—	—	—

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Austin-San Marcos, TX, October 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> .....	40.1	\$657	\$539	2,020	\$33,125	\$27,768
All occupations excluding sales .....	40.1	655	543	2,016	32,928	27,997
<b>White-collar occupations</b> .....	40.0	756	634	1,995	37,717	31,782
White-collar occupations excluding sales .....	40.0	768	652	1,985	38,098	32,510
Professional specialty and technical occupations .....	40.2	901	817	1,931	43,341	37,513
Professional specialty occupations .....	40.2	982	896	1,893	46,258	39,640
Engineers, architects, and surveyors .....	41.5	1,303	1,265	2,159	67,732	65,770
Electrical and electronic engineers .....	41.3	1,325	1,301	2,147	68,912	67,626
Industrial engineers .....	44.4	1,369	1,123	2,308	71,165	58,395
Engineers, N.E.C. ....	40.0	1,403	1,332	2,080	72,960	69,247
Mathematical and computer scientists .....	40.0	1,009	973	2,080	52,490	50,577
Computer systems analysts and scientists .....	40.0	1,030	1,008	2,080	53,556	52,432
Natural scientists .....	-	-	-	-	-	-
Health related occupations .....	39.6	794	776	2,061	41,291	40,331
Registered nurses .....	39.4	770	770	2,050	40,030	40,019
Teachers, college and university .....	38.5	1,094	1,033	1,551	44,070	40,295
Teachers, except college and university .....	39.8	843	832	1,534	32,478	31,797
Elementary school teachers .....	39.7	885	864	1,480	32,976	32,299
Secondary school teachers .....	39.9	907	895	1,488	33,833	33,301
Librarians, archivists, and curators .....	-	-	-	-	-	-
Social scientists and urban planners .....	40.0	746	820	2,005	37,370	34,019
Social, recreation, and religious workers .....	40.0	523	476	2,066	26,996	24,731
Social workers .....	40.0	523	476	2,066	26,996	24,731
Lawyers and judges .....	39.8	1,507	1,339	2,071	78,339	69,648
Lawyers .....	39.8	1,507	1,339	2,071	78,339	69,648
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	40.0	916	788	2,047	46,859	39,993
Professional occupations, N.E.C. ....	40.0	1,062	1,107	2,080	55,239	57,574
Technical occupations .....	40.1	642	613	2,065	33,065	31,554
Licensed practical nurses .....	39.3	518	509	2,045	26,960	26,458
Health technologists and technicians, N.E.C. ....	40.6	426	384	2,112	22,134	19,968
Electrical and electronic technicians .....	40.4	680	628	2,099	35,377	32,656
Engineering technicians, N.E.C. ....	40.0	778	796	1,694	32,971	39,520
Executive, administrative, and managerial occupations ...	40.1	983	822	2,003	49,081	42,307
Executives, administrators, and managers .....	40.2	1,110	987	1,945	53,745	49,754
Administrators and officials, public administration	40.0	1,469	1,581	2,080	76,371	82,222
Financial managers .....	40.0	1,183	1,036	2,080	61,539	53,893
Managers, marketing, advertising and public relations .....	40.0	1,353	1,292	2,080	70,379	67,205
Administrators, education and related fields .....	40.1	1,221	1,163	1,937	58,916	49,202
Managers and administrators, N.E.C. ....	40.6	1,135	1,006	2,113	59,019	52,291
Management related occupations .....	40.0	824	718	2,081	42,840	37,315
Accountants and auditors .....	40.0	747	653	2,080	38,846	33,946
Other financial officers .....	40.0	1,000	676	2,080	51,992	35,131
Personnel, training, and labor relations specialists .....	40.0	951	885	2,064	49,081	46,010
Purchasing agents and buyers, N.E.C. ....	40.0	952	946	2,080	49,502	49,192
Management related occupations, N.E.C. ....	40.8	863	767	2,124	44,852	39,874
Sales occupations .....	39.6	676	500	2,062	35,138	26,000
Supervisors, sales occupations .....	40.7	834	808	2,116	43,383	41,995
Sales representatives, mining, manufacturing, and wholesale .....	40.5	1,210	1,063	2,106	62,900	55,294
Cashiers .....	32.5	288	261	1,692	14,984	13,556
Administrative support occupations, including clerical .....	39.9	456	426	2,046	23,385	22,006
Supervisors, general office .....	40.0	551	539	2,078	28,628	28,038
Supervisors, distribution, scheduling, and adjusting clerks .....	40.0	728	772	2,080	37,864	40,165
Secretaries .....	40.0	477	449	2,068	24,692	23,336
Typists .....	39.3	419	365	2,045	21,801	19,001
Receptionists .....	40.0	393	384	2,080	20,432	19,989
Information clerks, N.E.C. ....	39.7	355	365	2,063	18,435	19,001
Order clerks .....	40.0	429	414	2,080	22,312	21,510
Records clerks, N.E.C. ....	39.5	465	455	1,989	23,403	23,049
Bookkeepers, accounting and auditing clerks .....	39.9	443	425	2,073	23,048	22,090
Dispatchers .....	40.0	467	451	2,053	23,940	23,457

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, Austin-San Marcos, TX, October 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)						
Stock and inventory clerks .....	40.0	\$423	\$340	2,080	\$21,974	\$17,680
Insurance adjusters, examiners, and investigators .....	39.3	605	539	2,042	31,441	28,052
Investigators and adjusters except insurance .....	40.0	461	440	2,080	23,948	22,880
General office clerks .....	40.0	389	362	2,079	20,203	18,845
Data entry keyers .....	39.8	400	401	2,070	20,822	20,840
Teachers' aides .....	39.5	376	397	1,549	14,732	15,499
Administrative support occupations, N.E.C. ....	38.5	381	315	1,972	19,499	16,380
<b>Blue-collar occupations</b> .....						
Precision production, craft, and repair occupations .....	40.3	474	427	2,088	24,566	22,152
Automobile mechanics .....	40.7	582	539	2,114	30,244	28,038
Plumbers, pipefitters and steamfitters .....	44.0	793	680	2,290	41,237	35,360
Supervisors, production occupations .....	40.0	608	620	2,080	31,624	32,240
Electrical and electronic equipment assemblers ..	41.5	849	926	2,156	44,145	48,152
Machine operators, assemblers, and inspectors .....	40.0	463	467	2,080	24,064	24,294
Miscellaneous machine operators, N.E.C. ....	40.0	381	368	2,080	19,799	19,144
Welders and cutters .....	40.0	433	427	2,080	22,520	22,194
Assemblers .....	40.0	372	360	2,080	19,367	18,720
Production inspectors, checkers and examiners ..	40.0	323	300	2,080	16,808	15,600
Transportation and material moving occupations .....	40.0	415	427	2,080	21,590	22,194
Truck drivers .....	40.1	445	420	2,042	22,655	21,141
Handlers, equipment cleaners, helpers, and laborers .....	40.0	510	425	2,080	26,537	22,093
Stock handlers and baggers .....	39.8	382	332	2,070	19,878	17,238
Freight, stock, and material handlers, N.E.C. ....	39.4	344	322	2,046	17,900	16,744
	39.4	345	340	2,047	17,950	17,680
<b>Service occupations</b> .....						
Protective service occupations .....	40.0	363	301	2,050	18,603	15,600
Police and detectives, public service .....	42.8	559	465	2,223	29,043	24,190
Food service occupations .....	40.1	782	829	2,083	40,676	43,114
Health service occupations .....	37.4	254	253	1,895	12,861	13,076
Nursing aides, orderlies and attendants .....	39.1	312	314	2,033	16,239	16,328
Cleaning and building service occupations .....	39.3	315	317	2,042	16,379	16,494
Janitors and cleaners .....	39.9	280	268	2,047	14,383	13,811
Personal service occupations .....	39.9	281	268	2,044	14,400	13,890
	40.0	387	369	1,841	17,789	18,158

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**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, Austin-San Marcos, TX, October 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> .....	\$15.61	\$15.12	\$16.88	\$16.40	\$9.28
All occupations excluding sales .....	15.66	15.10	16.91	16.33	9.55
<b>White-collar occupations</b> .....	18.22	18.36	17.95	18.91	11.26
Level 1 .....	7.05	7.05	—	7.46	6.61
Level 2 .....	8.59	8.86	7.18	8.93	7.51
Level 3 .....	10.65	11.27	8.69	10.78	9.68
Level 4 .....	10.71	10.92	10.10	10.94	9.35
Level 5 .....	13.00	14.20	11.01	13.10	10.65
Level 6 .....	15.27	15.28	15.26	15.29	—
Level 7 .....	17.64	17.75	17.51	17.66	—
Level 8 .....	20.46	20.90	19.97	20.53	—
Level 9 .....	22.97	23.77	21.95	22.81	24.48
Level 10 .....	24.97	25.55	23.86	24.97	—
Level 11 .....	31.93	33.60	26.33	31.93	—
Level 12 .....	36.07	36.92	33.15	36.07	—
Level 13 .....	43.30	43.43	—	43.30	—
Not able to be leveled .....	26.81	23.68	29.59	30.86	10.63
White-collar occupations excluding sales .....	18.76	19.27	17.98	19.19	12.95
Level 2 .....	8.48	8.78	7.18	8.80	7.41
Level 3 .....	9.34	9.64	8.69	9.40	8.57
Level 4 .....	10.84	11.15	10.11	11.02	9.66
Level 5 .....	12.79	14.09	11.01	12.87	10.80
Level 6 .....	15.28	15.30	15.26	15.30	—
Level 7 .....	17.31	17.14	17.51	17.32	—
Level 8 .....	20.25	20.56	19.97	20.31	—
Level 9 .....	21.70	21.48	21.95	21.37	24.48
Level 10 .....	24.97	25.55	23.86	24.97	—
Level 11 .....	30.67	32.11	26.33	30.67	—
Level 12 .....	35.97	36.81	33.15	35.97	—
Level 13 .....	43.30	43.43	—	43.30	—
Not able to be leveled .....	26.81	23.68	29.59	30.86	10.63
Professional specialty and technical occupations .....	21.95	22.59	20.78	22.45	16.65
Professional specialty occupations .....	23.71	25.78	21.06	24.44	16.95
Level 5 .....	10.52	—	—	—	—
Level 6 .....	15.73	13.62	17.03	16.04	—
Level 7 .....	18.84	17.51	20.33	18.90	—
Level 8 .....	21.67	20.77	22.42	21.94	—
Level 9 .....	23.09	22.30	23.69	22.54	24.48
Level 10 .....	26.58	27.92	23.61	26.58	—
Level 11 .....	31.06	32.90	25.25	31.06	—
Level 12 .....	36.70	36.83	—	36.70	—
Level 13 .....	43.28	43.28	—	43.28	—
Not able to be leveled .....	18.19	17.32	20.38	22.78	10.41
Engineers, architects, and surveyors .....	31.37	31.48	—	31.37	—
Level 9 .....	23.73	23.73	—	23.73	—
Level 10 .....	28.05	—	—	28.05	—
Level 11 .....	32.99	32.99	—	32.99	—
Level 12 .....	37.51	37.51	—	37.51	—
Mathematical and computer scientists .....	25.24	29.09	—	25.24	—
Level 11 .....	26.33	27.10	—	26.33	—
Level 12 .....	32.54	32.54	—	32.54	—
Natural scientists .....	—	—	—	—	—
Health related occupations .....	19.71	19.79	—	20.04	—
Level 8 .....	19.54	19.52	—	20.20	—
Level 9 .....	20.09	20.09	—	—	—
Teachers, college and university .....	26.75	—	—	28.41	—
Level 11 .....	29.52	—	—	29.52	—
Teachers, except college and university .....	20.89	12.20	22.27	21.17	15.43
Level 6 .....	17.95	—	21.34	19.55	—
Level 7 .....	19.33	—	21.88	19.34	—
Level 8 .....	22.76	—	22.76	22.76	—
Level 9 .....	23.25	—	23.25	—	—
Librarians, archivists, and curators .....	—	—	—	—	—

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, Austin-San Marcos, TX, October 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>					
Social scientists and urban planners .....	\$19.25	—	\$19.63	\$18.64	—
Social, religious, and recreation workers .....	13.05	—	12.34	13.07	—
Level 6 .....	12.84	—	—	12.84	—
Lawyers and judges .....	32.35	—	—	37.82	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	19.57	\$19.63	19.33	22.89	—
Level 8 .....	22.20	22.20	—	22.20	—
Not able to be leveled .....	15.29	—	—	—	—
Technical occupations .....	15.94	16.07	13.87	16.01	\$14.41
Level 4 .....	12.04	12.08	—	12.07	—
Level 5 .....	13.47	13.50	—	13.86	—
Level 6 .....	17.88	18.05	—	17.29	—
Level 7 .....	18.12	18.21	—	18.17	—
Level 8 .....	19.39	20.08	—	19.39	—
Level 9 .....	20.78	20.78	—	20.78	—
Executive, administrative, and managerial occupations ...	24.47	26.42	22.58	24.50	—
Level 5 .....	13.79	—	—	13.79	—
Level 7 .....	16.33	14.73	17.31	16.33	—
Level 8 .....	17.72	19.62	—	17.72	—
Level 9 .....	20.93	21.37	20.54	20.93	—
Level 10 .....	22.76	21.40	—	22.76	—
Level 11 .....	29.81	30.30	—	29.81	—
Level 12 .....	35.02	36.77	—	35.02	—
Level 13 .....	43.33	43.81	—	43.33	—
Not able to be leveled .....	37.56	62.10	—	38.13	—
Executives, administrators, and managers .....	27.63	27.14	28.23	27.63	—
Level 7 .....	13.76	—	—	13.76	—
Level 8 .....	19.76	19.76	—	19.76	—
Level 9 .....	22.11	22.58	21.73	22.11	—
Level 10 .....	22.76	21.40	—	22.76	—
Level 11 .....	29.85	30.83	—	29.85	—
Level 12 .....	36.55	—	—	36.55	—
Level 13 .....	43.44	43.94	—	43.44	—
Not able to be leveled .....	34.09	—	—	34.09	—
Management related occupations .....	20.55	25.26	17.11	20.59	—
Level 7 .....	17.12	—	17.21	17.12	—
Level 8 .....	16.47	—	—	16.47	—
Level 9 .....	19.72	20.25	19.22	19.72	—
Level 11 .....	29.73	29.73	—	29.73	—
Sales occupations .....	15.20	15.25	—	17.04	8.11
Level 1 .....	7.06	7.06	—	7.41	6.71
Level 3 .....	14.19	14.26	—	15.32	—
Level 4 .....	10.08	10.09	—	10.48	8.23
Level 5 .....	14.73	14.73	—	15.25	—
Level 6 .....	15.25	15.25	—	15.25	—
Level 8 .....	22.27	22.29	—	22.27	—
Level 9 .....	37.92	—	—	37.92	—
Administrative support occupations, including clerical ....	11.16	11.38	10.80	11.43	8.47
Level 2 .....	8.38	8.66	7.15	8.68	7.39
Level 3 .....	9.36	9.66	8.73	9.43	8.57
Level 4 .....	10.50	10.78	9.99	10.68	9.57
Level 5 .....	13.09	14.34	11.51	13.09	—
Level 6 .....	13.65	14.70	13.03	13.65	—
Level 7 .....	15.34	16.71	14.27	15.34	—
<b>Blue-collar occupations</b> .....	11.51	11.41	12.35	11.76	7.76
Level 1 .....	7.45	7.45	—	7.93	6.17
Level 2 .....	8.59	8.64	7.86	8.58	8.80
Level 3 .....	9.79	9.71	11.00	9.69	—
Level 4 .....	13.54	13.73	10.38	13.55	—
Level 5 .....	14.06	13.79	—	14.00	—
Level 6 .....	13.87	13.98	—	13.87	—
Level 7 .....	18.49	18.93	—	18.49	—

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, Austin-San Marcos, TX, October 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)					
Precision production, craft, and repair occupations .....	\$14.27	\$14.36	\$13.89	\$14.30	—
Level 2 .....	7.67	—	—	7.67	—
Level 3 .....	9.95	9.86	—	9.95	—
Level 4 .....	14.71	14.95	—	14.71	—
Level 5 .....	13.34	12.65	—	13.34	—
Level 6 .....	13.90	14.11	—	13.90	—
Level 7 .....	17.87	18.26	—	17.87	—
Machine operators, assemblers, and inspectors .....	9.52	9.54	—	9.52	—
Level 2 .....	8.22	8.24	—	8.22	—
Level 3 .....	9.29	9.29	—	9.29	—
Level 4 .....	11.26	11.26	—	11.26	—
Level 5 .....	12.68	12.68	—	12.68	—
Transportation and material moving occupations .....	10.80	10.86	10.31	11.09	\$9.45
Level 2 .....	11.36	—	—	—	—
Level 3 .....	10.38	10.25	—	9.89	—
Level 4 .....	12.54	12.97	—	12.64	—
Handlers, equipment cleaners, helpers, and laborers .....	9.01	9.13	—	9.60	6.59
Level 1 .....	7.90	7.90	—	8.62	6.09
Level 2 .....	8.74	8.89	—	8.73	—
Level 3 .....	9.86	9.86	—	10.06	—
<b>Service occupations</b> .....					
Level 1 .....	8.31	6.87	12.50	9.08	6.57
Level 2 .....	6.32	6.19	7.24	6.48	6.04
Level 3 .....	6.92	6.68	7.93	8.04	5.57
Level 4 .....	7.74	7.71	—	7.75	—
Level 4 .....	9.83	9.59	10.24	8.87	—
Protective service occupations .....	12.86	8.04	16.92	13.06	11.14
Food service occupations .....	6.67	6.34	8.63	6.79	6.47
Level 1 .....	6.18	6.00	7.32	6.02	6.50
Health service occupations .....	7.73	7.74	—	7.99	7.07
Level 2 .....	7.83	7.88	—	—	—
Level 3 .....	8.20	8.20	—	—	—
Cleaning and building service occupations .....	6.48	6.24	7.64	7.02	—
Level 1 .....	6.43	6.25	7.32	6.59	—
Level 2 .....	—	—	7.90	8.15	—
Personal service occupations .....	—	—	—	9.66	—

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**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, Austin-San Marcos, TX, October 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:					
Electrical and electronic engineers .....	\$32.10	\$32.31	—	\$32.10	—
Level 11 .....	33.27	33.27	—	33.27	—
Industrial engineers .....	30.83	30.83	—	30.83	—
Engineers, N.E.C. ....	35.08	35.08	—	35.08	—
Computer systems analysts and scientists .....	25.75	30.19	—	25.75	—
Level 11 .....	26.33	27.10	—	26.33	—
Level 12 .....	32.54	32.54	—	32.54	—
Registered nurses .....	19.20	19.28	—	19.53	—
Level 8 .....	19.36	19.34	—	20.07	—
Elementary school teachers .....	22.28	—	\$22.28	22.28	—
Level 7 .....	21.71	—	21.71	21.71	—
Level 8 .....	22.50	—	22.50	22.50	—
Secondary school teachers .....	22.73	—	22.74	22.74	—
Level 7 .....	22.10	—	—	—	—
Level 8 .....	23.17	—	23.17	23.17	—
Social workers .....	13.05	—	12.34	13.07	—
Level 6 .....	12.84	—	—	12.84	—
Lawyers .....	32.35	—	—	37.82	—
Technical occupations:					
Licensed practical nurses .....	13.08	13.02	—	13.18	—
Level 5 .....	12.82	12.85	—	13.30	—
Health technologists and technicians, N.E.C. ....	10.61	10.44	—	10.48	—
Electrical and electronic technicians .....	16.79	16.94	—	16.85	—
Level 8 .....	19.85	19.85	—	19.85	—
Engineering technicians, N.E.C. ....	19.46	20.05	—	19.46	—
Computer programmers .....	16.90	16.90	—	—	—
Executive, administrative, and managerial occupations:					
Administrators and officials, public administration .....	36.72	—	—	36.72	—
Financial managers .....	29.59	31.08	—	29.59	—
Managers, marketing, advertising and public relations .....	33.84	33.84	—	33.84	—
Administrators, education and related fields .....	30.42	—	40.61	30.42	—
Managers and administrators, N.E.C. ....	27.93	28.90	—	27.93	—
Level 9 .....	23.41	23.41	—	23.41	—
Accountants and auditors .....	18.68	21.77	—	18.68	—
Other financial officers .....	25.00	—	—	25.00	—
Personnel, training, and labor relations specialists .....	23.78	—	—	23.78	—
Purchasing agents and buyers, N.E.C. ....	23.80	23.67	—	23.80	—
Management related occupations, N.E.C. ....	20.63	22.49	—	21.12	—
Sales occupations:					
Supervisors, sales occupations .....	20.51	20.51	—	20.51	—
Sales occupations, other business services .....	14.54	14.54	—	—	—
Sales representatives, mining, manufacturing, and wholesale .....	29.86	29.86	—	29.86	—
Sales workers, other commodities .....	17.68	17.68	—	—	\$7.49
Level 1 .....	7.31	7.31	—	—	—
Cashiers .....	8.12	8.06	—	8.85	6.97
Level 1 .....	7.17	7.17	—	7.63	6.73
Level 3 .....	9.60	—	—	—	—
Administrative support occupations, including clerical:					
Supervisors, general office .....	13.78	—	—	13.78	—
Supervisors, distribution, scheduling, and adjusting clerks .....	18.20	—	—	18.20	—
Secretaries .....	11.83	12.05	11.24	11.94	—
Level 4 .....	10.37	10.49	—	10.53	—
Level 5 .....	14.20	14.69	—	14.20	—
Typists .....	10.66	10.66	—	10.66	—
Receptionists .....	9.78	9.89	—	9.82	—
Level 2 .....	9.65	9.65	—	—	—
Information clerks, N.E.C. ....	8.89	—	—	8.93	—
Order clerks .....	10.51	10.51	—	10.73	—

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, Austin-San Marcos, TX, October 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)					
Order clerks (-Continued)					
Level 3 .....	\$10.00	\$10.00	—	—	—
Records clerks, N.E.C. ....	10.93	11.06	—	\$11.77	—
Level 4 .....	11.14	—	—	11.42	—
Bookkeepers, accounting and auditing clerks .....	11.12	11.55	—	11.12	—
Level 3 .....	8.83	—	—	8.83	—
Level 4 .....	10.52	—	—	10.52	—
Level 5 .....	12.94	12.94	—	12.94	—
Dispatchers .....	11.66	—	—	11.66	—
Traffic, shipping and receiving clerks .....	11.23	11.23	—	—	—
Stock and inventory clerks .....	10.44	10.44	—	10.56	—
Insurance adjusters, examiners, and investigators .....	15.39	15.35	—	15.39	—
Investigators and adjusters except insurance .....	11.51	11.69	—	11.51	—
General office clerks .....	9.59	9.94	\$9.41	9.72	\$8.14
Level 2 .....	8.18	8.42	—	—	—
Level 3 .....	8.96	9.61	8.67	8.97	—
Level 4 .....	9.66	9.99	—	9.90	—
Data entry keyers .....	9.76	9.75	—	10.06	—
Teachers' aides .....	9.51	—	9.51	9.51	—
Administrative support occupations, N.E.C. ....	9.24	9.93	—	9.89	—
Level 4 .....	9.96	—	—	—	—
Professional occupations, N.E.C. ....	23.93	27.01	—	26.56	—
<b>Blue-collar occupations:</b>					
Precision production, craft, and repair occupations:					
Automobile mechanics .....	18.01	18.30	—	18.01	—
Plumbers, pipefitters and steamfitters .....	15.20	15.88	—	15.20	—
Supervisors, production occupations .....	20.48	20.48	—	20.48	—
Electrical and electronic equipment assemblers ..	11.57	11.57	—	11.57	—
Machine operators, assemblers, and inspectors:					
Miscellaneous machine operators, N.E.C. ....	10.83	10.83	—	10.83	—
Welders and cutters .....	9.31	9.31	—	9.31	—
Assemblers .....	8.08	8.08	—	8.08	—
Production inspectors, checkers and examiners ..	10.38	10.38	—	10.38	—
Transportation and material moving occupations:					
Truck drivers .....	11.89	11.89	—	12.76	—
Level 3 .....	10.27	10.27	—	—	—
Bus drivers .....	10.62	—	10.62	—	—
Handlers, equipment cleaners, helpers, and laborers:					
Stock handlers and baggers .....	7.59	7.59	—	8.75	5.73
Level 1 .....	6.43	6.43	—	7.39	5.70
Level 3 .....	9.82	9.82	—	—	—
Freight, stock, and material handlers, N.E.C. ....	8.80	8.80	—	8.77	—
Level 2 .....	8.92	8.92	—	—	—
Laborers except construction, N.E.C. ....	7.71	7.71	—	—	—
<b>Service occupations:</b>					
Protective service occupations:					
Police and detectives, public service .....	19.53	—	19.53	19.53	—
Guards and police except public service .....	9.03	9.08	—	—	—
Food service occupations:					
Waiters and waitresses .....	4.28	4.28	—	—	—
Cooks .....	8.94	—	—	—	—
Food preparation occupations, N.E.C. ....	6.49	—	—	—	—
Level 1 .....	6.49	—	—	—	—
Health service occupations:					
Health aides, except nursing .....	7.21	7.04	—	—	—
Nursing aides, orderlies and attendants .....	7.95	8.03	—	8.02	—
Level 2 .....	7.90	—	—	—	—
Cleaning and building service occupations:					
Janitors and cleaners .....	6.46	6.19	7.64	7.04	—

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, Austin-San Marcos, TX, October 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>					
Cleaning and building service occupations: (-Continued)					
Janitors and cleaners (-Continued)					
Level 1 .....	\$6.42	\$6.21	\$7.32	\$6.59	—
Level 2 .....	—	—	7.90	8.21	—

<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.

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table C-1. Mean hourly earnings<sup>1</sup> by occupational group and selected characteristics, all industries, Austin-San Marcos, TX, October 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> .....	\$16.40	\$9.28	\$12.97	\$15.65	\$15.35	\$19.52
All occupations excluding sales .....	16.33	9.55	12.97	15.70	15.63	16.67
<b>White-collar occupations</b> .....	18.91	11.26	—	18.26	18.06	20.61
White-collar excluding sales .....	19.19	12.95	—	18.81	18.80	—
Professional specialty and technical occupations .....	22.45	16.65	—	21.95	22.14	—
Professional specialty occupations .....	24.44	16.95	—	23.71	24.00	—
Technical occupations .....	16.01	14.41	—	15.94	15.94	—
Executive, administrative, and managerial occupations ...	24.50	—	—	24.47	24.47	—
Sales occupations .....	17.04	8.11	—	15.20	11.70	21.57
Administrative support including clerical occupations .....	11.43	8.47	—	11.18	11.09	—
<b>Blue-collar occupations</b> .....	11.76	7.76	13.90	11.40	10.92	17.59
Precision production, craft, and repair occupations .....	14.30	—	14.27	14.27	13.65	18.07
Machine operators, assemblers, and inspectors .....	9.52	—	—	9.59	9.52	—
Transportation and material moving occupations .....	11.09	9.45	—	9.84	9.96	15.62
Handlers, equipment cleaners, helpers, and laborers .....	9.60	6.59	—	9.02	8.32	—
<b>Service occupations</b> .....	9.08	6.57	—	8.31	8.34	—

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table C-2. Mean hourly earnings<sup>1</sup> by occupational group and industry division, private industry, all workers<sup>2</sup>, Austin-San Marcos, TX, October 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> .....	\$15.12	\$18.54	—	\$15.70	\$18.79	\$13.50	\$15.39	\$13.32	\$15.39	\$12.98
All occupations excluding sales .....	15.10	18.32	—	13.97	18.73	13.25	13.86	13.08	15.39	12.78
<b>White-collar occupations</b> .....	18.36	25.57	—	20.97	25.74	15.74	16.54	14.99	15.89	16.17
White-collar excluding sales .....	19.27	25.43	—	15.73	25.79	16.25	13.81	17.19	15.89	16.33
Professional specialty and technical occupations .....	22.59	28.00	—	—	27.91	18.17	—	16.58	—	18.36
Professional specialty occupations .....	25.78	31.76	—	—	31.61	20.10	—	18.19	—	20.47
Technical occupations .....	16.07	17.97	—	—	18.08	14.94	—	—	—	14.36
Executive, administrative, and managerial occupations .....	26.42	29.59	—	—	29.73	24.92	—	29.76	21.31	25.10
Sales occupations .....	15.25	28.72	—	—	23.64	14.53	24.25	13.66	—	15.15
Administrative support, including clerical occupations .....	11.38	12.89	—	11.71	13.16	11.07	12.58	9.23	12.91	10.14
<b>Blue-collar occupations</b> .....	11.41	11.25	—	13.43	10.78	11.65	13.90	11.36	—	9.91
Precision production, craft, and repair occupations .....	14.36	13.61	—	14.08	13.31	15.55	—	16.28	—	14.83
Machine operators, assemblers, and inspectors .....	9.54	9.81	—	—	9.81	7.04	—	—	—	6.92
Transportation and material moving occupations .....	10.86	11.07	—	—	10.64	10.79	16.49	7.25	—	—
Handlers, equipment cleaners, helpers, and laborers .....	9.13	9.18	—	—	9.06	9.11	—	9.12	—	9.12
<b>Service occupations</b> .....	6.87	—	—	—	—	6.86	—	6.89	—	6.84

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table C-3. Mean hourly earnings<sup>1</sup> by occupational group and establishment employment size, private industry, all workers<sup>2</sup>, Austin-San Marcos, TX, October 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> .....	\$15.12	\$11.42	\$15.84	\$13.77	\$19.27
All occupations excluding sales .....	15.10	11.68	15.70	13.48	19.01
<b>White-collar occupations</b> .....	18.36	13.37	19.13	17.09	21.63
White-collar excluding sales .....	19.27	15.51	19.69	17.79	21.51
Professional specialty and technical occupations .....	22.59	22.34	22.61	19.72	24.64
Professional specialty occupations .....	25.78	22.97	26.04	21.29	30.03
Technical occupations .....	16.07	—	16.09	15.60	16.33
Executive, administrative, and managerial occupations ...	26.42	17.55	28.04	27.89	28.23
Sales occupations .....	15.25	10.48	16.84	15.33	22.78
Administrative support, including clerical occupations .....	11.38	9.97	11.59	11.31	11.97
<b>Blue-collar occupations</b> .....	11.41	11.29	11.44	10.74	13.19
Precision production, craft, and repair occupations .....	14.36	14.79	14.20	13.34	16.57
Machine operators, assemblers, and inspectors .....	9.54	8.92	9.58	8.69	11.05
Transportation and material moving occupations .....	10.86	7.06	12.06	10.73	—
Handlers, equipment cleaners, helpers, and laborers .....	9.13	7.40	9.59	9.45	10.10
<b>Service occupations</b> .....	6.87	6.41	7.03	7.05	6.90

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.



**Table C-4. Number of workers<sup>1</sup> represented by occupational group, Austin-San Marcos, TX, October 1998**

Occupational group <sup>2</sup>	All workers		
	All industries	Private industry	State and local government
<b>All occupations</b> .....	331,199	234,077	97,122
All occupations excluding sales .....	294,489	198,066	96,423
<b>White-collar occupations</b> .....	221,287	141,999	79,288
White-collar excluding sales .....	184,576	105,988	78,589
Professional specialty and technical occupations .....	85,138	50,318	34,820
Professional specialty occupations .....	67,461	33,716	33,745
Technical occupations .....	17,676	16,601	1,075
Executive, administrative, and managerial occupations ...	37,030	17,552	19,478
Sales occupations .....	36,711	36,011	—
Administrative support including clerical occupations .....	62,408	38,118	24,290
<b>Blue-collar occupations</b> .....	64,935	57,466	7,469
Precision production, craft, and repair occupations .....	24,765	20,057	4,709
Machine operators, assemblers, and inspectors .....	17,172	17,036	—
Transportation and material moving occupations .....	9,228	7,844	1,384
Handlers, equipment cleaners, helpers, and laborers .....	13,770	12,529	—
<b>Service occupations</b> .....	44,977	34,612	10,366

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

# 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. Although 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 includes questions of scope, frame, and sample selection.

### Survey scope

This survey 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 Austin-San Marcos, TX Metropolitan Statistical Area includes Bastrop, Caldwell, Hays, Travis, and Williamson Counties, TX.

### Sampling frame

The list of establishments from which the survey sample was selected (sampling frame) was developed from State unemployment insurance reports. 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 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, employment 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. Other contact methods, such as mail and telephone, were used to follow-up and update data.

### 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 MOGs:

- 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

Appendix B contains a complete list of all individual occupations, classified by the MOG to which they belong. 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 data were collected over several months. For each establishment in the survey, the data reflect the establishment's most recent information at the time of collection. The payroll reference month shown in the tables reflects the average date of this information for all sample units.

### 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 bo-

nuses, 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 and 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 establishments or occupations into the various data series. Some of the establishments surveyed could not supply or 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 that were additionally defined by major occupation group and job level.

Establishments that were determined to be out of busi-

ness or outside the scope of the survey 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.

### Survey response

	Establish- ments
Total in sample	200
Responding	149
Out of business or not in survey scope	8
Unable or refused to pro- vide data	43

Some surveys may have a high nonresponse rate for the all industries or private industry iterations. Such instances are noted in the bulletin table footnotes.

### 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, Austin-San Marcos, TX, October 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 .....	1,515	148	28	120	76	44
Private industry .....	1,469	122	26	96	70	26
Goods-producing industries .....	283	41	7	34	21	13
Mining .....	2	1	-	1	1	-
Construction .....	117	9	3	6	5	1
Manufacturing .....	164	31	4	27	15	12
Service-producing industries .....	1,186	81	19	62	49	13
Transportation and public utilities .....	37	6	-	6	5	1
Wholesale and retail trade .....	542	27	10	17	16	1
Finance, insurance and real estate .....	61	7	1	6	4	2
Services .....	545	41	8	33	24	9
State and local government .....	46	26	2	24	6	18

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>, Austin-San Marcos, TX, October 1998**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>All occupations</b> .....	2.7	3.2	5.1
All occupations excluding sales .....	2.9	3.6	5.1
<b>White-collar occupations</b> .....	2.9	3.4	5.7
White-collar occupations excluding sales .....	3.2	3.8	5.8
Professional specialty and technical occupations .....	3.3	4.0	5.3
Professional specialty occupations .....	3.9	4.9	5.5
Engineers, architects, and surveyors .....	4.8	4.8	-
Electrical and electronic engineers .....	7.4	7.5	-
Industrial engineers .....	7.2	7.2	-
Engineers, N.E.C. ....	5.8	5.8	-
Mathematical and computer scientists .....	11.3	4.9	-
Computer systems analysts and scientists .....	12.2	5.0	-
Natural scientists .....	-	-	-
Health related occupations .....	3.1	3.3	-
Registered nurses .....	2.7	2.8	-
Teachers, college and university .....	8.5	-	-
Teachers, except college and university .....	2.6	8.2	1.2
Elementary school teachers .....	0.9	-	0.9
Secondary school teachers .....	2.1	-	2.1
Librarians, archivists, and curators .....	-	-	-
Social scientists and urban planners .....	9.4	-	10.7
Social, recreation, and religious workers .....	13.3	-	14.5
Social workers .....	13.4	-	14.5
Lawyers and judges .....	14.1	-	-
Lawyers .....	14.1	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	14.2	17.1	21.3
Professional occupations, N.E.C. ....	12.2	13.0	-
Technical occupations .....	3.7	3.9	7.4
Licensed practical nurses .....	2.7	2.8	-
Health technologists and technicians, N.E.C. ....	10.5	10.8	-
Electrical and electronic technicians .....	6.7	6.8	-
Engineering technicians, N.E.C. ....	7.1	7.0	-
Computer programmers .....	8.0	8.0	-
Executive, administrative, and managerial occupations ...	7.0	7.6	11.7
Executives, administrators, and managers .....	8.0	7.8	14.7
Administrators and officials, public administration	7.7	-	-
Financial managers .....	9.3	11.6	-
Managers, marketing, advertising and public relations .....	11.4	11.4	-
Administrators, education and related fields .....	20.2	-	14.4
Managers and administrators, N.E.C. ....	9.9	10.7	-
Management related occupations .....	7.6	11.4	2.6
Accountants and auditors .....	8.6	11.8	-
Other financial officers .....	36.7	-	-
Personnel, training, and labor relations specialists .....	17.9	-	-
Purchasing agents and buyers, N.E.C. ....	7.8	8.6	-
Management related occupations, N.E.C. ....	8.5	10.6	-
Sales occupations .....	7.8	7.8	-
Supervisors, sales occupations .....	15.9	15.9	-
Sales occupations, other business services .....	11.3	11.3	-
Sales representatives, mining, manufacturing, and wholesale .....	16.4	16.4	-
Sales workers, other commodities .....	21.6	21.6	-
Cashiers .....	5.4	5.7	-
Administrative support occupations, including clerical ....	2.6	3.1	4.9
Supervisors, general office .....	4.8	-	-
Supervisors, distribution, scheduling, and adjusting clerks .....	6.9	-	-
Secretaries .....	4.0	5.4	3.9
Typists .....	5.6	5.6	-
Receptionists .....	6.6	7.0	-

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>, Austin-San Marcos, TX, October 1998 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>White-collar occupations (-Continued)</b>			
Administrative support occupations, including clerical (-Continued)			
Information clerks, N.E.C. ....	7.6	—	—
Order clerks .....	2.5	2.5	—
Records clerks, N.E.C. ....	9.1	10.2	—
Bookkeepers, accounting and auditing clerks .....	5.7	5.9	—
Dispatchers .....	4.3	—	—
Traffic, shipping and receiving clerks .....	5.7	5.7	—
Stock and inventory clerks .....	13.4	13.4	—
Insurance adjusters, examiners, and investigators .....	16.0	16.7	—
Investigators and adjusters except insurance .....	6.7	6.8	—
General office clerks .....	4.7	6.0	6.5
Data entry keyers .....	4.3	4.4	—
Teachers' aides .....	4.5	—	4.5
Administrative support occupations, N.E.C. ....	8.5	8.1	—
<b>Blue-collar occupations</b> .....			
Precision production, craft, and repair occupations .....	3.2	3.5	5.9
Automobile mechanics .....	3.9	4.8	2.7
Plumbers, pipefitters and steamfitters .....	5.3	4.9	—
Supervisors, production occupations .....	13.0	12.8	—
Electrical and electronic equipment assemblers ..	10.2	10.2	—
Machine operators, assemblers, and inspectors .....	3.2	3.2	—
Miscellaneous machine operators, N.E.C. ....	5.3	5.3	—
Welders and cutters .....	5.9	5.9	—
Assemblers .....	2.8	2.8	—
Production inspectors, checkers and examiners ..	7.7	7.7	—
Transportation and material moving occupations .....	13.6	13.6	—
Truck drivers .....	10.7	11.9	4.7
Bus drivers .....	13.7	13.7	—
Handlers, equipment cleaners, helpers, and laborers .....	3.5	—	3.5
Stock handlers and baggers .....	5.9	6.2	—
Freight, stock, and material handlers, N.E.C. ....	7.3	7.3	—
Laborers except construction, N.E.C. ....	2.1	2.1	—
	3.8	5.0	—
<b>Service occupations</b> .....			
Protective service occupations .....	5.5	3.2	8.7
Police and detectives, public service .....	13.0	9.3	8.0
Guards and police except public service .....	6.5	—	6.5
Food service occupations .....	15.4	18.8	—
Waiters and waitresses .....	5.9	5.9	10.0
Cooks .....	22.0	22.0	—
Food preparation occupations, N.E.C. ....	6.3	—	—
Health service occupations .....	6.4	—	—
Health aides, except nursing .....	5.5	6.2	—
Nursing aides, orderlies and attendants .....	16.9	19.2	—
Cleaning and building service occupations .....	1.4	1.4	—
Janitors and cleaners .....	3.9	4.1	3.4
Personal service occupations .....	4.1	4.3	3.4
	—	—	—

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.



**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Austin-San Marcos, TX, October 1998**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>All occupations</b> .....	5	6	3
All occupations excluding sales .....	6	6	3
<b>White-collar occupations</b> .....	6	7	4
White-collar occupations excluding sales .....	7	7	5
Professional specialty and technical occupations .....	8	8	7
Professional specialty occupations .....	9	9	8
Engineers, architects, and surveyors .....	11	11	—
Electrical and electronic engineers .....	11	11	—
Industrial engineers .....	10	10	—
Engineers, N.E.C. ....	12	12	—
Mathematical and computer scientists .....	10	10	—
Computer systems analysts and scientists .....	10	10	—
Natural scientists .....	—	—	—
Health related occupations .....	8	8	—
Registered nurses .....	8	8	—
Teachers, college and university .....	10	10	—
Teachers, except college and university .....	7	7	7
Elementary school teachers .....	7	7	—
Secondary school teachers .....	8	8	—
Librarians, archivists, and curators .....	—	—	—
Social scientists and urban planners .....	9	9	—
Social, recreation, and religious workers .....	7	7	—
Social workers .....	7	7	—
Lawyers and judges .....	10	11	—
Lawyers .....	10	11	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	8	8	—
Professional occupations, N.E.C. ....	10	10	—
Technical occupations .....	6	6	6
Licensed practical nurses .....	6	6	—
Health technologists and technicians, N.E.C. ....	4	4	—
Electrical and electronic technicians .....	6	6	—
Engineering technicians, N.E.C. ....	7	7	—
Computer programmers .....	8	—	—
Executive, administrative, and managerial occupations .....	9	9	—
Executives, administrators, and managers .....	10	10	—
Administrators and officials, public administration .....	9	9	—
Financial managers .....	11	11	—
Managers, marketing, advertising and public relations ..	11	11	—
Administrators, education and related fields .....	10	10	—
Managers and administrators, N.E.C. ....	10	10	—
Management related occupations .....	8	8	—
Accountants and auditors .....	8	8	—
Other financial officers .....	7	7	—
Personnel, training, and labor relations specialists .....	9	9	—
Purchasing agents and buyers, N.E.C. ....	9	9	—
Management related occupations, N.E.C. ....	8	8	—
Sales occupations .....	4	5	2
Supervisors, sales occupations .....	7	7	—
Sales occupations, other business services .....	5	—	—
Sales representatives, mining, manufacturing, and wholesale .....	8	8	—
Sales workers, other commodities .....	5	—	2
Cashiers .....	2	2	1
Administrative support occupations, including clerical .....	4	4	3
Supervisors, general office .....	6	6	—
Supervisors, distribution, scheduling, and adjusting clerks .....	7	7	—
Secretaries .....	5	5	—
Typists .....	3	3	—
Receptionists .....	2	2	—
Information clerks, N.E.C. ....	4	4	—
Order clerks .....	3	3	—
Records clerks, N.E.C. ....	4	4	—
Bookkeepers, accounting and auditing clerks .....	4	4	—
Dispatchers .....	5	5	—
Traffic, shipping and receiving clerks .....	4	—	—

See footnotes at end of table.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Austin-San Marcos, TX, October 1998 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>White-collar occupations</b> (-Continued)			
Administrative support occupations, including clerical (-Continued)			
Stock and inventory clerks .....	4	4	—
Insurance adjusters, examiners, and investigators .....	6	6	—
Investigators and adjusters except insurance .....	4	4	—
General office clerks .....	3	3	3
Data entry keyers .....	3	3	—
Teachers' aides .....	3	3	—
Administrative support occupations, N.E.C. ....	3	4	—
<b>Blue-collar occupations</b> .....			
Precision production, craft, and repair occupations .....	4	4	2
Automobile mechanics .....	5	5	—
Plumbers, pipefitters and steamfitters .....	5	5	—
Supervisors, production occupations .....	6	6	—
Electrical and electronic equipment assemblers .....	7	7	—
Machine operators, assemblers, and inspectors .....	5	5	—
Miscellaneous machine operators, N.E.C. ....	3	3	—
Welders and cutters .....	3	3	—
Assemblers .....	4	4	—
Production inspectors, checkers and examiners .....	2	2	—
Transportation and material moving occupations .....	5	5	—
Truck drivers .....	3	3	2
Bus drivers .....	3	3	—
Handlers, equipment cleaners, helpers, and laborers .....	3	—	—
Stock handlers and baggers .....	2	2	1
Freight, stock, and material handlers, N.E.C. ....	2	2	1
Laborers except construction, N.E.C. ....	2	—	—
<b>Service occupations</b> .....			
Protective service occupations .....	3	3	2
Police and detectives, public service .....	5	6	3
Guards and police except public service .....	8	8	—
Food service occupations .....	2	—	—
Waiters and waitresses .....	2	2	2
Cooks .....	2	—	—
Food preparation occupations, N.E.C. ....	3	—	—
Health service occupations .....	1	—	—
Health aides, except nursing .....	2	3	2
Nursing aides, orderlies and attendants .....	2	—	—
Cleaning and building service occupations .....	2	2	—
Janitors and cleaners .....	2	2	—
Personal service occupations .....	2	3	—

<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."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.