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Area Wage Survey

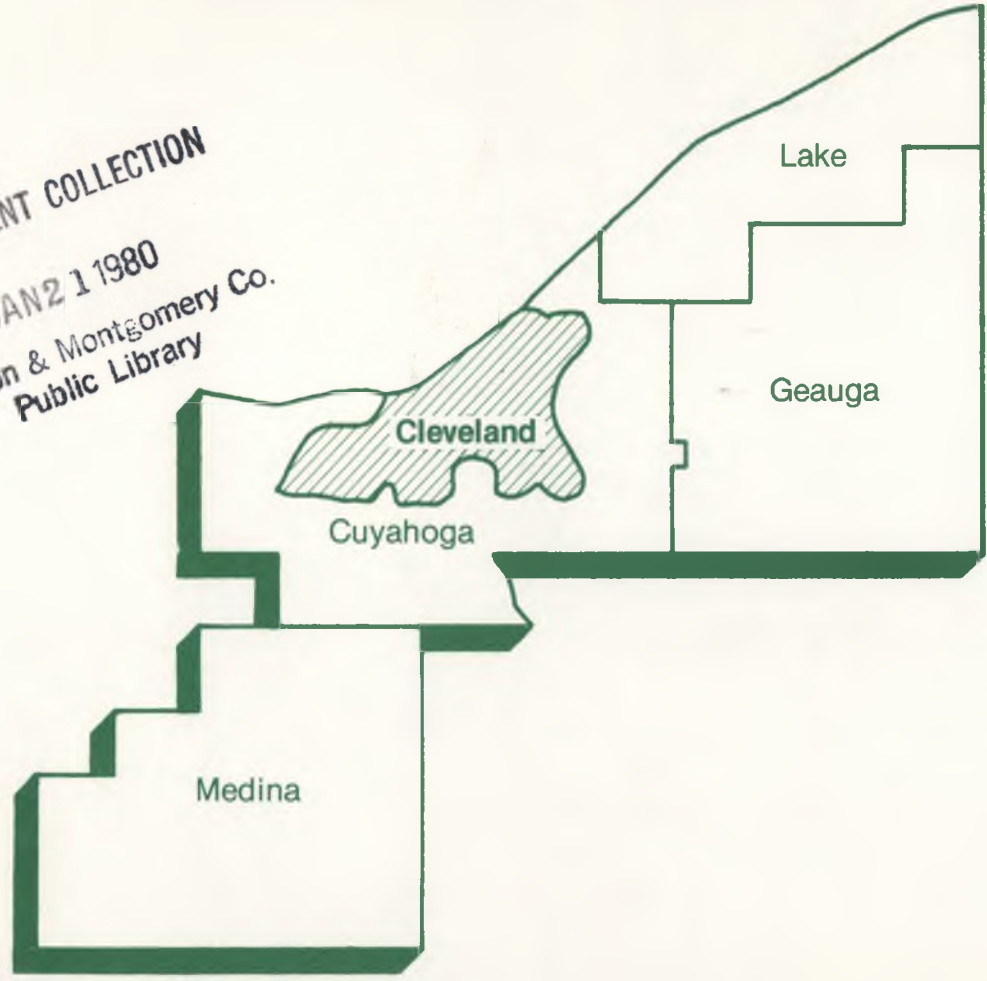
Cleveland, Ohio, Metropolitan Area September 1979



U.S. Department of Labor
Bureau of Labor Statistics

Bulletin 2050-47

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Preface

This bulletin provides results of a September 1979 survey of occupational earnings in the Cleveland, Ohio, Standard Metropolitan Statistical Area. The survey was made as part of the Bureau of Labor Statistics' annual area wage survey program. It was conducted by the Bureau's regional office in Chicago, Ill., under the general direction of Lois L. Orr, Assistant Regional Commissioner for Operations. The survey could not have been accomplished without the cooperation of the many firms whose wage and salary data provided the basis for the statistical information in this bulletin. The Bureau wishes to express sincere appreciation for the cooperation received.

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Note:

Current reports on occupational earnings and supplementary wage provisions in the Cleveland area are available for the computer and data processing services (March 1978) and hotel and motel (May 1978) industries, and on occupational earnings only for the laundry and dry cleaning industry (September 1979). Also available are listings of union wage rates for building trades, printing trades, local-transit operating employees, local truckdrivers and helpers, and grocery store employees. A report on occupational earnings and supplementary provisions is available for municipal workers in the city of Cleveland. Free copies of these are available from the Bureau's regional offices. (See back cover for addresses.)



Area Wage Survey

Cleveland, Ohio, Metropolitan Area September 1979

U.S. Department of Labor
Ray Marshall, Secretary
Bureau of Labor Statistics
Janet L. Norwood, Commissioner
January 1980
Bulletin 2050-47

Contents

Page

Introduction.....	2
Tables:	
Earnings, all establishments:	
A-1. Weekly earnings of office workers	3
A-2. Weekly earnings of professional and technical workers.....	7
A-3. Average weekly earnings of office, professional, and technical workers, by sex	9
A-4. Hourly earnings of maintenance, toolroom, and powerplant workers	11
A-5. Hourly earnings of material movement and custodial workers	12
A-6. Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, by sex	14
A-7. Percent increases in average hourly earnings for selected occupational groups.....	15
A-8. Average pay relationships within establishments for white-collar workers.....	16
A-9. Average pay relationships within establishments for blue-collar workers	17
Earnings, large establishments:	
A-10. Weekly earnings of office workers	18
A-11. Weekly earnings of professional and technical workers.....	20
A-12. Average weekly earnings of office, professional, and technical workers, by sex	22

Page

Tables—Continued

Earnings, large establishments—Continued	
A-13. Hourly earnings of maintenance, toolroom, and powerplant workers	23
A-14. Hourly earnings of material movement and custodial workers	24
A-15. Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, by sex	26
Appendix A. Scope and method of survey.....	29
Appendix B. Occupational descriptions	33

Introduction

This area is 1 of 72 in which the U.S. Department of Labor's Bureau of Labor Statistics conducts surveys of occupational earnings and related benefits. (See list of areas on inside back cover.) In each area, earnings data for selected occupations (A-series tables) are collected annually. Information on establishment practices and supplementary wage benefits (B-series tables) is obtained every third year. This report has no B-series tables.

Each year after all individual area wage surveys have been completed, two summary bulletins are issued. The first brings together data for each metropolitan area surveyed; the second presents national and regional estimates, projected from individual metropolitan area data, for all Standard Metropolitan Statistical Areas in the United States, excluding Alaska and Hawaii.

A major consideration in the area wage survey program is the need to describe the level and movement of wages in a variety of labor markets, through the analysis of (1) the level and distribution of wages by occupation, and (2) the movement of wages by occupational category and skill level. The program develops information that may be used for many purposes, including wage and salary administration, collective bargaining, and assistance in determining plant location. Survey results also are used by the U.S. Department of Labor to make wage determinations under the Service Contract Act of 1965.

A-series tables

Tables A-1 through A-6 provide estimates of straight-time weekly or hourly earnings for workers in occupations common to a variety of

manufacturing and nonmanufacturing industries. The occupations are defined in Appendix B. For the 31 largest survey areas, tables A-10 through A-15 provide similar data for establishments employing 500 workers or more.

Table A-7 provides percent changes in average hourly earnings of office clerical workers, electronic data processing workers, industrial nurses, skilled maintenance trades workers, and unskilled plant workers. Where possible, data are presented for all industries and for manufacturing and nonmanufacturing separately. Data are not presented for skilled maintenance workers in nonmanufacturing because the number of workers employed in this occupational group in nonmanufacturing is too small to warrant separate presentation. This table provides a measure of wage trends after elimination of changes in average earnings caused by employment shifts among establishments as well as turnover of establishments included in survey samples. For further details, see appendix A.

Tables A-8 and A-9 provide for the first time measures of average pay relationships within establishments. These measures may differ considerably from the pay relationships of overall averages published in tables A-1 through A-6. See appendix A for details.

Appendixes

Appendix A describes the methods and concepts used in the area wage survey program and provides information on the scope of the survey.

Appendix B provides job descriptions used by Bureau field representatives to classify workers by occupation.

Earnings: All establishments

Table A-1. Weekly earnings of office workers, Cleveland, Ohio, September 1979

Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																							
			Mean ²	Median ²	Middle range ²	100 AND UNDER	110	120	130	140	150	160	170	180	180	200	220	240	260	280	300	320	340	360	380	400	420 AND OVER		
						110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420				
SECRETARIES.....	3,887	39.0	\$240.50	\$230.00	\$197.00-\$279.50	-	8	8	22	55	43	160	192	571	653	488	400	325	342	198	116	107	131	45	11	12			
MANUFACTURING.....	1,929	39.5	260.50	253.00	214.00-298.00	-	-	-	-	-	7	27	58	224	259	251	226	202	221	126	70	96	103	42	8	9			
NONMANUFACTURING.....	1,958	38.5	221.50	211.00	185.00-249.00	-	8	8	22	55	36	133	134	347	394	237	174	123	121	72	46	11	28	3	3	3			
PUBLIC UTILITIES.....	216	39.5	274.00	292.00	221.50-315.00	-	-	-	6	6	6	6	6	13	8	15	7	12	39	39	26	4	21	-	2	-			
WHOLESALE TRADE.....	283	39.5	225.00	216.00	184.50-253.50	-	-	-	7	11	-	9	35	34	55	37	30	21	21	8	7	2	3	1	-	2			
RETAIL TRADE.....	230	39.5	213.00	210.00	190.00-235.00	-	-	-	1	3	2	11	11	57	58	37	32	12	4	2	-	-	-	-	-	-			
FINANCE.....	811	38.0	219.50	212.00	192.50-241.00	-	-	-	-	9	9	53	55	157	189	122	78	73	34	16	7	5	4	-	-	-			
SERVICE S.....	418	37.5	200.00	192.00	167.00-219.00	-	8	8	8	26	19	54	27	86	84	26	27	5	23	7	6	-	-	2	1	1			
SECRETARIES, CLASS A.....	267	39.0	305.00	300.50	259.00-351.00	-	-	-	-	-	-	3	-	1	11	10	51	25	32	19	31	25	30	23	3	3			
MANUFACTURING.....	185	39.0	313.50	320.00	273.50-352.50	-	-	-	-	-	-	3	-	-	-	7	25	21	21	16	27	23	16	23	1	2			
NONMANUFACTURING.....	82	39.0	286.00	261.50	252.00-326.00	-	-	-	-	-	-	-	-	1	11	3	26	4	11	3	4	2	14	-	2	1			
SECRETARIES, CLASS B.....	831	39.0	267.50	262.50	219.00-303.50	-	-	-	-	-	-	6	23	56	132	84	102	114	94	66	47	26	58	8	6	9			
MANUFACTURING.....	409	39.0	287.00	277.50	247.50-319.50	-	-	-	-	-	-	6	-	12	29	36	52	80	41	51	23	17	45	5	5	7			
NONMANUFACTURING.....	422	38.5	248.50	237.50	210.00-284.00	-	-	-	-	-	-	-	23	44	103	48	50	34	53	15	24	9	13	3	1	2			
PUBLIC UTILITIES.....	52	40.0	300.50	293.50	284.00-339.50	-	-	-	-	-	-	-	-	7	1	2	-	-	19	-	10	2	11	-	-	-			
WHOLESALE TRADE.....	51	40.0	269.50	282.50	212.00-309.50	-	-	-	-	-	-	-	5	-	11	4	3	-	10	6	6	2	2	1	-	1			
RETAIL TRADE.....	50	39.5	236.00	240.50	213.50-248.00	-	-	-	-	-	-	-	-	1	13	11	19	5	-	1	-	-	-	-	-	-			
FINANCE.....	149	38.0	256.00	249.00	226.00-280.50	-	-	-	-	-	-	-	-	1	4	25	27	27	26	21	7	6	5	-	-	-			
SECRETARIES, CLASS C.....	1,181	39.0	250.50	243.00	214.00-280.00	-	-	-	-	12	-	17	28	117	181	197	177	142	138	57	36	24	39	14	2	-			
MANUFACTURING.....	621	39.5	266.00	256.50	226.50-298.00	-	-	-	-	-	-	-	-	35	83	106	105	71	88	37	18	24	38	14	2	-			
NONMANUFACTURING.....	560	38.5	233.00	230.00	200.00-265.00	-	-	-	-	12	-	17	28	82	98	91	72	71	50	29	18	-	1	-	-	-			
PUBLIC UTILITIES.....	74	39.5	263.00	265.00	222.00-299.00	-	-	-	-	-	-	6	-	-	7	13	7	9	14	6	12	-	-	-	-	-			
WHOLESALE TRADE.....	118	39.5	223.00	228.50	184.50-259.50	-	-	-	-	11	-	-	13	17	14	12	22	20	6	1	1	-	1	-	-	-			
RETAIL TRADE.....	76	39.5	203.00	204.00	187.00-216.50	-	-	-	-	1	-	6	4	24	25	11	4	1	-	-	-	-	-	-	-	-			
FINANCE.....	219	38.0	234.50	232.00	210.50-261.00	-	-	-	-	-	-	5	7	29	43	43	31	40	11	9	1	-	-	-	-	-			
SECRETARIES, CLASS D.....	1,141	39.0	216.50	207.00	184.00-235.00	-	8	-	7	24	31	81	88	255	231	162	49	36	77	54	2	32	4	-	-	-			
MANUFACTURING.....	529	39.0	234.00	219.00	193.50-276.00	-	-	-	-	-	-	7	4	117	98	77	31	25	71	20	2	32	4	-	-	-			
NONMANUFACTURING.....	612	38.5	201.50	197.00	172.50-220.00	-	8	-	7	24	24	77	47	138	133	85	18	11	6	34	-	-	-	-	-	-			
PUBLIC UTILITIES.....	72	39.0	244.00	285.50	168.50-315.00	-	-	-	6	6	6	6	6	6	-	-	-	-	3	6	33	-	-	-	-	-			
WHOLESALE TRADE.....	101	39.0	205.00	207.00	178.50-227.00	-	-	-	-	-	-	9	17	17	30	21	5	1	-	1	-	-	-	-	-	-			
RETAIL TRADE.....	58	40.0	189.50	190.00	176.00-200.00	-	-	-	1	2	2	4	6	25	12	5	-	1	-	-	-	-	-	-	-	-			
FINANCE.....	249	38.5	207.50	207.00	197.00-221.00	-	-	-	-	-	-	15	18	58	89	50	13	6	-	-	-	-	-	-	-	-			
SECRETARIES, CLASS E.....	424	38.5	189.00	186.00	170.00-207.00	-	-	8	15	19	12	52	50	132	85	28	15	6	-	2	-	-	-	-	-	-			
MANUFACTURING.....	185	39.5	205.00	204.00	182.00-217.50	-	-	-	-	-	-	14	17	60	49	25	13	5	-	2	-	-	-	-	-	-			
NONMANUFACTURING.....	239	37.5	176.50	175.00	161.50-194.00	-	8	15	19	12	38	33	33	72	36	3	2	1	-	-	-	-	-	-	-	-			
FINANCE.....	166	37.5	180.50	182.00	169.00-192.50	-	-	-	-	9	9	33	27	62	24	2	-	-	-	-	-	-	-	-	-	-			
STENOGRAPHERS.....	687	39.5	229.50	221.00	185.00-274.00	-	-	-	16	9	27	33	64	113	79	59	67	69	91	15	7	37	1	-	-	-			
MANUFACTURING.....	390	39.5	228.00	213.50	186.50-259.50	-	-	-	8	3	9	20	36	89	45	35	50	28	17	7	5	37	1	-	-	-			
NONMANUFACTURING.....	297	39.5	231.00	234.00	184.50-285.50	-	-	-	8	6	18	13	28	24	34	24	17	41	74	8	2	-	-	-	-	-			
PUBLIC UTILITIES.....	208	40.0	251.00	274.00	211.00-285.50	-	-	-	-	-	-	9	12	12	25	15	16	37	74	6	2	-	-	-	-	-			
FINANCE.....	53	39.0	169.50	165.50	149.00-188.00	-	-	-	8	6	10	4	9	10	4	1	1	-	-	-	-	-	-	-	-	-			

See footnotes at end of tables.

Table A-1. Weekly earnings of office workers, Cleveland, Ohio, September 1979—Continued

Occupation and industry division	Number of workers	Average weekly hours (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																					
			Mean ²	Median ²	Middle range ²	100 AND UNDER	110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420 AND OVER	
						110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420		
STENOGRAPHERS--CONTINUED																											
STENOGRAPHERS, SENIOR.....	362	39.5	\$235.50	\$236.50	\$196.00-\$285.50	-	-	-	4	6	6	3	22	60	52	36	48	29	75	14	6	-	1	-	-	-	-
MANUFACTURING.....	209	39.5	230.00	230.00	195.50-259.50	-	-	-	2	-	3	2	14	43	31	26	42	22	13	6	4	-	1	-	-	-	-
NONMANUFACTURING.....	153	39.5	242.50	268.00	200.00-285.50	-	-	-	2	6	3	1	8	17	21	13	6	7	62	8	2	-	-	-	-	-	
STENOGRAPHERS, GENERAL.....	325	39.5	222.50	202.00	175.00-271.00	-	-	-	12	3	21	30	42	53	27	23	19	40	16	1	1	37	-	-	-	-	
MANUFACTURING.....	181	39.0	225.50	193.00	177.00-268.50	-	-	-	6	3	6	18	22	46	14	9	8	6	4	1	1	37	-	-	-	-	
NONMANUFACTURING.....	144	40.0	219.00	216.00	171.50-271.50	-	-	-	6	-	15	12	20	7	13	14	11	34	12	-	-	-	-	-	-	-	
PUBLIC UTILITIES.....	95	43.0	239.50	255.00	190.50-274.00	-	-	-	-	-	-	9	11	5	7	6	11	34	12	-	-	-	-	-	-	-	
TRANSCRIBING-MACHINE TYPISTS.....	226	39.0	170.50	156.00	142.50-193.00	-	-	-	23	62	42	33	3	10	13	31	6	3	-	-	-	-	-	-	-	-	
MANUFACTURING.....	74	40.0	204.00	219.50	173.00-225.50	-	-	-	-	3	9	7	-	10	11	30	3	1	-	-	-	-	-	-	-	-	
NONMANUFACTURING.....	152	39.0	154.00	149.50	141.00-156.50	-	-	-	23	59	33	26	3	-	2	1	3	2	-	-	-	-	-	-	-	-	
FINANCE.....	51	36.5	156.50	161.50	140.00-168.50	-	-	-	1	16	5	26	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
TYPISTS.....	2,492	39.0	180.50	170.00	150.00-196.00	-	6	68	261	288	309	307	293	417	181	85	39	85	120	6	14	11	1	-	1	-	
MANUFACTURING.....	613	39.5	187.00	175.00	156.00-201.00	-	-	13	48	56	54	84	80	123	56	36	20	7	3	6	14	11	1	-	1	-	
NONMANUFACTURING.....	1,879	39.0	178.50	169.00	149.00-192.00	-	6	55	213	232	255	223	213	294	125	49	19	78	117	-	-	-	-	-	-	-	
FINANCE.....	556	37.0	161.50	157.50	144.50-173.50	-	-	22	83	114	85	81	58	75	33	5	-	-	-	-	-	-	-	-	-	-	
SERVICES.....	213	38.5	170.00	164.50	153.50-194.00	-	-	3	24	19	40	40	21	26	36	-	4	-	-	-	-	-	-	-	-	-	
TYPISTS, CLASS A.....	903	39.0	202.00	190.00	167.00-220.50	-	-	8	22	35	57	149	89	215	99	46	27	13	120	3	11	7	1	-	1	-	
MANUFACTURING.....	275	39.5	203.50	190.00	170.50-213.50	-	-	6	1	5	11	45	31	82	30	18	14	6	3	3	11	7	1	-	1	-	
NONMANUFACTURING.....	628	38.5	201.50	186.00	167.00-222.50	-	-	2	21	30	46	104	58	133	69	28	13	7	117	-	-	-	-	-	-	-	
FINANCE.....	276	37.5	175.00	171.50	160.00-192.00	-	-	-	15	22	34	61	36	70	33	5	-	-	-	-	-	-	-	-	-	-	
SERVICES.....	115	38.5	178.00	177.00	164.00-196.00	-	-	2	6	2	3	38	16	26	18	-	4	-	-	-	-	-	-	-	-	-	
TYPISTS, CLASS B.....	1,589	39.5	168.50	158.50	144.00-180.00	-	6	60	239	253	252	158	204	202	82	39	12	72	-	3	3	4	-	-	-	-	
MANUFACTURING.....	338	39.5	174.00	165.00	147.00-189.00	-	-	7	47	51	43	39	49	41	26	18	6	1	-	3	3	4	-	-	-	-	
NONMANUFACTURING.....	1,251	39.0	167.00	156.00	142.00-180.00	-	6	53	192	202	209	119	155	161	56	21	6	71	-	-	-	-	-	-	-	-	
FINANCE.....	289	37.0	148.00	145.50	139.00-155.50	-	-	22	68	92	51	20	22	5	-	-	-	-	-	-	-	-	-	-	-	-	
FILE CLERKS.....	721	38.0	156.00	144.00	132.00-165.50	-	18	109	134	140	72	89	61	40	16	4	8	13	6	-	10	1	-	-	-	-	
MANUFACTURING.....	121	39.0	176.50	165.50	144.00-173.00	-	-	3	21	16	9	26	21	3	7	2	1	1	-	-	10	1	-	-	-	-	
NONMANUFACTURING.....	600	38.0	152.00	140.00	130.00-160.00	-	18	106	113	124	63	63	40	37	9	2	7	12	6	-	-	-	-	-	-	-	
WHOLESALE TRADE.....	186	40.0	144.00	140.00	138.00-150.00	-	-	5	51	63	38	26	-	2	-	-	1	-	-	-	-	-	-	-	-	-	
FINANCE.....	316	36.5	147.50	141.00	126.50-161.00	-	-	8	80	60	56	24	32	26	8	-	-	-	-	-	-	-	-	-	-	-	
FILE CLERKS, CLASS B.....	337	38.0	158.50	146.00	130.00-168.00	-	7	75	45	54	40	39	32	15	5	1	2	12	-	-	10	-	-	-	-	-	
MANUFACTURING.....	84	39.0	180.00	166.00	152.00-173.00	-	-	-	6	14	7	25	20	1	1	-	-	-	-	-	10	-	-	-	-	-	
NONMANUFACTURING.....	253	37.5	151.50	140.00	125.50-157.50	-	7	75	39	40	33	14	12	14	4	1	2	12	-	-	-	-	-	-	-	-	
FINANCE.....	172	36.0	141.00	135.00	125.50-150.00	-	-	65	32	34	21	9	2	6	3	-	-	-	-	-	-	-	-	-	-	-	
FILE CLERKS, CLASS C.....	275	39.0	140.00	140.00	131.00-148.00	-	11	34	89	76	29	27	8	-	1	-	-	-	-	-	-	-	-	-	-	-	
MANUFACTURING.....	251	39.0	140.00	140.00	130.00-148.00	-	11	31	74	74	27	26	8	-	-	-	-	-	-	-	-	-	-	-	-	-	
WHOLESALE TRADE.....	163	40.0	142.50	140.00	138.00-150.00	-	-	5	44	61	27	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FINANCE.....	65	36.5	132.50	134.50	126.50-138.00	-	8	15	28	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of tables.

Table A-1. Weekly earnings of office workers, Cleveland, Ohio, September 1979—Continued

Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																				
			Mean ²	Median ²	Middle range ²	100	110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420
						AND UNDER	110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420
MESSENGERS.....	478	39.0	\$167.50	\$152.50	\$138.00-\$180.00	-	1	79	58	70	60	54	29	42	22	9	10	40	2	1	1	-	-	-	-	
MANUFACTURING.....	121	39.0	175.00	161.00	140.00-204.00	-	-	10	14	20	16	9	7	11	13	8	8	3	-	1	1	-	-	-	-	
NONMANUFACTURING.....	357	38.5	165.00	151.00	132.50-173.00	-	1	69	44	50	44	45	22	31	9	1	2	37	2	-	-	-	-	-	-	
PUBLIC UTILITIES.....	61	40.0	242.50	269.50	202.00-269.50	-	-	-	-	-	-	5	6	2	8	-	1	37	2	-	-	-	-	-	-	
FINANCE.....	146	38.0	153.50	151.00	138.00-161.00	-	1	9	33	19	36	24	10	14	-	-	-	-	-	-	-	-	-	-	-	
SWITCHBOARD OPERATORS.....	396	39.5	173.00	157.50	129.00-203.50	15	1	84	77	14	10	21	31	29	44	17	10	20	8	2	4	7	2	-	-	
MANUFACTURING.....	107	39.5	214.50	199.50	172.50-237.00	-	-	5	-	-	2	13	21	13	17	11	3	8	-	1	4	7	2	-	-	
NONMANUFACTURING.....	289	39.5	158.00	134.00	123.00-180.00	15	1	79	77	14	8	8	10	16	27	6	7	12	8	1	-	-	-	-	-	
PUBLIC UTILITIES.....	36	40.0	247.00	278.50	206.50-279.50	-	-	-	-	-	-	1	-	6	4	3	2	11	8	1	-	-	-	-	-	
SERVICES.....	151	39.0	131.50	132.00	120.00-134.00	15	-	59	61	3	1	1	2	-	7	2	-	-	-	-	-	-	-	-	-	
SWITCHBOARD OPERATOR-RECEPTIONISTS.....	621	39.0	169.00	167.00	148.50-182.00	-	-	81	24	74	36	135	95	92	45	17	10	7	2	1	1	1	-	-	-	
MANUFACTURING.....	268	39.5	175.50	169.50	156.00-186.00	-	-	15	11	29	22	63	31	57	18	7	8	2	2	1	1	1	-	-	-	
NONMANUFACTURING.....	353	38.5	164.50	166.00	147.00-178.50	-	-	66	13	45	14	72	64	35	27	10	2	5	-	-	-	-	-	-	-	
WHOLESALE TRADE.....	129	39.0	172.50	169.50	148.50-198.00	-	-	13	7	17	8	15	23	12	14	6	2	3	-	-	-	-	-	-	-	
FINANCE.....	152	38.0	157.00	161.50	126.50-175.50	-	-	45	6	14	5	19	38	19	6	-	-	-	-	-	-	-	-	-	-	
SERVICES.....	60	38.5	164.50	164.00	149.50-166.00	-	-	8	-	13	1	24	-	4	6	4	-	-	-	-	-	-	-	-	-	
ORDER CLERKS.....	846	39.5	212.50	200.00	171.00-240.50	-	1	2	14	20	59	59	99	153	107	91	81	38	84	14	3	11	7	3	-	
MANUFACTURING.....	304	39.5	220.50	206.00	182.50-253.50	-	-	-	6	12	2	25	19	60	56	33	21	33	17	2	2	6	7	3	-	
NONMANUFACTURING.....	542	40.0	208.00	195.00	170.00-240.50	-	1	2	8	8	57	34	80	93	51	58	60	5	67	12	1	5	-	-	-	
WHOLESALE TRADE.....	477	40.0	212.50	200.00	170.00-240.50	-	-	-	8	7	46	29	68	71	40	58	60	5	67	12	1	5	-	-	-	
ORDER CLERKS, CLASS A.....	358	39.5	240.50	238.00	214.50-286.00	-	-	-	5	6	11	12	23	21	28	81	36	30	79	14	1	6	3	2	-	
MANUFACTURING.....	106	39.0	249.00	252.00	224.00-272.50	-	-	-	-	-	-	-	8	10	7	24	12	25	12	2	-	1	3	2	-	
NONMANUFACTURING.....	252	39.5	237.00	232.00	200.50-286.00	-	-	-	5	6	11	12	15	11	21	57	24	5	67	12	1	5	-	-	-	
WHOLESALE TRADE.....	252	39.5	237.00	232.00	200.50-286.00	-	-	-	5	6	11	12	15	11	21	57	24	5	67	12	1	5	-	-	-	
ORDER CLERKS, CLASS B.....	488	39.5	192.00	185.50	170.00-202.50	-	1	2	9	14	48	47	76	132	79	10	45	8	5	-	2	5	4	1	-	
MANUFACTURING.....	198	39.5	205.50	196.00	174.00-218.00	-	-	-	6	12	2	25	11	50	49	9	9	8	5	-	2	5	4	1	-	
NONMANUFACTURING.....	290	40.0	183.00	180.00	168.50-195.00	-	1	2	3	2	46	22	65	82	30	1	36	-	-	-	-	-	-	-	-	
WHOLESALE TRADE.....	225	40.0	185.50	180.00	170.00-195.00	-	-	-	3	1	35	17	53	60	19	1	36	-	-	-	-	-	-	-	-	
ACCOUNTING CLERKS.....	3,310	39.0	210.00	196.50	167.00-244.00	-	2	36	96	181	219	334	374	496	478	238	179	177	304	39	29	30	53	23	22	
MANUFACTURING.....	1,414	39.5	219.00	206.00	174.50-256.50	-	1	15	29	53	68	133	129	230	228	107	111	117	48	20	21	25	34	23	22	
NONMANUFACTURING.....	1,896	39.0	203.50	188.00	162.50-231.00	-	1	21	67	128	151	201	245	266	250	131	68	60	256	19	8	5	19	-	-	
PUBLIC UTILITIES.....	399	40.0	282.00	290.00	275.00-293.50	-	-	-	-	-	-	-	3	9	24	13	20	42	242	17	8	3	18	-	-	
WHOLESALE TRADE.....	636	39.5	178.00	175.00	158.00-198.00	-	-	6	13	35	102	111	105	115	67	31	11	-	8	-	-	1	1	-	-	
RETAIL TRADE.....	340	39.0	176.00	173.00	155.50-194.00	-	1	7	31	29	31	38	70	66	44	14	3	3	1	2	-	-	-	-	-	
FINANCE.....	338	37.5	189.50	187.00	163.00-210.00	-	-	-	22	33	6	44	44	66	52	35	28	7	1	-	-	-	-	-	-	
SERVICES.....	213	39.0	194.00	201.50	165.50-220.00	-	-	8	1	31	12	8	23	10	63	38	6	8	4	-	-	1	-	-	-	
ACCOUNTING CLERKS, CLASS A.....	1,381	39.0	241.50	230.00	197.00-284.00	-	-	-	6	21	23	47	89	173	249	152	101	145	228	24	19	24	35	23	22	
MANUFACTURING.....	698	39.5	244.00	230.00	198.00-269.00	-	-	-	2	14	16	24	33	94	128	73	62	192	43	15	12	19	16	23	22	
NONMANUFACTURING.....	683	39.0	239.50	231.00	197.00-293.50	-	-	-	4	7	7	23	56	79	121	79	39	43	185	9	7	5	19	-	-	
PUBLIC UTILITIES.....	251	40.0	293.50	293.50	289.00-293.50	-	-	-	-	-	-	-	-	-	5	7	6	27	171	7	7	3	18	-	-	
WHOLESALE TRADE.....	78	39.5	211.00	194.50	170.00-238.00	-	-	-	1	-	-	14	17	7	5	19	5	-	8	-	-	1	1	-	-	
RETAIL TRADE.....	90	39.0	198.00	196.00	180.50-208.00	-	-	-	1	5	4	11	11	31	26	5	2	2	1	2	-	-	-	-	-	
FINANCE.....	179	37.5	206.50	208.50	181.50-233.00	-	-	-	3	6	1	5	22	40	39	33	22	7	1	-	-	-	-	-	-	
SERVICES.....	85	38.5	210.50	210.00	201.50-225.00	-	-	-	-	-	1	-	6	1	46	15	4	7	4	-	-	1	-	-	-	

See footnotes at end of tables.

Table A-1. Weekly earnings of office workers, Cleveland, Ohio, September 1979—Continued

Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																					
			Mean ²	Median ²	Middle range ²	100	110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420	
						AND UNDER 110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420		
ACCOUNTING CLERKS--CONTINUED																											
ACCOUNTING CLERKS, CLASS B.....	1,929	39.0	\$167.50	\$175.00	\$159.50-\$204.50	-	2	36	90	160	196	287	285	323	229	86	78	32	76	15	10	6	18	-	-	-	
MANUFACTURING.....	716	39.5	195.00	183.50	163.00- 210.50	-	1	15	27	39	52	109	96	136	100	34	49	15	5	5	9	6	18	-	-	-	
NONMANUFACTURING.....	1,213	39.0	183.00	174.00	155.50- 200.00	-	1	21	63	121	144	178	189	187	129	52	29	17	71	10	1	-	-	-	-	-	
PUBLIC UTILITIES.....	148	40.0	262.50	281.50	240.00- 285.50	-	-	-	-	-	-	-	3	9	19	6	14	15	71	10	1	-	-	-	-	-	
WHOLESALE TRADE.....	528	39.5	173.00	171.00	155.00- 191.00	-	-	6	12	35	102	97	88	198	62	12	6	-	-	-	-	-	-	-	-	-	
RETAIL TRADE.....	250	39.0	168.00	168.00	149.50- 181.00	-	1	7	31	28	26	34	59	35	18	9	1	1	-	-	-	-	-	-	-	-	
FINANCE.....	159	37.0	170.50	167.00	150.00- 187.00	-	-	-	19	27	5	39	22	26	13	2	6	-	-	-	-	-	-	-	-	-	
SERVICES.....	128	39.0	178.00	173.00	149.50- 206.00	-	-	8	1	31	11	8	17	9	17	23	2	1	-	-	-	-	-	-	-	-	
BOOKKEEPING-MACHINE OPERATORS.....	136	38.5	174.00	166.90	152.00- 184.00	-	-	20	2	10	9	39	12	13	18	3	3	4	3	-	-	-	-	-	-	-	
MANUFACTURING.....	67	39.0	179.50	165.00	160.50- 202.50	-	-	-	7	9	24	5	5	9	3	3	2	-	-	-	-	-	-	-	-		
NONMANUFACTURING.....	69	38.5	169.00	166.00	129.50- 180.00	-	-	20	2	3	-	15	7	8	9	-	-	2	3	-	-	-	-	-	-	-	
BOOKKEEPING-MACHINE OPERATORS, CLASS B.....	103	38.5	169.00	163.50	140.00- 174.50	-	-	20	2	10	6	30	12	2	11	3	3	4	-	-	-	-	-	-	-	-	
MANUFACTURING.....	58	39.0	181.00	166.00	160.50- 211.00	-	-	-	7	6	21	5	2	9	3	3	2	-	-	-	-	-	-	-	-	-	
MACHINE-BILLERS.....	77	40.0	198.50	198.00	176.00- 233.00	-	-	1	10	2	-	4	6	18	7	21	2	6	-	-	-	-	-	-	-	-	
MANUFACTURING.....	54	39.5	213.00	226.00	184.00- 233.00	-	-	-	2	2	-	3	6	5	7	21	2	6	-	-	-	-	-	-	-	-	
PAYROLL CLERKS.....	598	39.5	217.00	203.50	178.50- 247.50	-	-	2	17	18	34	50	32	106	119	61	28	41	36	17	10	8	13	6	-	-	
MANUFACTURING.....	358	39.5	224.00	202.00	184.00- 257.50	-	-	-	-	-	13	35	21	82	67	41	19	27	9	13	6	8	11	6	-	-	
NONMANUFACTURING.....	240	39.5	207.50	203.50	161.50- 239.50	-	-	2	17	18	21	15	11	24	52	20	9	14	27	4	4	-	2	-	-	-	
PUBLIC UTILITIES.....	78	39.5	263.00	273.50	229.00- 293.50	-	-	-	-	-	-	-	-	1	15	10	5	14	24	4	4	-	1	-	-	-	
WHOLESALE TRADE.....	67	40.0	165.50	158.00	140.00- 186.00	-	-	1	8	13	16	1	6	11	6	5	-	-	-	-	-	-	-	-	-	-	
KEY ENTRY OPERATORS.....	1,556	39.5	201.00	189.00	168.00- 218.50	-	4	7	65	82	96	171	208	276	265	78	95	71	62	10	33	12	1	12	-	-	
MANUFACTURING.....	678	39.5	215.00	198.50	172.50- 242.50	-	-	-	-	28	31	74	90	123	110	43	66	23	19	13	33	12	1	12	-	-	
NONMANUFACTURING.....	878	39.0	190.50	182.50	161.50- 207.00	-	4	7	65	54	65	97	118	153	155	35	29	48	43	5	-	-	-	-	-	-	
PUBLIC UTILITIES.....	193	40.0	241.00	257.50	203.50- 279.50	-	-	-	-	-	11	19	-	15	36	2	19	44	42	5	-	-	-	-	-	-	
WHOLESALE TRADE.....	325	39.5	181.00	178.00	156.50- 200.00	-	-	-	29	20	33	25	62	48	71	25	7	4	1	-	-	-	-	-	-	-	
RETAIL TRADE.....	99	39.0	167.00	172.90	148.00- 190.00	-	4	7	8	8	13	8	10	26	13	2	-	-	-	-	-	-	-	-	-	-	
FINANCE.....	211	37.5	170.00	168.00	149.50- 183.50	-	-	-	27	26	19	36	26	55	16	3	3	-	-	-	-	-	-	-	-	-	
SERVICES.....	50	39.5	187.50	192.00	168.00- 205.00	-	-	-	1	-	-	17	1	9	19	3	-	-	-	-	-	-	-	-	-	-	
KEY ENTRY OPERATORS, CLASS A.....	681	39.5	221.50	210.00	182.00- 254.00	-	-	1	4	2	11	59	89	122	125	70	58	32	59	16	9	11	1	12	-	-	
MANUFACTURING.....	382	40.0	226.50	212.50	184.00- 255.00	-	-	-	-	-	9	31	52	60	75	39	40	14	16	13	9	11	1	12	-	-	
NONMANUFACTURING.....	299	39.0	215.00	208.00	180.50- 250.50	-	-	1	4	2	2	28	37	62	50	31	18	18	43	3	-	-	-	-	-	-	
PUBLIC UTILITIES.....	84	40.0	269.50	281.50	257.50- 286.00	-	-	-	-	-	-	-	-	1	10	1	13	14	42	3	-	-	-	-	-	-	
WHOLESALE TRADE.....	91	39.0	204.50	208.00	178.50- 225.00	-	-	-	-	-	4	23	17	17	15	25	2	4	1	-	-	-	-	-	-	-	
FINANCE.....	83	37.5	188.00	183.50	168.00- 195.50	-	-	-	-	-	2	21	8	32	14	3	3	-	-	-	-	-	-	-	-	-	-
KEY ENTRY OPERATORS, CLASS B.....	875	39.5	185.00	178.00	157.00- 200.00	-	4	6	61	80	85	112	119	154	140	8	37	39	3	2	24	1	-	-	-	-	
MANUFACTURING.....	296	39.5	200.50	184.00	167.00- 218.00	-	-	-	-	28	22	43	38	43	35	4	26	9	3	-	24	1	-	-	-	-	
NONMANUFACTURING.....	579	39.0	177.50	175.00	150.00- 200.00	-	4	6	61	52	63	69	81	91	105	4	11	30	-	2	-	-	-	-	-	-	
PUBLIC UTILITIES.....	109	40.0	219.00	203.50	179.50- 264.00	-	-	-	-	-	-	11	19	14	26	1	6	30	-	2	-	-	-	-	-	-	
WHOLESALE TRADE.....	234	39.5	171.50	174.00	150.00- 200.00	-	-	-	29	20	33	21	39	31	56	-	5	-	-	-	-	-	-	-	-	-	
RETAIL TRADE.....	60	39.5	158.00	151.50	140.00- 180.00	-	4	6	4	6	13	5	4	16	2	-	-	-	-	-	-	-	-	-	-	-	-
FINANCE.....	128	37.5	158.00	158.00	143.00- 173.00	-	-	-	27	26	17	15	18	23	2	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of tables.

Table A-2. Weekly earnings of professional and technical workers, Cleveland, Ohio, September 1979

Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF --																					
			Mean ²	Median ²	Middle range ²	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	421	460	500	540	580	620
						AND UNDER	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	460	500	540	580	620	AND OVER
COMPUTER SYSTEMS ANALYSTS (BUSINESS).....	698	39.0	\$440.50	\$438.50	\$363.00-\$514.00	-	-	-	1	1	-	1	6	18	34	50	51	43	41	39	115	88	106	68	28	8	
MANUFACTURING.....	324	39.5	455.50	452.00	393.00-520.00	-	-	-	-	-	-	1	3	1	14	15	13	19	23	25	53	53	45	36	17	6	
NONMANUFACTURING.....	374	39.0	427.50	433.00	345.50-508.00	-	-	-	1	1	-	-	3	17	20	35	38	24	18	14	62	35	61	32	11	2	
FINANCE.....	117	38.0	377.50	365.50	343.50-405.00	-	-	-	-	-	-	-	1	5	10	12	22	21	14	6	12	9	4	1	-	-	
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A.....	305	39.0	485.00	476.00	432.50-548.00	-	-	-	-	-	-	-	-	-	1	6	5	9	16	19	69	48	51	46	28	7	
MANUFACTURING.....	184	39.0	491.50	498.00	433.50-553.00	-	-	-	-	-	-	-	-	-	6	2	6	8	10	32	31	34	33	17	5		
NONMANUFACTURING.....	121	38.5	475.00	451.00	432.50-528.00	-	-	-	-	-	-	-	-	-	1	-	3	3	8	9	37	17	17	13	11	2	
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B.....	323	39.5	419.00	408.00	345.50-489.00	-	-	-	-	-	-	-	2	8	15	37	40	33	17	17	42	36	55	20	-	1	
MANUFACTURING.....	116	39.5	413.50	412.50	356.00-468.50	-	-	-	-	-	-	-	-	1	12	9	9	12	7	12	19	22	11	1	-	1	
NONMANUFACTURING.....	207	39.0	422.50	402.50	345.00-520.00	-	-	-	-	-	-	-	2	7	3	28	31	21	10	5	23	14	44	19	-	-	
FINANCE.....	61	38.0	370.50	363.50	345.50-383.50	-	-	-	-	-	-	-	-	1	2	5	17	18	8	3	4	3	-	-	-	-	
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS C.....	70	39.0	345.00	320.50	303.50-392.50	-	-	-	1	1	-	1	4	10	18	7	6	1	8	3	4	4	-	2	-	-	
COMPUTER PROGRAMMERS (BUSINESS).....	957	39.0	346.00	344.00	285.00-404.00	-	-	4	15	49	20	29	86	86	87	91	95	74	61	62	131	40	10	12	5	-	
MANUFACTURING.....	466	39.5	352.50	351.00	305.00-400.00	-	-	-	4	7	10	15	34	36	50	56	45	43	47	39	55	14	5	6	-	-	
NONMANUFACTURING.....	491	39.0	339.50	335.00	277.50-412.50	-	-	-	4	11	42	10	14	52	50	37	35	50	31	14	23	76	26	5	6	5	-
WHOLESALE TRADE.....	117	39.5	274.50	280.00	210.00-300.00	-	-	-	5	30	-	2	13	33	12	8	5	4	2	3	-	-	-	-	-	-	
FINANCE.....	170	37.5	326.50	323.00	268.50-382.50	-	-	-	5	6	8	12	25	14	14	9	20	14	9	16	12	6	-	-	-	-	
COMPUTER PROGRAMMERS (BUSINESS), CLASS A.....	283	39.0	407.00	403.50	362.50-441.50	-	-	-	-	-	-	-	3	8	19	14	24	32	34	31	72	19	10	12	5	-	
MANUFACTURING.....	179	39.5	398.50	395.50	362.50-430.50	-	-	-	-	-	-	-	3	5	10	13	13	22	31	20	39	12	5	6	-	-	
NONMANUFACTURING.....	104	38.5	421.50	427.50	363.00-447.00	-	-	-	-	-	-	-	-	3	9	1	11	10	3	11	33	7	5	6	5	-	
COMPUTER PROGRAMMERS (BUSINESS), CLASS B.....	493	39.5	335.00	332.50	285.00-385.00	-	-	1	4	33	15	11	34	57	51	61	66	31	19	30	59	21	-	-	-	-	
MANUFACTURING.....	210	40.0	329.50	326.00	295.00-363.50	-	-	-	3	3	8	11	13	24	31	34	29	10	8	18	16	2	-	-	-	-	
NONMANUFACTURING.....	283	39.5	339.00	342.00	283.50-402.50	-	-	1	1	30	7	-	21	33	20	27	37	21	11	12	43	19	-	-	-	-	
FINANCE.....	62	37.5	333.50	344.00	289.00-377.50	-	-	-	-	-	5	-	7	6	6	6	11	8	7	6	-	-	-	-	-	-	
COMPUTER PROGRAMMERS (BUSINESS), CLASS C.....	181	39.0	281.50	278.00	251.00-308.50	-	-	3	11	16	5	18	49	21	17	16	5	11	8	1	-	-	-	-	-	-	
MANUFACTURING.....	77	39.5	309.50	305.00	271.50-362.50	-	-	-	1	4	2	4	18	7	9	3	11	8	1	-	-	-	-	-	-		
NONMANUFACTURING.....	104	38.5	260.50	268.50	226.00-284.50	-	-	3	10	12	3	14	31	14	8	7	2	-	-	-	-	-	-	-	-		
FINANCE.....	65	37.5	264.00	268.50	243.00-287.50	-	-	-	5	6	3	12	18	8	8	3	2	-	-	-	-	-	-	-	-		
COMPUTER OPERATORS.....	945	39.5	251.50	244.00	201.50-293.50	21	39	73	96	95	103	113	73	168	62	18	16	21	15	10	8	14	-	-	-	-	
MANUFACTURING.....	391	39.5	274.00	253.00	216.50-313.00	-	10	12	39	47	39	61	29	30	39	16	15	7	15	10	8	14	-	-	-	-	
NONMANUFACTURING.....	554	39.5	236.00	239.00	190.00-293.50	21	29	61	57	44	64	52	44	138	23	2	1	14	-	-	-	-	-	-	-	-	
WHOLESALE TRADE.....	132	39.5	211.00	206.00	160.00-260.00	6	21	10	20	14	19	8	25	3	4	1	1	-	-	-	-	-	-	-	-		
FINANCE.....	173	38.5	208.00	198.00	167.00-240.50	13	6	40	30	17	21	13	9	19	4	1	-	-	-	-	-	-	-	-	-		
SERVICES.....	62	39.5	271.50	241.00	240.00-319.50	-	-	4	2	4	4	20	3	1	12	-	-	12	-	-	-	-	-	-	-	-	

See footnotes at end of tables.

Table A-2. Weekly earnings of professional and technical workers, Cleveland, Ohio, September 1979—Continued

Occupation and industry division	Number of workers	Average weekly hour ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																					
			Mean ²	Median ²	Middle range ²	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	420	460	500	540	580	620
						AND UNDER	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	460	500	540	580	620	AND OVER
COMPUTER OPERATORS--CONTINUED																											
COMPUTER OPERATORS, CLASS A.....	190	39.5	\$291.50	\$288.50	\$250.00-\$319.50	-	-	-	2	12	17	31	22	31	31	9	9	14	2	8	1	1	-	-	-	-	
MANUFACTURING.....	105	39.5	297.50	291.50	253.00-325.00	-	-	-	7	6	20	7	23	14	8	8	-	2	8	1	1	-	-	-	-		
NONMANUFACTURING.....	85	39.0	283.50	277.50	247.50-319.50	-	-	-	2	5	11	11	15	8	17	1	1	14	-	-	-	-	-	-	-	-	
COMPUTER OPERATORS, CLASS B.....	413	39.5	259.00	241.00	214.00-287.50	-	-	14	54	49	76	73	38	22	30	9	7	7	13	1	7	13	-	-	-	-	
MANUFACTURING.....	220	39.5	284.50	255.00	227.00-324.00	-	-	6	17	23	32	36	19	7	24	8	7	7	13	1	7	13	-	-	-	-	
NONMANUFACTURING.....	193	39.0	230.00	226.00	200.00-245.00	-	-	-	8	37	26	44	37	19	15	6	1	-	-	-	-	-	-	-	-	-	
WHOLESALE TRADE.....	62	39.0	239.00	223.00	200.50-257.00	-	-	-	16	8	17	5	10	1	4	1	-	-	-	-	-	-	-	-	-	-	
FINANCE.....	60	38.5	228.50	214.00	189.50-256.00	-	-	4	20	8	8	6	1	13	-	-	-	-	-	-	-	-	-	-	-	-	
COMPUTER OPERATORS, CLASS C.....	342	39.5	220.00	204.00	162.00-293.50	21	39	59	40	34	10	9	13	115	1	-	-	-	-	1	-	-	-	-	-	-	
MANUFACTURING.....	66	39.5	200.50	196.00	180.00-210.00	-	10	6	22	17	1	5	3	-	1	-	-	-	-	1	-	-	-	-	-	-	
NONMANUFACTURING.....	276	39.5	225.00	218.50	161.00-293.50	21	29	53	18	17	9	4	10	115	-	-	-	-	-	-	-	-	-	-	-	-	
WHOLESALE TRADE.....	56	40.0	174.50	160.10	140.00-206.00	6	21	10	4	5	1	1	7	1	-	-	-	-	-	-	-	-	-	-	-	-	
FINANCE.....	77	38.5	171.00	167.00	161.00-183.50	13	6	36	9	6	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
DRAFTERS.....	1,322	40.0	299.50	300.00	252.50-345.00	3	8	26	65	69	82	113	135	159	163	150	89	101	61	38	55	5	-	-	-	-	
MANUFACTURING.....	893	40.0	303.00	299.00	253.00-357.00	2	7	15	43	56	61	66	109	90	89	72	72	75	48	35	50	3	-	-	-	-	
NONMANUFACTURING.....	429	40.0	293.00	301.50	251.50-328.00	1	1	11	22	13	21	47	26	69	74	78	17	26	13	3	5	2	-	-	-	-	
DRAFTERS, CLASS A.....	467	40.0	351.50	353.00	316.50-384.50	-	-	-	-	-	2	6	32	24	63	77	59	84	48	19	48	5	-	-	-	-	
MANUFACTURING.....	364	40.0	353.00	355.00	310.00-390.50	-	-	-	-	-	2	5	31	23	52	34	51	60	36	19	48	3	-	-	-	-	
DRAFTERS, CLASS B.....	583	40.0	290.50	293.50	254.50-319.50	-	-	2	15	22	34	87	74	121	90	67	24	14	7	19	7	-	-	-	-	-	
MANUFACTURING.....	342	39.5	287.50	282.00	251.00-320.00	-	-	-	14	21	21	57	55	60	29	34	15	12	6	16	2	-	-	-	-	-	
NONMANUFACTURING.....	241	40.0	298.50	299.00	276.00-301.50	-	-	2	1	1	13	30	19	61	61	33	9	2	1	3	5	-	-	-	-	-	
DRAFTERS, CLASS C.....	229	40.0	236.00	221.50	195.50-264.00	-	7	21	32	39	42	20	28	10	9	6	6	3	6	-	-	-	-	-	-	-	
MANUFACTURING.....	152	40.0	243.50	230.00	207.00-268.00	-	6	12	11	27	35	4	23	7	8	4	6	3	6	-	-	-	-	-	-	-	
NONMANUFACTURING.....	77	40.0	220.50	207.00	195.50-241.50	-	1	9	21	12	7	16	5	3	1	2	-	-	-	-	-	-	-	-	-	-	
ELECTRONICS TECHNICIANS.....	560	39.5	298.00	291.50	252.00-326.50	-	-	-	-	11	78	100	64	54	89	47	57	8	18	2	-	32	-	-	-	-	
MANUFACTURING.....	340	40.0	291.50	281.00	252.00-316.00	-	-	-	-	11	42	75	40	45	47	40	13	2	-	2	-	23	-	-	-	-	
ELECTRONICS TECHNICIANS, CLASS A.....	259	39.0	321.50	311.00	278.00-346.50	-	-	-	-	-	12	43	12	23	55	19	50	7	18	2	-	18	-	-	-	-	
MANUFACTURING.....	114	40.0	299.00	283.00	257.50-323.50	-	-	-	-	-	12	36	6	17	13	12	6	1	-	2	-	9	-	-	-	-	
ELECTRONICS TECHNICIANS, CLASS B.....	174	39.5	304.50	294.00	269.00-325.00	-	-	-	-	2	6	17	39	30	32	28	7	1	-	-	-	14	-	-	-	-	
MANUFACTURING.....	149	40.0	310.50	301.00	271.50-326.50	-	-	-	-	2	6	11	21	27	32	28	7	1	-	-	-	14	-	-	-	-	
ELECTRONICS TECHNICIANS, CLASS C.....	125	40.0	240.00	237.00	227.00-249.50	-	-	-	-	9	60	40	13	1	2	-	-	-	-	-	-	-	-	-	-	-	
REGISTERED INDUSTRIAL NURSES.....	169	40.0	331.00	322.00	286.00-370.50	-	-	-	-	-	4	7	25	31	16	21	10	22	9	9	10	4	-	-	1	-	
MANUFACTURING.....	151	40.0	332.50	320.00	286.00-370.50	-	-	-	-	-	3	6	23	30	15	15	6	20	9	9	10	4	-	-	1	-	

See footnotes at end of tables.

Table A-3. Average weekly earnings of office, professional, and technical workers, by sex, Cleveland, Ohio, September 1979

Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)		Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)		Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)	
		Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)
OFFICE OCCUPATIONS - MEN				OFFICE OCCUPATIONS - WOMEN--CONTINUED				OFFICE OCCUPATIONS - WOMEN--CONTINUED			
MESSENGERS.....	262	39.0	\$170.00	SECRETARIES--CONTINUED				FILE CLERKS--CONTINUED			
MANUFACTURING.....	58	39.0	187.50	SECRETARIES, CLASS D.....	1,140	39.0	\$216.50	FILE CLERKS, CLASS B.....	305	37.5	\$152.50
NONMANUFACTURING.....	204	39.0	165.50	MANUFACTURING.....	529	39.0	234.00	MANUFACTURING.....	83	39.0	180.00
FINANCE.....	108	38.5	156.50	NONMANUFACTURING.....	611	38.5	201.50	NONMANUFACTURING.....	222	37.0	142.50
ORDER CLERKS.....	318	39.5	234.50	PUBLIC UTILITIES.....	72	39.0	244.00	FINANCE.....	172	36.0	141.00
MANUFACTURING.....	51	39.5	290.00	WHOLESALE TRADE.....	101	39.0	205.00	FILE CLERKS, CLASS C.....	274	39.0	140.00
NONMANUFACTURING.....	267	39.5	224.00	RETAIL TRADE.....	58	40.0	189.50	NONMANUFACTURING.....	250	39.0	140.00
WHOLESALE TRADE.....	267	39.5	224.00	FINANCE.....	248	38.5	208.00	WHOLESALE TRADE.....	163	40.0	142.50
ORDER CLERKS, CLASS A.....	236	39.5	245.50	SECRETARIES, CLASS E.....	424	38.5	189.00	FINANCE.....	63	36.5	132.50
NONMANUFACTURING.....	214	39.5	239.00	MANUFACTURING.....	185	39.5	205.00	MESSENGERS.....	189	38.5	151.00
WHOLESALE TRADE.....	214	39.5	239.00	NONMANUFACTURING.....	239	37.5	176.50	MANUFACTURING.....	63	39.0	163.50
ORDER CLERKS, CLASS B.....	82	40.0	204.00	FINANCE.....	166	37.5	180.50	SWITCHBOARD OPERATORS.....	373	39.5	169.00
ACCOUNTING CLERKS:				STENOGRAPHERS:				MANUFACTURING.....	105	39.5	212.00
MANUFACTURING.....	105	39.5	278.00	MANUFACTURING.....	383	39.5	227.00	NONMANUFACTURING.....	268	39.0	152.00
ACCOUNTING CLERKS, CLASS A:				FINANCE.....	53	39.0	169.50	SERVICES.....	151	39.0	131.50
MANUFACTURING.....	71	39.5	315.50	STENOGRAPHERS, SENIOR:				SWITCHBOARD OPERATOR-			
OFFICE OCCUPATIONS - WOMEN				MANUFACTURING.....	202	39.5	228.00	RECEPTIONISTS.....	621	39.0	169.00
SECRETARIES.....	3,839	39.0	240.00	STENOGRAPHERS, GENERAL.....	289	39.5	224.50	MANUFACTURING.....	268	39.5	175.50
MANUFACTURING.....	1,909	39.5	259.00	MANUFACTURING.....	181	39.0	225.50	NONMANUFACTURING.....	353	38.5	164.50
NONMANUFACTURING.....	1,930	38.5	221.50	TRANSCRIBING-MACHINE TYPISTS.....	226	39.0	170.50	WHOLESALE TRADE.....	120	39.0	172.50
PUBLIC UTILITIES.....	216	39.5	274.00	MANUFACTURING.....	74	40.0	204.00	FINANCE.....	152	38.0	157.00
WHOLESALE TRADE.....	283	39.5	225.00	NONMANUFACTURING.....	152	39.0	154.00	SERVICES.....	60	38.5	164.50
RETAIL TRADE.....	203	39.5	211.50	FINANCE.....	51	36.5	156.50	ORDER CLERKS.....	528	39.5	199.00
FINANCE.....	810	38.0	219.50	TYPISTS.....	2,123	39.0	171.00	MANUFACTURING.....	253	39.5	206.50
SERVICES.....	418	37.5	203.00	MANUFACTURING.....	611	39.5	187.00	NONMANUFACTURING.....	275	40.0	192.50
SECRETARIES, CLASS A.....	264	39.0	303.50	FINANCE.....	555	37.0	161.50	WHOLESALE TRADE.....	210	40.0	198.00
MANUFACTURING.....	182	39.0	311.00	SERVICES.....	213	38.5	170.00	ORDER CLERKS, CLASS A.....	122	39.5	230.50
NONMANUFACTURING.....	82	39.0	286.00	TYPISTS, CLASS A:				MANUFACTURING.....	84	39.0	233.50
SECRETARIES, CLASS B.....	821	39.0	266.50	MANUFACTURING.....	273	39.5	203.00	ORDER CLERKS, CLASS B.....	406	39.5	189.50
MANUFACTURING.....	399	39.0	285.00	FINANCE.....	275	37.5	175.00	MANUFACTURING.....	169	39.5	193.00
NONMANUFACTURING.....	422	38.5	248.50	SERVICES.....	115	38.5	178.00	NONMANUFACTURING.....	237	40.0	187.50
PUBLIC UTILITIES.....	52	40.0	309.50	TYPISTS, CLASS B.....	1,378	39.0	162.00	WHOLESALE TRADE.....	172	40.0	192.00
WHOLESALE TRADE.....	51	40.0	269.50	MANUFACTURING.....	338	39.5	174.00	ACCOUNTING CLERKS.....	2,872	39.0	200.50
RETAIL TRADE.....	50	39.5	236.00	FINANCE.....	280	37.0	148.00	MANUFACTURING.....	1,300	39.5	213.50
FINANCE.....	149	38.0	256.00	FILE CLERKS.....	626	38.0	150.00	NONMANUFACTURING.....	1,572	39.0	190.00
SECRETARIES, CLASS C.....	1,165	39.0	249.50	MANUFACTURING.....	117	39.0	176.50	WHOLESALE TRADE.....	597	39.5	177.50
MANUFACTURING.....	675	39.5	264.50	NONMANUFACTURING.....	509	38.0	143.50	RETAIL TRADE.....	296	39.0	173.00
NONMANUFACTURING.....	569	38.5	233.00	WHOLESALE TRADE.....	186	40.0	144.00	FINANCE.....	324	37.5	189.00
PUBLIC UTILITIES.....	74	39.5	263.00	FINANCE.....	266	36.5	142.00	SERVICES.....	194	39.0	193.00
WHOLESALE TRADE.....	118	39.5	223.00					ACCOUNTING CLERKS, CLASS A.....	1,110	39.0	228.00
RETAIL TRADE.....	76	39.5	203.00					MANUFACTURING.....	624	39.5	235.00
FINANCE.....	219	38.0	234.50					WHOLESALE TRADE.....	75	39.5	208.00
								RETAIL TRADE.....	82	39.0	194.00
								FINANCE.....	168	37.5	206.00
								SERVICES.....	75	38.5	215.50

See footnotes at end of tables.

Table A-3. Average weekly earnings of office, professional, and technical workers, by sex, Cleveland, Ohio, September 1979—Continued

Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)		Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)		Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)	
		Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)
OFFICE OCCUPATIONS - WOMEN--CONTINUED				PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN				PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN--CONTINUED			
ACCOUNTING CLERKS--CONTINUED				COMPUTER SYSTEMS ANALYSTS (BUSINESS):				DRAFTERS--CONTINUED			
ACCOUNTING CLERKS, CLASS B.....	1,762	39.0	\$183.50	MANUFACTURING.....	290	39.5	\$460.00	DRAFTERS, CLASS A.....	431	40.0	\$346.00
MANUFACTURING.....	676	39.5	193.50	FINANCE.....	85	38.5	380.50	MANUFACTURING.....	328	40.0	346.00
NONMANUFACTURING.....	1,086	39.0	177.00	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A.....	240	39.0	483.00	DRAFTERS, CLASS B.....	463	39.5	289.50
WHOLESALE TRADE.....	522	39.5	173.00	MANUFACTURING.....	168	39.5	495.00	MANUFACTURING.....	297	39.5	286.50
RETAIL TRADE.....	214	39.0	165.00	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B:	104	39.5	418.50	DRAFTERS, CLASS C.....	220	40.0	234.00
FINANCE.....	156	37.0	170.50	MANUFACTURING.....	57	39.0	345.00	MANUFACTURING.....	146	40.0	242.50
SERVICES.....	119	39.0	179.50	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS C.....	57	39.0	345.00	NONMANUFACTURING.....	74	40.0	217.50
BOOKKEEPING-MACHINE OPERATORS.....	136	38.5	174.00	COMPUTER PROGRAMMERS (BUSINESS):	328	39.5	361.50	ELECTRONICS TECHNICIANS.....	536	39.5	300.00
MANUFACTURING.....	67	39.0	179.50	MANUFACTURING.....	84	39.5	286.50	MANUFACTURING.....	316	40.0	295.00
NONMANUFACTURING.....	69	38.5	169.00	WHOLESALE TRADE.....	84	39.5	286.50	ELECTRONICS TECHNICIANS, CLASS A.....	259	39.0	321.50
BOOKKEEPING-MACHINE OPERATORS, CLASS B.....	103	38.5	169.00	FINANCE.....	125	37.5	329.00	MANUFACTURING.....	114	40.0	299.00
MANUFACTURING.....	58	39.0	181.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS A.....	211	39.0	398.50	ELECTRONICS TECHNICIANS, CLASS B.....	171	39.5	306.00
MACHINE-BILLERS.....	75	40.0	197.50	MANUFACTURING.....	137	39.5	401.00	MANUFACTURING.....	144	40.0	312.50
MANUFACTURING.....	52	39.5	212.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS B:	150	40.0	336.00	ELECTRONICS TECHNICIANS, CLASS C.....	106	40.0	239.00
PAYROLL CLERKS.....	549	39.5	211.00	MANUFACTURING.....	52	37.5	335.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS B:	133	39.5	328.50
MANUFACTURING.....	335	39.5	218.50	COMPUTER PROGRAMMERS (BUSINESS), CLASS C.....	105	39.0	286.00	MANUFACTURING.....	60	39.5	313.50
NONMANUFACTURING.....	214	39.5	199.00	NONMANUFACTURING.....	64	38.5	263.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS C.....	76	39.0	274.50
WHOLESALE TRADE.....	67	40.0	165.50	COMPUTER OPERATORS:	292	39.5	281.50	MANUFACTURING.....	94	39.5	244.50
KEY ENTRY OPERATORS.....	1,473	39.5	199.50	MANUFACTURING.....	108	39.5	210.00	FINANCE.....	51	39.0	181.00
MANUFACTURING.....	657	39.5	213.50	WHOLESALE TRADE.....	122	38.5	219.50	COMPUTER OPERATORS, CLASS A.....	167	39.5	290.00
NONMANUFACTURING.....	816	39.0	188.50	FINANCE.....	73	39.0	285.50	MANUFACTURING.....	94	39.5	293.50
WHOLESALE TRADE.....	319	39.5	180.00	COMPUTER OPERATORS, CLASS B.....	280	39.5	268.00	MANUFACTURING.....	56	39.5	251.00
RETAIL TRADE.....	99	39.0	167.00	MANUFACTURING.....	162	39.5	295.00	NONMANUFACTURING.....	75	39.0	229.00
FINANCE.....	210	37.5	169.50	NONMANUFACTURING.....	118	39.0	231.00	REGISTERED INDUSTRIAL NURSES.....	161	40.0	329.00
SERVICES.....	50	39.5	187.50	DRAFTERS.....	1,148	40.0	297.00	MANUFACTURING.....	150	40.0	331.00
KEY ENTRY OPERATORS, CLASS A.....	658	39.5	219.50	MANUFACTURING.....	803	40.0	298.50				
MANUFACTURING.....	368	40.0	223.00								
NONMANUFACTURING.....	290	39.0	214.50								
PUBLIC UTILITIES.....	82	40.0	269.50								
WHOLESALE TRADE.....	85	39.0	204.00								
FINANCE.....	82	37.5	187.50								
KEY ENTRY OPERATORS, CLASS B.....	815	39.5	183.50								
MANUFACTURING.....	289	39.5	201.00								
NONMANUFACTURING.....	526	39.0	174.00								
WHOLESALE TRADE.....	234	39.5	171.50								
RETAIL TRADE.....	60	39.5	158.00								
FINANCE.....	128	37.5	158.00								

See footnotes at end of tables.

Table A-4. Hourly earnings of maintenance, toolroom, and powerplant workers, Cleveland, Ohio, September 1979

Occupation and industry division	Number of workers	Hourly earnings ¹			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS (IN DOLLARS) OF--																									
		Mean ²	Median ²	Middle range ²	5.00	5.20	5.40	5.60	5.80	6.20	6.60	7.00	7.40	7.80	8.20	8.60	9.00	9.40	9.80	10.20	10.60	11.00	11.40	11.80	12.20	12.60	AND OVER			
					UNDER 5.00	AND 5.00 UNDER	5.20	5.40	5.60	5.80	6.20	6.60	7.00	7.40	7.80	8.20	8.60	9.00	9.40	9.80	10.20	10.60	11.00	11.40	11.80	12.20	12.60	AND OVER		
MAINTENANCE CARPENTERS.....	251	\$9.97	\$10.30	\$8.02-\$11.43	-	-	2	-	-	-	-	-	11	3	26	9	25	18	3	1	14	9	25	35	5	18	9	-	*38	
MANUFACTURING.....	177	9.50	10.05	8.02- 10.90	-	-	-	-	-	-	-	-	10	3	5	9	25	15	3	1	14	8	25	34	4	16	4	-	1	
NONMANUFACTURING.....	74	11.09	12.91	7.10- 13.87	-	-	2	-	-	-	-	-	1	-	21	-	-	3	-	-	-	1	-	1	1	2	5	-	37	
MAINTENANCE ELECTRICIANS.....	1,900	9.98	10.70	8.61- 11.29	-	-	-	-	-	-	-	-	7	56	63	54	101	86	103	102	66	72	141	18	161	705	21	78	50	16
MANUFACTURING.....	1,783	10.00	10.90	8.59- 11.29	-	-	-	-	-	-	-	-	7	56	63	54	190	72	103	102	64	66	55	18	158	703	21	78	48	15
MAINTENANCE PAINTERS.....	307	9.80	9.56	9.56- 10.85	-	-	-	-	-	-	-	-	3	4	-	7	6	13	2	2	-	165	8	5	78	1	3	2	1	7
MANUFACTURING.....	131	9.99	10.85	9.58- 10.86	-	-	-	-	-	-	-	-	3	4	-	3	6	13	2	-	-	8	5	5	78	-	-	1	1	2
MAINTENANCE MACHINISTS.....	550	8.76	8.83	7.56- 9.17	-	-	-	-	-	-	-	-	7	36	13	74	13	59	45	79	103	-	6	57	8	12	26	8	2	2
MANUFACTURING.....	541	8.77	8.83	7.50- 9.17	-	-	-	-	-	-	-	-	7	36	13	74	13	52	45	77	103	-	6	57	8	12	26	8	2	2
MAINTENANCE MECHANICS (MACHINERY)...	3,088	9.69	10.63	7.96- 11.16	-	-	-	-	10	67	79	121	183	193	181	174	102	55	251	38	36	280	1103	54	106	17	38	-	-	38
MANUFACTURING.....	2,774	9.68	10.63	7.94- 11.17	-	-	-	-	2	67	77	119	179	190	172	168	66	52	122	25	33	280	1007	54	106	17	38	-	-	38
NONMANUFACTURING.....	314	9.78	9.79	9.69- 11.13	-	-	-	-	8	-	2	2	4	3	9	6	36	3	129	13	3	-	96	-	-	-	-	-	-	-
PUBLIC UTILITIES.....	237	10.31	9.79	9.79- 11.13	-	-	-	-	-	-	-	-	-	-	-	-	4	-	129	8	-	-	96	-	-	-	-	-	-	-
MAINTENANCE MECHANICS (MOTOR VEHICLES).....	847	9.36	9.38	8.13- 10.94	-	-	-	1	-	56	20	7	3	36	106	44	52	117	60	45	15	167	61	57	-	-	-	-	-	-
MANUFACTURING.....	360	9.90	10.90	8.33- 10.94	-	-	-	1	-	-	19	3	2	22	31	32	3	4	6	25	2	167	17	26	-	-	-	-	-	-
NONMANUFACTURING.....	487	8.97	9.24	8.00- 9.78	-	-	-	-	-	56	1	4	1	14	75	12	49	143	54	20	13	-	44	31	-	-	-	-	-	-
PUBLIC UTILITIES.....	272	9.45	9.38	8.00- 11.04	-	-	-	-	-	14	-	-	-	-	58	-	26	53	46	-	-	-	44	31	-	-	-	-	-	-
MAINTENANCE PIPEFITTERS.....	698	10.06	10.90	9.49- 10.94	-	-	-	-	-	-	48	8	1	22	31	5	15	36	34	34	10	401	34	19	-	-	-	-	-	-
MANUFACTURING.....	698	10.06	10.90	9.49- 10.94	-	-	-	-	-	-	48	8	1	22	31	5	15	36	34	34	10	401	34	19	-	-	-	-	-	-
MAINTENANCE SHEET-METAL WORKERS.....	231	9.88	10.90	8.99- 10.94	-	-	-	-	-	-	-	50	-	-	1	1	9	-	7	1	-	162	-	-	-	-	-	-	-	-
MANUFACTURING.....	181	10.74	10.94	10.90- 10.94	-	-	-	-	-	-	-	-	-	-	1	1	9	-	7	1	-	162	-	-	-	-	-	-	-	-
MILLWRIGHTS.....	1,100	10.31	10.90	10.14- 10.94	-	-	-	-	-	-	30	3	16	9	24	48	25	17	76	46	57	726	20	3	-	-	-	-	-	-
MANUFACTURING.....	1,100	10.31	10.90	10.14- 10.94	-	-	-	-	-	-	30	3	16	9	24	48	25	17	76	46	57	726	20	3	-	-	-	-	-	-
MAINTENANCE TRADES HELPERS.....	298	7.73	7.56	6.00- 9.05	19	19	-	-	17	22	7	26	25	26	-	3	48	19	30	33	2	-	1	1	-	-	-	-	-	-
MANUFACTURING.....	287	7.79	7.56	6.24- 9.05	19	19	-	-	17	12	7	26	25	25	-	3	48	19	30	33	2	-	1	1	-	-	-	-	-	-
MACHINE-TOOL OPERATORS (TOOLROOM)...	769	9.51	9.67	8.30- 11.00	-	-	-	-	-	12	10	28	23	52	56	74	44	73	24	32	23	107	211	-	-	-	-	-	-	-
MANUFACTURING.....	769	9.51	9.67	8.30- 11.00	-	-	-	-	-	12	10	28	23	52	56	74	44	73	24	32	23	107	211	-	-	-	-	-	-	-
TOOL AND DIE MAKERS.....	1,810	9.87	10.32	8.52- 11.17	-	-	-	-	-	-	-	46	35	104	93	190	187	41	50	155	32	72	802	3	-	-	-	-	-	-
MANUFACTURING.....	1,804	9.87	10.41	8.52- 11.17	-	-	-	-	-	-	-	46	35	104	93	190	181	41	50	155	32	72	802	3	-	-	-	-	-	-
STATIONARY ENGINEERS.....	236	9.33	9.60	8.25- 10.79	-	-	-	9	4	6	4	1	6	9	13	30	8	5	53	10	9	32	15	12	3	3	4	-	-	4
MANUFACTURING.....	184	9.47	9.74	8.25- 10.90	-	-	-	9	-	6	3	-	3	7	12	25	8	5	18	10	9	32	15	12	3	3	4	-	-	4
NONMANUFACTURING.....	52	8.81	9.60	8.30- 9.60	-	-	-	4	-	-	1	1	3	2	1	5	-	-	35	-	-	-	-	-	-	-	-	-	-	-
BOILER TENDERS.....	185	8.12	8.10	6.34- 9.43	-	-	-	-	35	-	25	4	19	3	8	18	11	12	12	6	-	8	24	-	-	-	-	-	-	-
MANUFACTURING.....	185	8.12	8.10	6.34- 9.43	-	-	-	-	35	-	25	4	19	3	8	18	11	12	12	6	-	8	24	-	-	-	-	-	-	-

* Workers were distributed as follows: 1 at \$13.40 to \$13.80; 35 at \$13.80 to \$14.20; and 2 at \$14.20 to \$14.60.

See footnotes at end of tables.

Table A-5. Hourly earnings of material movement and custodial workers, Cleveland, Ohio, September 1979

Occupation and industry division	Number of workers	Hourly earnings ¹			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS (IN DOLLARS) OF--																							
		Mean ²	Median ²	Middle range ²	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.40	4.80	5.20	5.60	6.00	6.40	6.80	7.20	7.60	8.00	8.40	8.80	9.20	9.60	10.00	10.40	
					AND UNDER	3.00	3.20	3.40	3.60	3.80	4.00	4.40	4.80	5.20	5.60	6.00	6.40	6.80	7.20	7.60	8.00	8.40	8.80	9.20	9.60	10.00	10.40	AND OVER
TRUCKDRIVERS.....	2,175	\$8.38	\$8.69	\$6.97-\$10.28	-	-	9	2	5	-	24	31	93	43	37	118	83	156	39	39	306	150	260	157	27	582	14	
MANUFACTURING.....	695	8.15	8.85	6.85- 9.22	-	-	-	2	-	-	-	1	24	30	30	11	48	72	17	35	68	9	167	95	27	45	14	
NONMANUFACTURING.....	1,480	8.49	8.69	7.14- 10.28	-	-	9	-	5	-	24	30	69	13	7	107	35	84	22	4	238	141	93	62	-	537	-	
WHOLESALE TRADE.....	403	7.48	8.34	6.39- 8.80	-	-	-	-	5	-	24	7	40	-	-	48	-	59	6	1	104	2	72	-	-	35	-	
RETAIL TRADE.....	212	8.29	8.22	8.22- 9.35	-	-	-	-	-	-	-	7	-	-	6	-	-	8	16	-	93	20	-	62	-	-	-	
SERVICES.....	233	6.98	6.13	5.50- 8.69	-	-	9	-	-	-	-	16	29	11	-	56	-	-	-	-	-	112	-	-	-	-	-	
TRUCKDRIVERS, LIGHT TRUCK.....	307	6.36	6.13	5.00- 8.13	-	-	9	2	5	-	10	23	37	31	14	59	8	5	4	9	64	17	3	7	-	-	-	
MANUFACTURING.....	118	7.40	8.13	5.78- 8.13	-	-	-	2	-	-	-	-	3	20	8	-	3	2	4	7	50	9	3	7	-	-	-	
NONMANUFACTURING.....	189	5.71	5.75	5.00- 6.13	-	-	9	-	5	-	10	23	34	11	6	59	5	3	-	2	14	8	-	-	-	-	-	
SERVICES.....	121	5.40	5.50	5.00- 6.13	-	-	9	-	-	-	-	16	29	11	-	56	-	-	-	-	-	-	-	-	-	-	-	
TRUCKDRIVERS, MEDIUM TRUCK.....	688	8.76	8.89	7.74- 10.28	-	-	-	-	-	-	14	7	7	9	3	57	19	32	14	13	150	1	21	26	-	315	-	
MANUFACTURING.....	130	7.63	7.54	6.65- 8.89	-	-	-	-	-	-	-	-	-	9	3	9	19	17	8	13	10	-	19	23	-	-	-	
NONMANUFACTURING.....	558	9.02	10.28	8.22- 10.28	-	-	-	-	-	-	14	7	7	-	-	48	-	15	6	-	140	1	2	3	-	315	-	
WHOLESALE TRADE.....	144	6.94	6.39	6.39- 8.34	-	-	-	-	-	-	14	7	7	-	-	48	-	1	-	-	65	-	2	-	-	-	-	
RETAIL TRADE.....	85	8.19	8.22	8.22- 8.22	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	75	1	-	3	-	-	-	
TRUCKDRIVERS, HEAVY TRUCK.....	178	7.53	8.18	5.03- 9.35	-	-	-	-	-	-	-	-	49	2	1	-	19	-	-	10	36	-	1	48	1	10	1	
MANUFACTURING.....	101	7.79	8.94	6.44- 9.40	-	-	-	-	-	-	-	-	21	-	-	-	19	-	-	9	1	-	1	48	1	-	1	
TRUCKDRIVERS, TRACTOR-TRAILER.....	929	9.02	9.10	8.69- 10.12	-	-	-	-	-	-	-	1	-	1	19	2	7	136	5	7	56	132	235	62	26	257	13	
MANUFACTURING.....	327	8.72	9.13	7.46- 9.41	-	-	-	-	-	-	-	1	-	1	19	2	7	48	5	6	7	-	144	3	26	45	13	
NONMANUFACTURING.....	602	9.19	9.07	8.69- 10.38	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	1	49	132	91	59	-	212	-	
WHOLESALE TRADE.....	198	8.44	8.45	6.97- 9.07	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	1	39	2	70	-	-	28	-	
SHIPPERS.....	301	6.71	6.49	5.40- 8.04	-	1	-	-	14	-	2	3	32	33	30	25	37	17	27	3	9	15	22	29	2	-	-	
MANUFACTURING.....	193	7.18	7.06	5.90- 8.81	-	1	-	-	-	-	1	3	13	27	9	19	14	16	17	3	7	13	20	29	1	-	-	
NONMANUFACTURING.....	108	5.86	5.90	4.99- 6.70	-	-	-	-	14	-	1	-	19	6	21	6	23	1	10	-	2	2	2	-	1	-	-	
WHOLESALE TRADE.....	98	5.69	5.90	4.95- 6.49	-	-	-	-	14	-	-	-	19	6	20	6	23	1	8	-	-	-	-	-	1	-	-	
RECEIVERS.....	381	6.30	6.13	4.95- 7.72	-	1	7	10	18	8	10	22	51	38	17	33	25	32	11	3	18	17	15	44	1	-	-	
MANUFACTURING.....	196	7.35	7.14	6.13- 8.88	-	1	-	-	1	1	1	2	9	18	12	20	13	22	8	3	15	15	40	-	-	-	-	
NONMANUFACTURING.....	185	5.18	4.95	4.00- 6.08	-	-	7	10	17	7	9	20	42	20	5	13	12	10	3	-	3	2	-	8	1	-	-	
WHOLESALE TRADE.....	84	5.17	5.03	4.50- 5.45	-	-	7	-	7	-	-	14	20	18	-	-	10	6	1	-	-	-	-	1	-	-	-	
RETAIL TRADE.....	55	5.16	5.00	4.00- 6.25	-	-	-	2	8	-	8	6	6	2	5	13	-	2	-	-	3	-	-	-	-	-	-	
SHIPPERS AND RECEIVERS.....	396	6.96	6.30	6.11- 7.55	-	-	-	-	-	-	-	8	-	3	64	135	32	5	61	9	17	13	10	10	29	-	-	
MANUFACTURING.....	183	7.34	7.36	6.32- 8.18	-	-	-	-	-	-	-	1	-	3	10	33	32	5	33	9	17	13	10	10	7	-	-	
WHOLESALE TRADE.....	64	6.58	6.25	6.01- 7.55	-	-	-	-	-	-	-	7	-	-	6	22	-	-	28	-	-	-	-	-	1	-	-	
WAREHOUSEMEN.....	1,333	6.83	6.82	6.25- 7.40	-	6	5	6	-	-	11	29	66	34	23	282	178	204	205	155	49	1	37	12	30	-	-	
MANUFACTURING.....	501	6.87	7.22	6.01- 7.88	-	-	1	-	-	-	2	14	54	28	21	39	37	52	92	132	6	-	13	10	-	-	-	
NONMANUFACTURING.....	832	6.81	6.49	6.25- 7.40	-	6	4	6	-	-	9	15	12	6	2	243	141	152	113	23	43	1	24	2	30	-	-	
PUBLIC UTILITIES.....	59	8.86	9.66	7.92- 9.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	23	2	-	-	2	30	-	-	
WHOLESALE TRADE.....	619	6.71	6.49	6.12- 7.00	-	-	-	-	-	-	6	12	12	6	-	156	141	150	111	-	-	1	24	-	-	-	-	
RETAIL TRADE.....	146	6.49	6.25	6.25- 8.25	-	6	4	6	-	-	-	-	-	-	2	85	-	2	-	-	41	-	-	-	-	-	-	

See footnotes at end of tables.

Table A-5. Hourly earnings of material movement and custodial workers, Cleveland, Ohio, September 1979—Continued

Occupation and industry division	Number of workers	Hourly earnings ⁴			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS (IN DOLLARS) OF--																							
		Mean ²	Median ²	Middle range ²	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.40	4.80	5.20	5.60	6.00	6.40	6.80	7.20	7.60	8.00	8.40	8.80	9.20	9.60	10.00	10.40	AND OVER
					AND UNDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORDER FILLERS.....	1,896	\$6.13	\$5.74	\$5.01- 5.76	-	1	53	56	140	42	-	30	45	240	277	161	181	112	1	62	65	30	189	134	60	8	4	5
MANUFACTURING.....	668	6.81	6.37	5.59- 8.69	-	1	-	2	1	31	-	5	12	86	82	27	99	31	1	62	4	4	74	131	5	1	4	5
NONMANUFACTURING.....	1,228	5.76	5.26	4.70- 6.49	-	-	53	54	139	11	-	25	33	154	195	134	82	81	-	-	61	26	115	3	55	7	-	
WHOLESALE TRADE.....	1,080	5.40	5.26	4.33- 6.31	-	-	53	54	139	7	-	25	33	154	193	133	82	81	-	-	60	-	4	-	55	7	-	
SHIPPING PACKERS.....	1,853	5.85	5.70	5.05- 6.49	2	2	10	6	51	6	76	176	345	236	297	125	117	27	232	18	8	11	90	13	5	-	-	
MANUFACTURING.....	924	6.48	6.19	5.46- 7.32	-	-	-	1	-	4	-	20	62	115	40	164	106	46	27	203	9	8	11	90	13	5	-	
NONMANUFACTURING.....	929	5.22	5.05	4.72- 5.75	2	2	10	5	51	2	56	114	230	196	133	19	71	-	29	9	-	-	-	-	-	-	-	
WHOLESALE TRADE.....	528	5.23	5.05	4.72- 5.75	-	-	7	-	49	-	55	34	230	20	5	19	71	-	29	9	-	-	-	-	-	-	-	
MATERIAL HANDLING LABORERS.....	2,344	7.34	7.52	5.90- 8.95	-	1	1	7	7	13	31	25	149	280	126	194	122	152	88	52	90	238	746	8	-	-	14	
MANUFACTURING.....	1,731	7.56	8.07	6.06- 9.05	-	-	1	1	1	13	21	18	144	112	98	146	53	120	56	26	68	89	742	8	-	-	14	
NONMANUFACTURING.....	613	6.71	6.51	5.26- 8.32	-	-	-	6	6	-	10	7	5	168	28	48	69	32	32	26	22	149	4	-	-	-	-	
WHOLESALE TRADE.....	290	5.94	5.26	5.26- 6.51	-	-	-	-	-	-	-	-	-	2	154	25	3	44	28	32	2	-	-	-	-	-	-	
RETAIL TRADE.....	247	7.91	8.54	7.94- 8.67	-	1	-	6	2	-	3	-	2	6	3	11	14	-	24	22	149	4	-	-	-	-	-	
FORKLIFT OPERATORS.....	3,287	7.53	7.74	5.93- 9.13	-	-	-	-	-	1	1	125	214	189	297	272	149	100	214	191	138	187	991	141	3	30	44	
MANUFACTURING.....	2,857	7.56	7.77	5.84- 9.13	-	-	-	-	-	1	1	125	214	111	296	212	133	99	172	134	107	50	984	141	3	30	44	
NONMANUFACTURING.....	430	7.35	7.62	6.22- 8.70	-	-	-	-	-	-	-	-	-	-	78	1	60	16	1	42	57	31	137	7	-	-	-	
WHOLESALE TRADE.....	240	6.43	6.22	5.25- 7.40	-	-	-	-	-	-	-	-	-	-	78	1	60	5	-	40	56	-	-	-	-	-	-	
POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT).....	498	8.29	8.12	7.47- 9.08	-	-	-	-	-	-	-	-	-	-	24	30	15	4	156	19	16	90	60	12	2	12	58	
MANUFACTURING.....	320	8.85	8.64	8.12- 9.31	-	-	-	-	-	-	-	-	-	-	24	23	-	4	-	19	16	90	60	12	2	12	58	
GUARDS.....	3,945	4.17	3.15	3.00- 4.75	233	1753	432	93	44	70	236	99	262	59	38	63	73	75	31	46	7	73	151	107	-	-	-	
MANUFACTURING.....	766	7.33	7.81	5.59- 9.02	-	-	-	2	1	-	51	36	68	37	15	26	52	67	27	46	7	73	151	107	-	-	-	
NONMANUFACTURING.....	3,179	3.41	3.10	3.00- 3.30	233	1753	432	91	43	70	185	63	194	22	23	37	21	8	4	-	-	-	-	-	-	-	-	
RETAIL TRADE.....	70	4.14	4.00	3.26- 4.71	14	1	4	4	9	1	15	5	6	4	-	-	6	1	-	-	-	-	-	-	-	-	-	
FINANCE.....	284	5.35	4.95	4.95- 5.88	-	-	-	-	-	1	7	9	171	11	22	37	15	7	4	-	-	-	-	-	-	-	-	
SERVICES.....	2,825	3.20	3.05	3.00- 3.20	219	1752	428	87	34	68	163	49	17	7	1	-	-	-	-	-	-	-	-	-	-	-	-	
GUARDS, CLASS A.....	568	5.98	5.56	4.44- 7.84	-	-	5	34	13	3	82	65	64	22	23	52	42	8	6	17	7	57	64	4	-	-	-	
MANUFACTURING.....	293	6.94	7.84	5.13- 8.79	-	-	-	-	-	-	49	15	32	7	-	15	21	3	2	17	7	57	64	4	-	-	-	
NONMANUFACTURING.....	275	4.96	4.75	4.05- 5.96	-	-	5	34	13	3	33	50	32	15	23	37	21	5	4	-	-	-	-	-	-	-	-	
FINANCE.....	126	5.79	5.93	5.18- 6.29	-	-	-	-	-	1	7	9	16	11	22	37	15	4	4	-	-	-	-	-	-	-	-	
GUARDS, CLASS B.....	3,377	3.87	3.15	3.00- 3.80	233	1753	427	59	31	67	154	34	198	37	15	11	31	67	25	29	-	16	87	103	-	-	-	
MANUFACTURING.....	473	7.57	7.55	6.44- 9.10	-	-	-	2	1	-	2	21	36	30	15	11	31	64	25	29	-	16	87	103	-	-	-	
NONMANUFACTURING.....	2,904	3.26	3.05	3.00- 3.25	233	1753	427	57	30	67	152	13	162	7	-	-	3	-	-	-	-	-	-	-	-	-	-	
SERVICES.....	2,712	3.16	3.00	3.00- 3.20	219	1752	423	53	28	67	146	12	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
JANITORS, PORTERS, AND CLEANERS.....	6,358	5.04	4.54	4.54- 5.52	161	369	174	157	133	106	356	2915	234	218	361	126	177	34	113	66	93	420	133	12	-	-	-	
MANUFACTURING.....	1,721	6.81	6.66	5.44- 8.74	4	7	30	7	30	12	45	57	189	87	211	87	136	34	99	57	78	420	119	12	-	-	-	
NONMANUFACTURING.....	4,637	4.39	4.54	4.19- 4.57	157	362	144	150	103	94	311	2858	45	131	150	39	41	-	14	9	15	-	14	-	-	-	-	
WHOLESALE TRADE.....	76	4.72	4.50	4.00- 4.75	-	-	5	10	-	-	20	25	-	-	3	-	-	-	13	-	-	-	-	-	-	-	-	
RETAIL TRADE.....	287	3.92	3.60	3.20- 3.95	17	51	36	37	37	47	16	7	3	11	1	4	7	-	1	6	6	-	-	-	-	-	-	
FINANCE.....	829	3.81	3.50	3.00- 4.59	138	186	63	67	22	5	69	186	35	31	6	4	17	-	-	-	-	-	-	-	-	-	-	
SERVICES.....	3,301	4.48	4.54	4.54- 4.54	2	125	40	36	44	42	205	2639	-	88	60	20	-	-	-	-	-	-	-	-	-	-	-	

* Workers were distributed as follows: 8 at \$ 10.40 to \$ 10.80; 11 at \$ 10.80 to \$ 11.20; 35 at \$ 11.20 to \$ 11.60; and 4 at \$ 12.80 and over.

See footnotes at end of tables.

Table A-6. Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, by sex, Cleveland, Ohio, September 1979

Occupation, sex, ³ and industry division	Number of workers	Average (mean ²) hourly earnings ¹	Occupation, sex, ³ and industry division	Number of workers	Average (mean ²) hourly earnings ¹	Occupation, sex, ³ and industry division	Number of workers	Average (mean ²) hourly earnings ⁴
MAINTENANCE, TOOLROOM, AND POWERPLANT OCCUPATIONS - MEN			MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MEN--CONTINUED			MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MEN--CONTINUED		
MAINTENANCE CARPENTERS.....	248	\$9.98	TRUCKDRIVERS - CONTINUED			FORKLIFT OPERATORS.....	3,149	\$7.54
MANUFACTURING.....	177	9.50	TRUCKDRIVERS, LIGHT TRUCK.....	304	\$6.36	MANUFACTURING.....	2,761	7.58
NONMANUFACTURING.....	71	11.20	MANUFACTURING.....	118	7.49	NONMANUFACTURING.....	388	7.25
MAINTENANCE ELECTRICIANS.....	1,870	9.97	NONMANUFACTURING.....	186	5.70	WHOLESALE TRADE.....	231	6.38
MANUFACTURING.....	1,753	9.99	SERVICES.....	121	5.40	POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT).....	491	8.31
MAINTENANCE PAINTERS.....	302	9.79	TRUCKDRIVERS, MEDIUM TRUCK.....	657	8.69	MANUFACTURING.....	313	8.91
MANUFACTURING.....	128	9.99	MANUFACTURING.....	126	7.59	GUARDS.....	3,566	4.20
MAINTENANCE MACHINISTS.....	550	8.76	NONMANUFACTURING.....	531	8.96	MANUFACTURING.....	721	7.29
MANUFACTURING.....	541	8.77	WHOLESALE TRADE.....	144	6.94	NONMANUFACTURING.....	2,845	3.42
MAINTENANCE MECHANICS (MACHINERY).....	3,057	9.68	RETAIL TRADE.....	85	8.19	RETAIL TRADE.....	53	4.07
MANUFACTURING.....	2,743	9.67	TRUCKDRIVERS, HEAVY TRUCK.....	178	7.53	FINANCE.....	263	5.37
NONMANUFACTURING.....	314	9.78	MANUFACTURING.....	101	7.79	SERVICES.....	2,529	3.20
PUBLIC UTILITIES.....	237	10.31	TRUCKDRIVERS, TRACTOR-TRAILER.....	924	9.02	GUARDS, CLASS A.....	503	6.01
MAINTENANCE MECHANICS (MOTOR VEHICLES).....	838	9.35	MANUFACTURING.....	327	8.72	MANUFACTURING.....	272	6.82
MANUFACTURING.....	351	9.89	NONMANUFACTURING.....	507	9.19	NONMANUFACTURING.....	231	5.05
NONMANUFACTURING.....	487	8.97	WHOLESALE TRADE.....	194	8.44	FINANCE.....	119	5.82
PUBLIC UTILITIES.....	272	9.45	SHIPPERS.....	260	6.73	GUARDS, CLASS B.....	5,067	3.90
MAINTENANCE PIPEFITTERS.....	698	10.06	MANUFACTURING.....	168	7.16	MANUFACTURING.....	449	7.58
MANUFACTURING.....	698	10.06	NONMANUFACTURING.....	92	5.95	NONMANUFACTURING.....	2,614	3.27
MAINTENANCE SHEET-METAL WORKERS.....	231	9.88	WHOLESALE TRADE.....	86	5.79	SERVICES.....	2,439	3.17
MANUFACTURING.....	181	11.74	RECEIVERS.....	319	6.38	JANITORS, PORTERS, AND CLEANERS.....	3,381	5.38
MILLWRIGHTS.....	1,078	10.31	MANUFACTURING.....	176	7.38	MANUFACTURING.....	1,353	6.93
MANUFACTURING.....	1,078	10.31	NONMANUFACTURING.....	143	5.15	NONMANUFACTURING.....	2,028	4.34
MAINTENANCE TRADES HELPERS.....	297	7.72	WHOLESALE TRADE.....	66	5.18	WHOLESALE TRADE.....	52	4.71
MANUFACTURING.....	286	7.78	SHIPPERS AND RECEIVERS.....	366	6.94	RETAIL TRADE.....	191	4.03
MACHINE-TOOL OPERATORS (TOOLROOM).....	758	9.50	MANUFACTURING.....	153	7.37	SERVICES.....	1,243	4.49
MANUFACTURING.....	758	9.50	WHOLESALE TRADE.....	64	6.58	MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - WOMEN		
TOOL AND DIE MAKERS.....	1,794	9.86	WAREHOUSEMEN.....	1,191	6.89	WAREHOUSEMEN.....	141	6.29
MANUFACTURING.....	1,788	9.87	MANUFACTURING.....	464	6.90	NONMANUFACTURING.....	194	6.24
STATIONARY ENGINEERS.....	226	9.32	NONMANUFACTURING.....	727	6.89	ORDER FILLERS: NONMANUFACTURING.....	438	5.40
MANUFACTURING.....	178	9.45	PUBLIC UTILITIES.....	57	8.78	WHOLESALE TRADE.....	434	5.42
BOILER TENDERS.....	181	8.08	WHOLESALE TRADE.....	569	6.72	SHIPPING PACKERS.....	912	5.35
MANUFACTURING.....	181	8.08	RETAIL TRADE.....	191	6.96	MANUFACTURING.....	313	5.95
MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MEN			ORDER FILLERS.....	1,157	6.17	NONMANUFACTURING.....	599	5.04
TRUCKDRIVERS.....	2,135	8.36	NONMANUFACTURING.....	790	5.96	WHOLESALE TRADE.....	361	5.02
MANUFACTURING.....	690	8.15	WHOLESALE TRADE.....	686	5.39	GUARDS.....	361	3.66
NONMANUFACTURING.....	1,445	8.46	SHIPPING PACKERS.....	924	6.28	NONMANUFACTURING.....	333	3.35
WHOLESALE TRADE.....	399	7.47	MANUFACTURING.....	594	6.69	GUARDS, CLASS B.....	314	3.53
RETAIL TRADE.....	212	8.29	NONMANUFACTURING.....	339	5.54	NONMANUFACTURING.....	293	3.18
SERVICES.....	233	6.98	WHOLESALE TRADE.....	167	5.64	JANITORS, PORTERS, AND CLEANERS.....	2,821	4.56
			MATERIAL HANDLING LABORERS.....	2,126	7.34	MANUFACTURING.....	315	6.00
			MANUFACTURING.....	1,552	7.56	NONMANUFACTURING.....	2,536	4.38
			NONMANUFACTURING.....	574	6.75	RETAIL TRADE.....	81	3.36
			WHOLESALE TRADE.....	274	5.94	FINANCE.....	329	3.85
			RETAIL TRADE.....	234	8.01	SERVICES.....	2,058	4.48

See footnotes at end of tables.

Table A-7. Percent increases in average hourly earnings for selected occupational groups, Cleveland, Ohio, for selected periods

Industry and occupational group ⁵	September 1972 to September 1973	September 1973 to September 1974	September 1974 to September 1975	September 1975 to September 1976	September 1976 to September 1977	September 1977 to September 1978	September 1978 to September 1979
All industries:							
Office clerical	5.6	8.3	8.0	7.1	7.5	7.6	8.5
Electronic data processing	(⁶)	8.7	8.4	6.8	8.7	7.5	8.4
Industrial nurses	7.5	10.4	8.9	8.0	8.1	8.2	10.5
Skilled maintenance	7.3	10.2	8.1	6.8	12.1	7.5	10.8
Unskilled plant	7.5	10.1	8.9	6.9	9.0	8.3	10.1
Manufacturing:							
Office clerical	5.5	8.5	8.3	7.7	7.0	7.8	8.5
Electronic data processing	(⁶)	8.4	7.8	7.9	6.5	7.1	8.3
Industrial nurses	7.3	10.7	9.2	8.3	8.2	8.0	11.0
Skilled maintenance	7.2	10.5	8.3	6.5	12.8	7.5	11.1
Unskilled plant	7.8	10.6	8.6	7.7	10.9	8.5	11.1
Nonmanufacturing:							
Office clerical	5.6	9.1	7.7	6.6	8.0	7.3	8.4
Electronic data processing	(⁶)	8.6	8.7	5.8	10.5	7.9	8.4
Industrial nurses	(⁶)	(⁶)	(⁸)	(⁶)	(⁸)	(⁶)	(⁶)
Unskilled plant	6.9	9.5	9.4	6.0	(⁶)	8.4	8.7

See footnotes at end of tables.

Table A-8. Average pay relationships within establishments for white-collar occupations, Cleveland, Ohio, September 1979

Occupation which equals 100	Office clerical occupation being compared—																							
	Secretaries					Stenographers		Transcribing-machine typists	Typists		File clerks		Messengers	Switch-board operators	Switch-board operator-receptionists	Order clerks		Accounting clerks		Book-keeping-machine operators, class B	Payroll clerks	Key entry operators		
	Class A	Class B	Class C	Class D	Class E	Senior	General		Class A	Class B	Class B	Class C				Class A	Class B	Class A	Class B			Class A	Class B	
SECRETARIES, CLASS A.....	100																							
SECRETARIES, CLASS B.....	117	100																						
SECRETARIES, CLASS C.....	130	116	100																					
SECRETARIES, CLASS D.....	148	127	114	100																				
SECRETARIES, CLASS E.....	157	140	121	115	100																			
STENOGRAPHERS, SENIOR.....	144	125	120	109	111	100																		
STENOGRAPHERS, GENERAL.....	158	143	129	116	109	121	100																	
TRANSCRIBING-MACHINE TYPISTS.....	158	150	147	146	117	113	(6)	100																
TYPISTS, CLASS A.....	160	142	130	121	109	103	96	(6)	100															
TYPISTS, CLASS B.....	176	152	137	124	122	123	109	103	119	100														
FILE CLERKS, CLASS B.....	167	151	150	139	117	120	104	117	116	100	100													
FILE CLERKS, CLASS C.....	210	183	154	153	133	148	125	(6)	126	121	124	100												
MESSENGERS.....	181	158	148	134	117	118	113	107	111	100	97	88	100											
SWITCHBOARD OPERATORS.....	156	139	130	120	112	108	97	84	101	88	94	72	88	100										
SWITCHBOARD OPERATOR-RECEPTIONISTS.....	157	137	134	108	110	117	104	108	100	96	91	84	91	99	100									
ORDER CLERKS, CLASS A.....	(6)	(6)	99	97	(6)	103	75	99	87	79	(6)	61	77	(6)	74	100								
ORDER CLERKS, CLASS B.....	145	135	117	110	(6)	98	94	85	101	86	86	80	81	102	92	(6)	100							
ACCOUNTING CLERKS, CLASS A.....	130	116	108	97	94	91	79	78	86	78	75	68	79	82	83	107	89	100						
ACCOUNTING CLERKS, CLASS B.....	158	139	127	116	109	102	96	98	101	94	89	84	92	104	98	126	105	120	100					
BOOKKEEPING-MACHINE OPERATORS, CLASS B.....	175	139	134	(6)	(6)	(6)	(6)	97	(6)	93	(6)	(6)	94	97	104	(6)	(6)	129	104	100				
PAYROLL CLERKS.....	185	128	112	105	94	98	88	96	90	83	77	78	82	97	89	113	94	104	90	94	100			
KEY ENTRY OPERATORS, CLASS A.....	149	131	117	108	102	100	94	89	92	80	90	73	84	96	91	115	101	110	91	93	102	100		
KEY ENTRY OPERATORS, CLASS B.....	160	143	133	120	111	117	105	97	111	98	92	87	97	107	102	143	106	123	133	100	115	118	100	
	Professional and technical occupation being compared—																							
	Computer systems analysts (business)			Computer programmers (business)			Computer operators			Drafters			Electronics technicians			Registered industrial nurses								
	Class A	Class B	Class C	Class A	Class B	Class C	Class A	Class B	Class C	Class A	Class B	Class C	Class A	Class B	Class C									
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A.....	100																							
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B.....	120	100																						
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS C.....	147	116	100																					
COMPUTER PROGRAMMERS (BUSINESS), CLASS A.....	121	99	87	100																				
COMPUTER PROGRAMMERS (BUSINESS), CLASS B.....	145	121	102	125	100																			
COMPUTER PROGRAMMERS (BUSINESS), CLASS C.....	167	142	124	144	125	100																		
COMPUTER OPERATORS, CLASS A.....	164	140	116	136	116	99	100																	
COMPUTER OPERATORS, CLASS B.....	193	156	135	156	130	112	119	100																
COMPUTER OPERATORS, CLASS C.....	221	187	168	202	155	138	144	136	100															
DRAFTERS, CLASS A.....	131	109	(6)	110	101	70	83	76	62	100														
DRAFTERS, CLASS B.....	172	151	126	143	125	84	101	90	87	121	100													
DRAFTERS, CLASS C.....	199	173	180	163	145	98	130	122	(6)	155	124	100												
ELECTRONICS TECHNICIANS, CLASS A.....	(6)	(6)	(6)	135	110	(6)	82	73	(6)	111	97	87	100											
ELECTRONICS TECHNICIANS, CLASS B.....	166	(6)	(6)	139	106	(6)	90	81	(6)	103	87	72	119	100										
ELECTRONICS TECHNICIANS, CLASS C.....	(6)	(6)	(6)	(6)	(6)	(6)	(6)	94	(6)	116	(6)	(6)	(6)	114	100									
REGISTERED INDUSTRIAL NURSES.....	165	138	122	139	114	97	98	90	77	110	97	85	113	106	85	100								

See note under table A-9 and footnote at end of tables.

Table A-9. Average pay relationships within establishments for blue-collar occupations, Cleveland, Ohio, September 1979

Occupation which equals 100	Maintenance, toolroom, and powerplant occupation being compared—															
	Carpenters	Electricians	Painters	Machinists	Mechanics		Pipefitters	Sheet-metal workers	Millwrights	Trades helpers	Machine-tool operators (toolroom)	Tool and die makers	Stationary engineers	Boiler tenders		
					Machinery	Motor vehicles										
MAINTENANCE CARPENTERS.....	101															
MAINTENANCE ELECTRICIANS.....	97	100														
MAINTENANCE PAINTERS.....	119	105	100													
MAINTENANCE MACHINISTS.....	97	100	97	100												
MAINTENANCE MECHANICS (MACHINERY).....	98	101	96	101	101											
MAINTENANCE MECHANICS (MOTOR VEHICLES).....	102	104	99	101	101	100										
MAINTENANCE PIPEFITTERS.....	103	103	99	103	102	101	100									
MAINTENANCE SHEET-METAL WORKERS.....	101	102	100	102	102	100	100	100								
MILLWRIGHTS.....	99	132	99	103	101	100	100	100	100							
MAINTENANCE TRADES HELPERS.....	117	120	118	119	119	119	115	(6)	116	100						
MACHINE-TOOL OPERATORS (TOOL ROOM).....	99	102	99	103	101	100	99	100	100	91	100					
TOOL AND DIE MAKERS.....	97	99	96	98	98	98	97	98	97	82	97	100				
STATIONARY ENGINEERS.....	112	103	102	101	102	101	99	100	100	85	100	103	100			
BOILER TENDERS.....	102	107	99	106	105	104	101	(6)	(6)	92	(6)	102	107	100		
	Material movement and custodial occupation being compared—															
	Truckdrivers				Shippers	Receivers	Shippers and receivers	Warehousemen	Order fillers	Shipping packers	Material handling laborers	Forklift operators	Power-truck operators (other than forklift)	Guards		Janitors, porters, and cleaners
	Light truck	Medium truck	Heavy truck	Tractor-trailer										Class A	Class B	
TRUCKDRIVERS, LIGHT TRUCK.....	100															
TRUCKDRIVERS, MEDIUM TRUCK.....	94	100														
TRUCKDRIVERS, HEAVY TRUCK.....	(6)	(6)	100													
TRUCKDRIVERS, TRACTOR-TRAILER.....	96	(6)	101	100												
SHIPPERS.....	99	110	(6)	121	100											
RECEIVERS.....	102	119	(6)	118	106	100										
SHIPPERS AND RECEIVERS.....	76	89	(6)	(6)	86	98	100									
WAREHOUSEMEN.....	93	113	(6)	117	105	106	106	100								
ORDER FILLERS.....	111	114	117	124	117	106	107	101	100							
SHIPPING PACKERS.....	112	116	116	(6)	113	108	(6)	100	97	100						
MATERIAL HANDLING LABORERS.....	96	111	115	115	105	104	110	107	102	100	100					
FORKLIFT OPERATORS.....	99	103	101	108	99	98	102	99	98	98	97	100				
POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT).....	84	(6)	(6)	109	99	99	(6)	(6)	101	(6)	100	102	100			
GUARDS, CLASS A.....	109	(6)	(6)	168	101	99	118	(6)	115	94	112	123	(6)	100		
GUARDS, CLASS B.....	132	162	(6)	116	112	104	132	120	107	98	106	107	113	(6)	100	
JANITORS, PORTERS, AND CLEANERS.....	(6)	144	133	135	112	115	130	131	111	107	110	108	110	111	103	100

See footnote at end of tables.

NOTE: Tables A-8 and A-9 present the average pay relationship between pairs of occupations within establishments. For example, a value of 122 indicates that earnings for the occupation directly above in the heading are 22 percent greater than earnings for the occupation directly to the left in the stub. Similarly, a value of 85 indicates earnings for the occupation in the heading are 15 percent below earnings for the occupation in the stub.

See appendix A for method of computation.

Earnings: Large establishments

Table A-10. Weekly earnings of office workers, large establishments, Cleveland, Ohio, September 1979

Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																				
			Mean ²	Median ²	Middle range ²	110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420	440
						AND UNDER 120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420	440	AND OVER
SECRETARIES.....	2,670	39.0	\$251.00	\$238.00	\$204.00-\$291.00	-	-	1	15	13	68	112	375	410	363	290	218	244	177	104	101	113	43	11	6	6
MANUFACTURING.....	1,520	39.0	265.00	256.00	216.50- 309.00	-	-	-	-	-	24	49	158	188	199	175	137	173	117	68	90	85	40	8	3	6
NONMANUFACTURING.....	1,150	38.5	233.00	220.00	197.00- 261.00	-	1	15	13	44	63	217	222	164	115	81	71	60	36	11	28	3	3	3	-	
PUBLIC UTILITIES.....	122	40.0	317.00	315.00	295.50- 336.00	-	-	-	-	-	-	-	-	2	3	1	6	27	36	20	4	21	-	2	-	
SECRETARIES, CLASS A.....	192	39.0	318.50	326.00	280.00- 361.50	-	-	-	-	3	-	-	1	3	4	19	18	24	14	31	24	24	21	3	1	2
MANUFACTURING.....	145	39.0	321.50	326.50	284.50- 353.50	-	-	-	-	3	-	-	-	-	1	12	15	18	13	27	22	10	21	1	-	2
SECRETARIES, CLASS B.....	537	39.0	286.50	280.00	244.00- 322.50	-	-	-	-	6	2	-	10	42	60	75	74	64	61	45	21	54	8	6	5	4
MANUFACTURING.....	331	39.0	293.00	287.50	251.00- 325.00	-	-	-	-	6	-	-	6	15	33	40	53	34	51	23	12	41	5	5	3	4
NONMANUFACTURING.....	236	38.5	276.00	271.50	235.00- 316.00	-	-	-	-	-	2	4	27	27	35	21	30	10	22	9	13	3	1	2	-	-
PUBLIC UTILITIES.....	37	40.0	320.50	324.50	289.00- 373.00	-	-	-	-	-	-	-	-	1	2	-	-	13	-	8	2	11	-	-	-	-
SECRETARIES, CLASS C.....	878	39.0	253.50	244.00	216.50- 286.00	-	-	-	2	-	11	15	78	149	153	134	98	87	51	26	24	34	14	2	-	-
MANUFACTURING.....	515	39.5	267.50	256.00	225.50- 299.00	-	-	-	-	-	-	-	22	78	91	85	55	59	36	16	24	33	14	2	-	-
NONMANUFACTURING.....	363	38.5	234.00	230.00	203.00- 261.00	-	-	-	2	-	11	15	56	71	62	49	43	28	15	10	-	1	-	-	-	-
PUBLIC UTILITIES.....	25	40.0	296.50	299.00	288.00- 324.50	-	-	-	-	-	-	-	-	1	1	1	3	8	3	8	-	-	-	-	-	-
SECRETARIES, CLASS D.....	749	39.0	229.00	214.00	196.00- 252.00	-	-	1	2	2	8	54	182	165	117	43	23	68	49	2	32	1	-	-	-	-
MANUFACTURING.....	401	39.0	237.50	221.00	195.00- 280.50	-	-	-	-	-	1	32	89	75	55	25	12	62	15	2	32	1	-	-	-	-
NONMANUFACTURING.....	348	39.0	219.50	210.00	197.00- 231.50	-	-	1	2	2	7	22	93	90	62	18	11	6	34	-	-	-	-	-	-	-
SECRETARIES, CLASS E.....	287	38.5	192.50	189.00	172.50- 207.00	-	-	-	11	11	39	40	98	46	22	15	3	-	2	-	-	-	-	-	-	-
MANUFACTURING.....	128	40.0	204.00	195.50	182.00- 224.50	-	-	-	-	-	14	17	41	20	19	13	2	-	2	-	-	-	-	-	-	-
NONMANUFACTURING.....	159	37.5	183.00	183.00	168.00- 197.00	-	-	-	11	11	25	23	57	26	3	2	1	-	-	-	-	-	-	-	-	-
STENOGRAPHERS.....	540	39.5	236.50	233.50	190.00- 285.50	-	-	4	9	14	30	41	88	52	47	54	56	88	15	5	37	-	-	-	-	-
MANUFACTURING.....	292	39.5	234.00	218.50	189.50- 267.50	-	-	2	3	4	17	20	70	32	29	37	15	14	7	5	37	-	-	-	-	-
NONMANUFACTURING.....	248	39.5	239.50	257.00	190.50- 285.50	-	-	2	6	10	13	21	18	20	18	17	41	74	8	-	-	-	-	-	-	-
PUBLIC UTILITIES.....	192	40.0	254.00	274.00	222.50- 285.50	-	-	-	-	-	9	12	12	11	15	16	37	74	6	-	-	-	-	-	-	-
STENOGRAPHERS, SENIOR.....	264	39.5	242.00	251.00	199.50- 285.50	-	-	4	6	3	3	6	44	25	30	35	18	72	14	4	-	-	-	-	-	-
MANUFACTURING.....	140	39.5	232.50	232.00	196.00- 259.50	-	-	2	-	-	2	5	33	18	20	29	11	10	6	4	-	-	-	-	-	-
STENOGRAPHERS, GENERAL.....	276	39.5	231.00	213.00	179.50- 274.00	-	-	-	3	11	27	35	44	27	17	19	38	16	1	1	37	-	-	-	-	-
MANUFACTURING.....	152	39.5	235.00	203.00	182.00- 313.00	-	-	-	3	4	15	15	37	14	9	8	4	4	1	1	37	-	-	-	-	-
NONMANUFACTURING.....	124	40.0	226.00	222.00	179.50- 274.00	-	-	-	-	7	12	20	7	13	8	11	34	12	-	-	-	-	-	-	-	-
PUBLIC UTILITIES.....	95	40.0	239.50	255.00	190.50- 274.00	-	-	-	-	-	9	11	5	7	6	11	34	12	-	-	-	-	-	-	-	-
TYPISTS.....	1,368	39.0	194.00	179.50	158.50- 219.00	-	29	105	134	96	171	173	215	113	69	32	85	118	6	13	7	1	-	1	-	-
MANUFACTURING.....	476	39.5	188.00	175.00	155.50- 204.00	-	11	32	51	42	64	58	90	45	30	17	7	1	6	13	7	1	-	1	-	-
NONMANUFACTURING.....	892	39.0	197.50	179.50	159.50- 230.00	-	18	73	83	54	107	115	125	68	39	15	78	117	-	-	-	-	-	-	-	-
TYPISTS, CLASS A.....	662	39.0	209.00	195.50	167.50- 251.00	-	8	22	27	43	82	54	133	72	46	23	13	118	3	10	6	1	-	1	-	-
MANUFACTURING.....	229	39.5	205.50	191.00	171.00- 223.00	-	6	1	5	11	30	28	58	30	18	14	6	1	3	10	6	1	-	1	-	-
NONMANUFACTURING.....	433	39.0	211.00	196.00	167.00- 285.50	-	2	21	22	32	52	26	75	42	28	9	7	117	-	-	-	-	-	-	-	-
TYPISTS, CLASS B.....	706	39.0	180.00	170.00	146.50- 190.50	-	21	83	107	53	89	119	82	41	23	9	72	-	3	3	1	-	-	-	-	-
MANUFACTURING.....	247	40.0	172.00	163.00	147.00- 185.00	-	5	31	46	31	34	30	32	15	12	3	1	-	3	3	1	-	-	-	-	-
NONMANUFACTURING.....	459	39.0	184.50	178.00	146.00- 199.50	-	16	52	61	22	55	89	50	26	11	6	71	-	-	-	-	-	-	-	-	-
FILE CLERKS.....	218	38.0	171.00	145.00	130.50- 179.50	2	45	45	23	15	18	16	8	8	4	4	13	6	-	10	1	-	-	-	-	-
MANUFACTURING.....	68	39.0	191.00	164.00	144.00- 208.00	-	-	13	9	9	9	3	3	7	2	1	1	-	10	1	-	-	-	-	-	-
NONMANUFACTURING.....	150	37.5	162.00	136.00	125.50- 179.00	2	45	32	14	6	9	13	5	1	2	3	12	6	-	-	-	-	-	-	-	-
FILE CLERKS, CLASS B.....	157	37.5	170.00	147.50	130.00- 179.50	-	34	27	20	13	17	14	5	2	1	2	12	-	-	10	-	-	-	-	-	-
NONMANUFACTURING.....	120	37.0	160.00	139.00	125.50- 174.50	-	34	27	12	6	9	12	4	1	1	2	12	-	-	-	-	-	-	-	-	-

See footnotes at end of tables.

Table A-10. Weekly earnings of office workers, large establishments, Cleveland, Ohio, September 1979—Continued

Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																					
			Mean ²	Median ²	Middle range ²	110	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460
						AND UNDER	120	130	140	150	160	170	180	200	220	240	260	280	300	320	340	360	380	400	420	440	AND OVER
MESSENGERS.....	235	39.0	\$186.50	\$169.00	\$144.00-\$228.00	1	19	23	25	32	19	19	14	21	8	10	40	2	1	1	-	-	-	-	-	-	
MANUFACTURING.....	81	39.0	184.00	175.50	144.00- 217.50	-	9	7	10	7	6	4	6	12	7	8	3	-	1	1	-	-	-	-	-		
NONMANUFACTURING.....	154	39.0	188.00	166.00	144.00- 262.50	1	10	16	15	25	13	15	8	9	1	2	37	2	-	-	-	-	-	-	-		
PUBLIC UTILITIES.....	61	40.0	242.50	269.50	202.00- 269.50	-	-	-	-	-	5	6	2	8	-	1	37	2	-	-	-	-	-	-	-		
SWITCHBOARD OPERATORS.....	195	39.5	204.00	190.00	161.00- 240.00	1	12	16	9	8	18	16	27	27	13	5	20	8	2	4	7	2	-	-	-		
MANUFACTURING.....	84	39.5	222.50	203.50	172.50- 261.50	-	5	-	-	2	10	6	13	14	9	3	8	-	1	4	7	2	-	-	-		
NONMANUFACTURING.....	111	39.0	190.00	179.50	148.50- 217.00	1	7	16	9	6	8	10	14	13	4	2	12	8	1	-	-	-	-	-	-		
PUBLIC UTILITIES.....	36	40.0	247.00	278.50	206.50- 279.50	-	-	-	-	-	1	-	6	4	3	2	11	8	1	-	-	-	-	-	-		
SWITCHBOARD OPERATOR-RECEPTIONISTS.....	59	39.5	208.00	207.00	167.50- 244.00	-	-	2	3	2	10	4	7	7	7	6	7	2	1	1	-	-	-	-	-		
ORDER CLERKS.....	178	40.0	235.00	215.50	178.00- 287.00	1	2	3	6	1	22	12	23	22	15	7	14	12	14	3	11	7	3	-	-		
MANUFACTURING.....	143	40.0	231.50	210.00	182.00- 271.00	-	-	-	3	-	19	11	23	22	14	7	14	10	2	2	6	7	3	-	-		
ORDER CLERKS, CLASS A.....	57	40.0	285.00	298.00	252.00- 318.50	-	-	-	1	1	2	-	2	1	6	4	7	7	14	1	6	3	2	-	-		
ORDER CLERKS, CLASS B.....	121	40.0	211.00	194.00	169.50- 231.00	1	2	3	5	-	20	12	21	21	9	3	7	5	-	2	5	4	1	-	-		
MANUFACTURING.....	110	40.0	217.50	200.00	174.50- 236.50	-	-	-	3	-	19	11	21	21	8	3	7	5	-	2	5	4	1	-	-		
ACCOUNTING CLERKS.....	1,579	39.5	232.00	220.00	176.00- 285.50	2	19	49	67	57	110	129	191	164	86	123	126	289	34	29	27	39	19	19	-		
MANUFACTURING.....	818	39.5	228.50	212.50	175.00- 268.50	1	12	22	35	31	72	66	114	93	55	84	78	37	15	21	22	22	19	19	-		
NONMANUFACTURING.....	761	39.5	236.00	245.00	178.50- 293.50	1	7	27	32	26	38	63	77	71	31	39	48	252	19	8	5	17	-	-	-		
PUBLIC UTILITIES.....	379	40.0	286.00	293.50	281.50- 293.50	-	-	-	-	-	-	2	3	17	6	20	36	242	17	8	3	16	-	-	-		
ACCOUNTING CLERKS, CLASS A.....	862	39.5	254.50	264.00	201.50- 293.50	-	-	6	21	23	21	38	93	106	55	57	102	213	22	19	21	27	19	19	-		
MANUFACTURING.....	448	39.5	259.00	241.00	196.00- 280.50	-	-	2	14	16	14	24	52	63	36	35	71	32	13	12	16	10	19	19	-		
NONMANUFACTURING.....	414	39.5	259.50	285.50	211.00- 293.50	-	-	4	7	7	7	14	41	43	19	22	31	181	9	7	5	17	-	-	-		
PUBLIC UTILITIES.....	236	40.0	296.00	293.50	291.00- 293.50	-	-	-	-	-	-	-	-	5	-	6	21	171	7	7	3	16	-	-	-		
ACCOUNTING CLERKS, CLASS B.....	717	39.5	205.00	186.00	163.50- 257.00	2	19	43	46	34	89	91	98	58	31	66	24	76	12	10	6	12	-	-	-		
MANUFACTURING.....	370	39.5	202.50	184.00	163.00- 237.00	1	12	20	21	15	58	42	62	30	19	49	7	5	2	9	6	12	-	-	-		
NONMANUFACTURING.....	347	39.5	207.50	190.00	164.00- 272.00	1	7	23	25	19	31	49	36	28	12	17	17	71	10	1	-	-	-	-	-		
PUBLIC UTILITIES.....	134	40.0	269.00	285.50	256.50- 285.50	-	-	-	-	-	-	2	3	12	6	14	15	71	10	1	-	-	-	-	-		
PAYROLL CLERKS.....	287	39.5	235.50	224.50	190.00- 280.00	-	2	5	6	10	10	19	42	44	30	14	32	34	14	7	5	7	6	-	-		
MANUFACTURING.....	153	39.5	244.00	231.50	190.00- 282.00	-	-	-	-	4	6	13	26	16	22	8	18	9	10	5	5	6	-	-	-		
NONMANUFACTURING.....	134	39.5	225.50	215.00	184.00- 279.00	-	2	5	6	6	4	6	16	28	8	6	14	25	4	2	-	2	-	-	-		
KEY ENTRY OPERATORS.....	904	39.5	214.00	199.50	170.50- 259.00	4	7	26	46	48	84	108	133	131	51	57	71	62	18	33	12	1	12	-	-		
MANUFACTURING.....	457	40.0	224.00	208.00	175.00- 259.50	-	-	-	22	19	44	54	72	69	31	33	23	19	13	33	12	1	12	-	-		
NONMANUFACTURING.....	447	39.0	203.50	191.50	167.00- 251.50	4	7	26	24	29	40	54	61	62	20	24	48	43	5	-	-	-	-	-	-		
PUBLIC UTILITIES.....	177	40.0	244.50	264.00	203.50- 281.50	-	-	-	-	-	11	19	6	29	2	19	44	42	5	-	-	-	-	-	-		
KEY ENTRY OPERATORS, CLASS A.....	468	39.5	230.00	217.00	183.00- 277.00	-	1	4	2	11	40	52	65	76	46	31	32	59	16	9	11	1	12	-	-		
MANUFACTURING.....	272	40.0	231.50	212.00	178.50- 277.00	-	-	-	-	9	28	36	37	45	28	13	14	16	13	9	11	1	12	-	-		
NONMANUFACTURING.....	196	39.5	227.50	220.50	186.50- 277.00	-	1	4	2	2	12	16	28	31	18	18	18	43	3	-	-	-	-	-	-		
PUBLIC UTILITIES.....	77	40.0	274.50	282.00	265.00- 286.00	-	-	-	-	-	-	-	1	3	1	13	14	42	3	-	-	-	-	-	-		
KEY ENTRY OPERATORS, CLASS B.....	436	39.5	196.50	180.00	159.00- 213.00	4	6	22	44	37	44	56	68	55	5	26	39	3	2	24	1	-	-	-	-		
MANUFACTURING.....	185	39.5	213.00	191.00	168.00- 259.50	-	-	-	22	10	16	18	35	24	3	20	9	3	-	24	1	-	-	-	-		
NONMANUFACTURING.....	251	39.0	184.50	178.00	152.00- 203.50	4	6	22	22	27	28	38	33	31	2	6	30	-	2	-	-	-	-	-	-		
PUBLIC UTILITIES.....	100	40.0	222.00	207.00	179.50- 267.00	-	-	-	-	-	11	19	5	26	1	6	30	-	2	-	-	-	-	-	-		

See footnotes at end of tables.

Table A-11. Weekly earnings of professional and technical workers, large establishments, Cleveland, Ohio, September 1979

Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																					
			Mean ²	Median ²	Middle range ²	120 AND UNDER																					
						140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	460	500	540	580	620 AND OVER		
COMPUTER SYSTEMS ANALYSTS (BUSINESS).....	580	39.0	\$453.50	\$454.00	\$384.00-\$527.00	-	-	-	1	1	-	1	6	7	21	22	34	43	38	39	81	82	106	62	28	8	
MANUFACTURING.....	287	39.5	462.50	463.50	405.00- 523.50	-	-	-	-	-	-	1	3	1	8	6	10	19	20	25	43	53	45	30	17	6	
NONMANUFACTURING.....	293	39.0	444.00	440.50	364.00- 533.50	-	-	1	1	-	-	-	3	6	13	16	24	24	18	14	38	29	61	32	11	2	
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A.....	250	39.0	495.00	503.00	432.50- 553.00	-	-	-	-	-	-	-	-	-	1	-	-	5	9	13	19	35	42	51	40	28	7
MANUFACTURING.....	159	39.0	501.00	505.00	447.00- 553.00	-	-	-	-	-	-	-	-	-	-	2	6	5	10	19	22	31	34	27	17	5	
NONMANUFACTURING.....	91	39.0	485.50	493.00	418.00- 554.00	-	-	-	-	-	-	-	-	-	1	-	3	3	8	9	13	11	17	13	11	2	
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B.....	273	39.5	435.50	440.00	364.50- 504.00	-	-	-	-	-	-	2	3	9	15	23	33	17	17	42	36	55	20	-	1		
MANUFACTURING.....	104	39.5	423.50	428.50	365.50- 477.50	-	-	-	-	-	-	-	1	6	6	6	12	7	12	19	22	11	1	-	1		
NONMANUFACTURING.....	169	39.5	443.00	440.50	364.00- 537.50	-	-	-	-	-	-	2	2	3	9	17	21	10	5	23	14	44	19	-	-		
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS C.....	57	39.5	355.00	336.00	305.00- 397.00	-	-	-	1	1	-	1	4	4	11	7	6	1	8	3	4	4	-	2	-	-	
COMPUTER PROGRAMMERS (BUSINESS).....	750	39.0	363.00	356.00	309.00- 418.00	-	-	1	2	6	14	27	62	49	55	88	83	71	54	56	115	40	10	12	5	-	
MANUFACTURING.....	391	39.5	360.50	359.00	310.50- 407.50	-	-	-	1	4	9	15	22	27	32	53	35	40	40	33	55	14	5	6	-	-	
NONMANUFACTURING.....	359	39.0	366.00	355.00	306.50- 427.00	-	-	1	1	2	5	12	40	22	23	35	48	31	14	23	60	26	5	6	5	-	
COMPUTER PROGRAMMERS (BUSINESS), CLASS A.....	242	39.0	412.50	406.00	366.00- 447.00	-	-	-	-	-	-	-	3	5	9	14	22	29	27	31	56	19	10	12	5	-	
MANUFACTURING.....	166	39.0	401.00	399.50	362.00- 439.00	-	-	-	-	-	-	-	3	5	7	13	13	19	24	20	39	12	5	6	-	-	
NONMANUFACTURING.....	76	38.5	437.00	422.00	376.50- 478.50	-	-	-	-	-	-	-	-	-	2	1	9	10	3	11	17	7	5	6	5	-	
COMPUTER PROGRAMMERS (BUSINESS), CLASS B.....	359	39.5	358.00	350.00	319.00- 408.50	-	-	1	1	-	10	11	16	23	29	58	56	31	19	24	59	21	-	-	-	-	
MANUFACTURING.....	155	40.0	337.50	332.50	299.00- 377.00	-	-	-	-	-	8	11	7	15	16	31	19	10	8	12	16	2	-	-	-	-	
NONMANUFACTURING.....	204	39.5	373.00	364.00	334.00- 427.00	-	-	1	1	-	2	-	9	8	13	27	37	21	11	12	43	19	-	-	-	-	
COMPUTER PROGRAMMERS (BUSINESS), CLASS C.....	149	39.0	295.00	283.00	267.00- 322.00	-	-	-	1	6	4	16	43	21	17	16	5	11	8	1	-	-	-	-	-	-	
MANUFACTURING.....	70	39.5	314.00	307.50	277.00- 364.50	-	-	-	1	4	1	4	12	7	9	9	3	11	8	1	-	-	-	-	-	-	
NONMANUFACTURING.....	79	38.5	278.50	276.00	264.50- 293.00	-	-	-	-	2	3	12	31	14	8	7	2	-	-	-	-	-	-	-	-	-	
COMPUTER OPERATORS.....	620	39.5	264.00	259.00	211.50- 293.50	2	11	42	64	61	66	65	43	144	41	12	13	9	15	10	8	14	-	-	-	-	
MANUFACTURING.....	278	39.5	286.50	266.50	225.50- 333.50	-	3	9	25	29	26	38	23	19	30	10	12	7	15	10	8	14	-	-	-	-	
NONMANUFACTURING.....	342	39.0	246.00	250.00	200.00- 293.50	2	8	33	39	32	40	27	20	125	11	2	1	2	-	-	-	-	-	-	-	-	
COMPUTER OPERATORS, CLASS A.....	139	39.0	288.50	284.00	247.50- 314.00	-	-	-	2	9	14	24	15	22	19	9	9	2	2	8	1	1	-	-	-	-	
MANUFACTURING.....	85	39.5	306.00	299.00	257.50- 335.00	-	-	-	-	4	3	15	7	14	14	8	8	-	2	8	1	1	-	-	-	-	
NONMANUFACTURING.....	54	39.0	261.00	252.00	230.00- 286.00	-	-	-	2	5	11	11	8	8	5	1	1	2	-	-	-	-	-	-	-	-	
COMPUTER OPERATORS, CLASS B.....	247	39.0	269.50	242.00	212.50- 304.00	-	-	9	35	31	42	33	21	7	21	3	4	7	13	1	7	13	-	-	-	-	
MANUFACTURING.....	154	39.5	296.00	262.50	228.00- 363.00	-	-	3	12	16	22	21	13	5	15	2	4	7	13	1	7	13	-	-	-	-	
NONMANUFACTURING.....	93	38.5	226.50	223.00	197.50- 247.50	-	-	6	23	15	20	12	8	2	6	1	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of tables.

Table A-11. Weekly earnings of professional and technical workers, large establishments, Cleveland, Ohio, September 1979—Continued

Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME WEEKLY EARNINGS (IN DOLLARS) OF--																				
			Mean ²	Median ²	Middle range ²	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	460	500	540	580	620
						AND UNDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER OPERATORS--CONTINUED						140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	460	500	540	580	620	
COMPUTER OPERATORS, CLASS C.....	234	39.5	\$244.00	\$282.50	\$188.50-\$293.50	2	11	33	27	21	10	6	7	115	1	-	-	-	-	1	-	-	-	-	-	
DRAFTERS.....	557	40.0	314.50	312.00	272.50-360.50	2	6	15	11	25	28	29	36	48	107	47	59	44	26	33	39	2	-	-	-	
MANUFACTURING.....	459	40.0	314.50	320.00	262.00-362.50	2	6	15	11	25	26	25	33	40	48	41	56	42	25	30	34	-	-	-	-	
DRAFTERS, CLASS A.....	230	40.0	353.50	353.50	316.50-391.50	-	-	-	-	-	2	5	19	15	25	24	42	34	13	16	33	2	-	-	-	
MANUFACTURING.....	225	40.0	353.00	354.00	316.50-391.00	-	-	-	-	-	2	5	19	15	23	23	42	34	13	16	33	-	-	-	-	
DRAFTERS, CLASS B.....	225	40.0	304.00	301.50	264.50-328.50	-	-	-	2	14	18	22	10	19	75	17	11	7	7	17	6	-	-	-	-	
MANUFACTURING.....	147	40.0	297.50	295.50	244.00-336.50	-	-	-	2	14	18	18	9	18	20	14	8	5	6	14	1	-	-	-	-	
DRAFTERS, CLASS C.....	85	40.0	257.00	260.00	190.00-309.00	-	6	12	9	9	4	2	6	10	6	6	6	3	6	-	-	-	-	-	-	
MANUFACTURING.....	77	40.0	253.50	237.50	183.50-309.00	-	6	12	9	9	3	2	5	7	5	4	6	3	6	-	-	-	-	-	-	
ELECTRONICS TECHNICIANS.....	264	40.0	297.00	283.50	255.00-309.50	-	-	-	-	11	30	41	40	47	40	10	15	2	-	2	-	26	-	-	-	
MANUFACTURING.....	249	40.0	293.00	281.00	250.00-306.50	-	-	-	-	11	30	41	40	44	40	9	7	2	-	2	-	23	-	-	-	
ELECTRONICS TECHNICIANS, CLASS A.....	66	40.0	342.50	325.50	289.50-347.00	-	-	-	-	-	-	2	6	17	6	6	14	1	-	2	-	12	-	-	-	
MANUFACTURING.....	54	40.0	334.50	301.50	287.50-346.50	-	-	-	-	-	-	2	6	17	6	5	6	1	-	2	-	9	-	-	-	
ELECTRONICS TECHNICIANS, CLASS B.....	121	40.0	305.00	293.00	266.50-309.50	-	-	-	-	2	6	11	21	29	32	4	1	1	-	-	-	14	-	-	-	
MANUFACTURING.....	118	40.0	305.50	293.00	265.00-309.50	-	-	-	-	2	6	11	21	26	32	4	1	1	-	-	-	14	-	-	-	
REGISTERED INDUSTRIAL NURSES.....	145	40.0	335.00	327.50	287.50-370.50	-	-	-	-	-	4	5	19	27	10	21	9	20	6	9	10	4	-	-	1	
MANUFACTURING.....	127	40.0	337.50	330.00	287.50-372.00	-	-	-	-	-	3	4	17	26	9	15	5	18	6	9	10	4	-	-	1	

See footnotes at end of tables.

Table A-12. Average weekly earnings of office, professional, and technical workers, by sex, large establishments, Cleveland, Ohio, September 1979

Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)		Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)		Occupation, sex, ³ and industry division	Number of workers	Average (mean ²)	
		Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)			Weekly hours ¹ (standard)	Weekly earnings ¹ (standard)
OFFICE OCCUPATIONS - MEN				OFFICE OCCUPATIONS - WOMEN--CONTINUED				PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN--CONTINUED			
ACCOUNTING CLERKS: MANUFACTURING.....	74	39.5	\$283.00	SWITCHBOARD OPERATORS: MANUFACTURING.....	172	39.0	\$199.00	COMPUTER PROGRAMMERS (BUSINESS) - CONTINUED			
ACCOUNTING CLERKS, CLASS A: MANUFACTURING.....	54	40.0	311.50	SWITCHBOARD OPERATOR-RECEPTIONISTS.....	59	39.5	208.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS B: MANUFACTURING.....	107	40.0	\$342.50
OFFICE OCCUPATIONS - WOMEN				ORDER CLERKS: MANUFACTURING.....	130	39.5	209.50	COMPUTER PROGRAMMERS (BUSINESS), CLASS C.....	86	39.0	301.50
SECRETARIES.....	2,613	39.0	250.50	ORDER CLERKS, CLASS B: MANUFACTURING.....	95	39.5	191.50	COMPUTER OPERATORS: MANUFACTURING.....	217	39.5	293.50
MANUFACTURING.....	1,491	39.0	263.50	ACCOUNTING CLERKS: MANUFACTURING.....	735	39.5	221.50	COMPUTER OPERATORS, CLASS A.....	119	39.0	287.00
NONMANUFACTURING.....	1,122	38.5	233.00	ACCOUNTING CLERKS, CLASS A: MANUFACTURING.....	391	39.5	243.50	MANUFACTURING.....	74	39.5	302.50
PUBLIC UTILITIES.....	122	40.0	317.00	ACCOUNTING CLERKS, CLASS B: MANUFACTURING.....	578	39.5	196.00	COMPUTER OPERATORS, CLASS B.....	182	39.0	280.00
SECRETARIES, CLASS A.....	189	39.0	316.50	MANUFACTURING.....	344	39.5	199.50	MANUFACTURING.....	120	39.5	306.00
MANUFACTURING.....	142	39.0	319.00	PAYROLL CLERKS: MANUFACTURING.....	247	39.5	225.50	NONMANUFACTURING.....	62	38.5	229.00
SECRETARIES, CLASS B.....	527	39.0	285.50	MANUFACTURING.....	136	39.5	234.50	DRAFTERS: MANUFACTURING.....	387	40.0	305.50
MANUFACTURING.....	321	39.0	291.50	NONMANUFACTURING.....	111	39.5	214.50	MANUFACTURING.....	194	40.0	342.00
NONMANUFACTURING.....	206	38.5	276.00	KEY ENTRY OPERATORS: MANUFACTURING.....	830	39.5	212.50	DRAFTERS, CLASS A.....	189	40.0	341.00
PUBLIC UTILITIES.....	37	40.0	320.50	MANUFACTURING.....	439	39.5	222.00	MANUFACTURING.....	120	40.0	288.50
SECRETARIES, CLASS C.....	862	39.0	252.50	NONMANUFACTURING.....	391	39.0	202.00	DRAFTERS, CLASS B: MANUFACTURING.....	76	40.0	254.50
MANUFACTURING.....	499	39.5	265.50	KEY ENTRY OPERATORS, CLASS A.....	451	39.5	227.50	MANUFACTURING.....	71	40.0	251.50
NONMANUFACTURING.....	363	38.5	234.00	MANUFACTURING.....	258	40.0	227.50	DRAFTERS, CLASS C.....	240	40.0	302.00
PUBLIC UTILITIES.....	25	40.0	296.50	NONMANUFACTURING.....	193	39.5	227.50	MANUFACTURING.....	225	40.0	298.00
SECRETARIES, CLASS D.....	748	39.0	229.00	PUBLIC UTILITIES.....	75	40.0	274.00	ELECTRONICS TECHNICIANS.....	66	40.0	342.50
MANUFACTURING.....	401	39.0	237.50	KEY ENTRY OPERATORS, CLASS B.....	379	39.0	195.00	MANUFACTURING.....	54	40.0	334.50
NONMANUFACTURING.....	347	39.0	219.50	MANUFACTURING.....	181	39.5	213.50	ELECTRONICS TECHNICIANS, CLASS A: MANUFACTURING.....	116	40.0	307.50
SECRETARIES, CLASS E.....	287	38.5	192.50	PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN				MANUFACTURING.....	113	40.0	308.00
MANUFACTURING.....	128	40.0	204.00	COMPUTER SYSTEMS ANALYSTS (BUSINESS): MANUFACTURING.....	253	39.5	469.50	PROFESSIONAL AND TECHNICAL OCCUPATIONS - WOMEN			
NONMANUFACTURING.....	159	37.5	183.00	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A.....	191	39.0	494.50	COMPUTER PROGRAMMERS (BUSINESS): MANUFACTURING.....	115	39.5	337.50
STENOGRAPHERS: MANUFACTURING.....	285	39.5	232.50	MANUFACTURING.....	143	39.0	506.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS C.....	63	39.0	286.00
STENOGRAPHERS, SENIOR: MANUFACTURING.....	133	39.5	229.50	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B: MANUFACTURING.....	92	39.5	430.50	COMPUTER OPERATORS: MANUFACTURING.....	56	39.5	251.00
STENOGRAPHERS, GENERAL: MANUFACTURING.....	240	39.5	234.50	COMPUTER PROGRAMMERS (BUSINESS): MANUFACTURING.....	271	39.5	369.00	COMPUTER OPERATORS, CLASS B.....	63	39.5	237.50
TYPISTS: MANUFACTURING.....	474	39.5	187.50	COMPUTER PROGRAMMERS (BUSINESS), CLASS A.....	173	39.0	402.50	REGISTERED INDUSTRIAL NURSES.....	137	40.0	332.50
TYPISTS, CLASS A: MANUFACTURING.....	227	39.5	205.00	MANUFACTURING.....	127	39.5	402.50	MANUFACTURING.....	126	40.0	335.50
TYPISTS, CLASS B: MANUFACTURING.....	247	40.0	172.00								
FILE CLERKS: MANUFACTURING.....	65	39.0	191.50								

See footnotes at end of tables.

Table A-13. Hourly earnings of maintenance, toolroom, and powerplant workers, large establishments, Cleveland, Ohio, September 1979

Occupation and industry division	Number of workers	Hourly earnings ¹			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS (IN DOLLARS) OF--																							
		Mean ²	Median ²	Middle range ²	4.80	5.00	5.20	5.40	5.60	5.80	6.20	6.60	7.00	7.40	7.80	8.20	8.60	9.00	9.40	9.80	10.20	10.60	11.00	11.40	11.80	12.20	12.60	
					AND UNDER	5.00	5.20	5.40	5.60	5.80	6.20	6.60	7.00	7.40	7.80	8.20	8.60	9.00	9.40	9.80	10.20	10.60	11.00	11.40	11.80	12.20	12.60	AND OVER
MAINTENANCE CARPENTERS.....	186	\$9.85	\$10.30	\$8.31-10.94	-	-	-	-	-	-	11	-	22	2	7	15	3	1	14	9	25	35	5	18	9	-	10	
MANUFACTURING.....	142	9.93	10.35	9.35- 10.90	-	-	-	-	-	-	10	-	1	2	7	12	3	1	14	8	25	34	4	16	4	-	1	
MAINTENANCE ELECTRICIANS.....	1,511	10.49	11.11	9.84- 11.29	-	-	-	-	-	-	38	9	29	22	43	29	73	48	42	138	18	152	705	21	78	50	16	
MANUFACTURING.....	1,407	10.53	11.11	9.82- 11.29	-	-	-	-	-	-	38	9	29	21	42	29	73	46	36	52	18	149	703	21	78	48	15	
MAINTENANCE PAINTERS.....	147	10.18	10.85	9.73- 10.86	-	-	-	-	-	-	4	-	4	6	13	2	2	-	11	8	5	78	1	3	2	1	7	
MANUFACTURING.....	125	10.15	10.85	9.73- 10.86	-	-	-	-	-	-	4	-	-	6	13	2	-	-	8	5	5	78	-	-	1	1	2	
MAINTENANCE MACHINISTS.....	276	9.51	9.17	8.81- 10.59	-	-	-	-	-	-	17	7	2	6	8	26	34	64	-	6	48	8	12	26	8	2	2	
MANUFACTURING.....	274	9.51	9.17	8.83- 10.59	-	-	-	-	-	-	17	7	2	6	8	26	32	64	-	6	48	8	12	26	8	2	2	
MAINTENANCE MECHANICS (MACHINERY)...	2,182	10.37	11.06	9.79- 11.17	-	-	-	-	2	2	63	30	53	55	59	35	69	38	221	38	36	259	1007	54	106	17	38	
MANUFACTURING.....	2,031	10.42	11.11	10.03- 11.17	-	-	-	-	2	2	63	30	53	54	59	35	65	37	92	25	33	259	1007	54	106	17	38	
MAINTENANCE MECHANICS (MOTOR VEHICLES).....	543	9.91	9.78	9.08- 10.94	-	-	-	-	-	-	6	-	1	8	87	2	29	89	50	25	3	167	19	57	-	-	-	
MANUFACTURING.....	287	10.47	10.94	10.18- 10.94	-	-	-	-	-	-	5	-	-	6	24	2	3	4	6	25	2	167	17	26	-	-	-	
NONMANUFACTURING.....	256	9.29	9.34	8.00- 9.78	-	-	-	-	-	-	1	-	1	2	63	-	26	85	44	-	1	-	2	31	-	-	-	
PUBLIC UTILITIES.....	214	9.37	9.38	8.00- 9.78	-	-	-	-	-	-	-	-	-	-	58	-	26	53	44	-	-	-	2	31	-	-	-	
MAINTENANCE PIPEFITTERS.....	660	10.18	10.90	9.92- 10.94	-	-	-	-	-	-	45	5	1	7	28	5	13	24	34	34	10	401	34	19	-	-	-	
MANUFACTURING.....	660	10.18	10.90	9.92- 10.94	-	-	-	-	-	-	45	5	1	7	28	5	13	24	34	34	10	401	34	19	-	-	-	
MAINTENANCE SHEET-METAL WORKERS.....	229	9.88	10.90	8.99- 10.94	-	-	-	-	-	-	-	50	-	-	1	1	9	-	6	-	-	162	-	-	-	-	-	
MANUFACTURING.....	179	10.75	10.94	10.90- 10.94	-	-	-	-	-	-	-	-	-	-	1	1	9	-	6	-	-	162	-	-	-	-	-	
MILLWRIGHTS.....	982	10.56	10.94	10.90- 10.94	-	-	-	-	-	-	-	-	7	-	21	42	21	17	22	46	57	726	20	3	-	-	-	
MANUFACTURING.....	982	10.56	10.94	10.90- 10.94	-	-	-	-	-	-	-	-	7	-	21	42	21	17	22	46	57	726	20	3	-	-	-	
MAINTENANCE TRADES HELPERS.....	206	8.39	8.84	7.32- 9.63	18	-	-	-	2	10	1	8	16	14	-	3	48	19	30	33	2	-	1	1	-	-	-	
MANUFACTURING.....	195	8.51	8.92	7.55- 9.64	18	-	-	-	2	-	1	8	16	13	-	3	48	19	30	33	2	-	1	1	-	-	-	
MACHINE-TOOL OPERATORS (TOOLROOM)...	554	10.20	10.99	9.13- 11.00	-	-	-	-	-	-	-	-	4	16	25	15	30	67	24	32	23	107	211	-	-	-	-	
MANUFACTURING.....	554	10.20	10.99	9.13- 11.00	-	-	-	-	-	-	-	-	4	16	25	15	30	67	24	32	23	107	211	-	-	-	-	
TOOL AND DIE MAKERS.....	1,278	10.52	11.13	10.03- 11.17	-	-	-	-	-	-	-	-	5	3	27	90	65	29	23	155	32	45	801	3	-	-	-	
MANUFACTURING.....	1,272	10.53	11.13	10.03- 11.17	-	-	-	-	-	-	-	-	5	3	27	90	59	29	23	155	32	45	801	3	-	-	-	
STATIONARY ENGINEERS.....	165	9.70	10.18	8.30- 10.90	-	-	-	-	4	6	4	1	3	5	7	16	8	5	18	10	9	32	15	12	3	3	4	
MANUFACTURING.....	148	9.99	10.23	8.94- 11.00	-	-	-	-	-	6	3	-	-	3	6	11	8	5	18	10	9	32	15	12	3	3	4	
BOILER TENDERS.....	135	8.73	8.84	7.37- 10.18	-	-	-	-	-	-	22	4	19	3	8	6	11	12	12	6	-	8	24	-	-	-	-	
MANUFACTURING.....	135	8.73	8.84	7.37- 10.18	-	-	-	-	-	-	22	4	19	3	8	6	11	12	12	6	-	8	24	-	-	-	-	

See footnotes at end of tables.

Table A-14. Hourly earnings of material movement and custodial workers, large establishments, Cleveland, Ohio, September 1979

Occupation and industry division	Number of workers	Hourly earnings ⁴			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS (IN DOLLARS) OF--																								
		Mean ²	Median ²	Middle range ²	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.40	4.80	5.20	5.60	6.00	6.40	6.80	7.20	7.60	8.00	8.40	8.80	9.20	9.60	10.00	10.40	10.80	
					AND UNDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUCKDRIVERS.....	1,162	\$9.22	\$9.41	\$8.22-\$10.28	-	-	-	2	-	-	-	1	5	7	21	6	37	33	21	18	193	30	72	157	27	518	14		
MANUFACTURING.....	373	8.81	9.04	8.13- 9.43	-	-	-	2	-	-	-	1	3	5	20	3	2	7	5	14	59	3	68	95	27	45	14		
NONMANUFACTURING.....	789	9.42	10.28	8.22- 10.28	-	-	-	-	-	-	-	-	2	2	1	3	35	26	16	4	134	27	4	62	-	473	-		
TRUCKDRIVERS, LIGHT TRUCK.....	115	7.85	8.13	7.78- 8.28	-	-	-	2	-	-	-	-	5	1	1	3	5	3	1	9	64	11	3	7	-	-	-		
TRUCKDRIVERS, MEDIUM TRUCK: MANUFACTURING.....	58	8.60	8.89	8.18- 9.37	-	-	-	-	-	-	-	-	-	3	-	1	-	2	3	1	7	-	18	23	-	-	-		
TRUCKDRIVERS, HEAVY TRUCK.....	94	8.80	9.32	8.18- 9.41	-	-	-	-	-	-	-	-	-	2	1	-	1	-	-	1	35	-	1	48	1	3	1		
TRUCKDRIVERS, TRACTOR-TRAILER.....	413	9.58	10.12	9.01- 10.38	-	-	-	-	-	-	-	1	-	1	19	2	1	-	1	7	12	18	50	62	26	200	13		
MANUFACTURING.....	166	9.14	9.61	8.95- 10.12	-	-	-	-	-	-	-	1	-	1	19	2	1	-	1	6	2	-	46	3	26	45	13		
SHIPPERS.....	111	7.74	8.68	5.71- 9.22	-	1	-	-	-	-	2	2	6	14	4	1	6	1	5	-	5	13	20	29	2	-	-		
MANUFACTURING.....	100	7.82	8.77	5.71- 9.22	-	1	-	-	-	-	1	2	6	14	3	1	2	-	4	-	3	13	20	29	1	-	-		
RECEIVERS.....	169	7.12	7.12	5.70- 8.88	-	1	-	2	8	-	9	2	7	13	5	20	8	13	6	2	6	14	15	37	1	-	-		
MANUFACTURING.....	113	7.95	8.73	6.89- 9.22	-	1	-	-	-	-	2	1	11	-	7	4	11	5	2	3	14	15	37	-	-	-	-		
NONMANUFACTURING.....	56	5.46	5.71	4.00- 6.25	-	-	-	2	8	-	9	-	6	2	5	13	4	2	1	-	3	-	-	-	1	-	-		
SHIPPERS AND RECEIVERS.....	67	8.57	8.85	7.71- 9.73	-	-	-	-	-	-	-	1	-	-	1	-	-	3	12	2	11	1	10	4	22	-	-		
WAREHOUSEMEN.....	357	7.06	7.18	6.25- 7.92	-	6	4	6	-	-	-	12	-	2	12	87	14	45	58	43	19	-	7	12	30	-	-		
MANUFACTURING.....	170	7.16	7.23	6.82- 7.80	-	-	-	-	-	-	-	12	-	2	11	-	3	43	56	20	6	-	7	10	-	-	-		
NONMANUFACTURING.....	187	6.97	6.25	6.25- 7.92	-	6	4	6	-	-	-	-	-	-	1	87	11	2	2	23	13	-	-	2	30	-	-		
PUBLIC UTILITIES.....	57	8.89	9.67	7.92- 9.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	23	-	-	-	2	30	-	-		
ORDER FILLERS.....	735	7.85	8.69	7.32- 8.81	-	1	-	-	1	1	4	8	11	77	14	42	23	1	62	61	29	189	134	60	8	4	5		
MANUFACTURING.....	434	7.54	8.56	5.95- 8.83	-	1	-	-	1	1	4	8	11	74	9	32	7	1	62	-	3	74	131	5	1	4	5		
NONMANUFACTURING.....	301	8.29	8.70	7.62- 8.70	-	-	-	-	-	-	-	-	-	3	5	10	16	-	-	61	26	115	3	55	7	-	-		
SHIPPING PACKERS.....	324	7.29	7.51	6.35- 9.05	2	2	3	5	2	5	6	17	1	2	7	44	44	2	51	14	-	11	88	13	5	-	-		
MANUFACTURING.....	226	7.68	8.49	6.59- 9.05	-	2	-	-	-	3	6	17	1	1	2	25	25	2	22	5	-	11	88	13	5	-	-		
NONMANUFACTURING.....	98	6.39	6.66	6.35- 7.57	2	2	3	5	2	2	-	-	-	1	5	19	19	-	29	9	-	-	-	-	-	-	-		
MATERIAL HANDLING LABORERS.....	1,405	8.22	8.81	8.07- 9.13	-	1	1	4	1	1	4	3	99	16	25	21	75	18	38	44	90	238	704	8	-	-	14		
MANUFACTURING.....	1,094	8.35	8.95	8.18- 9.13	-	-	1	1	1	1	2	3	94	9	15	5	41	14	8	20	68	89	700	8	-	-	14		
NONMANUFACTURING.....	311	7.73	8.22	6.81- 8.67	-	1	-	3	-	-	2	-	5	7	10	16	34	4	30	24	22	149	4	-	-	-	-		
FORKLIFT OPERATORS.....	2,067	8.23	8.95	7.62- 9.13	-	-	-	-	-	1	-	98	168	5	13	32	30	79	59	90	123	187	991	141	3	3	44		
MANUFACTURING.....	1,810	8.24	9.13	7.55- 9.19	-	-	-	-	-	1	-	98	168	5	12	32	14	78	52	33	92	50	984	141	3	3	44		
NONMANUFACTURING.....	257	8.21	8.51	7.62- 8.70	-	-	-	-	-	-	-	-	-	-	1	-	16	1	7	57	31	137	7	-	-	-	-		
POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT).....	287	9.18	8.87	8.62- 9.70	-	-	-	-	-	-	-	-	-	-	-	2	15	1	-	19	16	90	60	12	2	12	*58		
MANUFACTURING.....	272	9.33	9.08	8.62- 10.10	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	19	16	90	60	12	2	12	58		

* Workers were distributed as follows: 8 at \$10.40 to \$10.80; 11 at \$10.80 to \$11.20; 35 at \$11.20 to \$11.60; and 4 at \$12.80 and over.

See footnotes at end of tables.

Table A-14. Hourly earnings of material movement and custodial workers, large establishments, Cleveland, Ohio, September 1979—Continued

Occupation and industry division	Number of workers	Hourly earnings ⁴			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS (IN DOLLARS) OF--																											
		Mean ²	Median ²	Middle range ²	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.40	4.80	5.20	5.60	6.00	6.40	6.80	7.20	7.60	8.00	8.40	8.80	9.20	9.60	10.00	10.40	10.80				
					AND UNDER	3.00	3.20	3.40	3.60	3.80	4.00	4.40	4.80	5.20	5.60	6.00	6.40	6.80	7.20	7.60	8.00	8.40	8.80	9.20	9.60	10.00	10.40	10.80	AND OVER			
GUARDS.....	1,288	\$5.55	\$5.10	\$3.10- \$7.84	204	185	59	25	16	3	39	73	69	49	36	60	49	59	29	25	1	70	130	107	-	-	-					
MANUFACTURING.....	569	7.79	8.64	6.64- 9.02	-	-	-	2	1	-	-	22	35	33	13	23	28	54	25	25	1	70	130	107	-	-	-					
GUARDS, CLASS A.....	436	6.16	6.13	4.50- 7.84	-	-	5	19	13	3	33	63	37	18	23	50	42	7	4	17	1	54	43	4	-	-	-					
MANUFACTURING.....	176	7.79	8.64	6.73- 9.02	-	-	-	-	-	-	-	13	5	3	-	13	21	2	-	17	1	54	43	4	-	-	-					
NONMANUFACTURING.....	260	5.05	4.80	4.25- 6.13	-	-	5	19	13	3	33	50	32	15	23	37	21	5	4	-	-	-	-	-	-	-	-					
GUARDS, CLASS B.....	852	5.23	3.25	3.00- 7.81	204	185	54	6	3	-	6	10	32	31	13	10	7	52	25	8	-	16	87	103	-	-	-					
MANUFACTURING.....	393	7.79	8.63	6.63- 9.20	-	-	-	2	1	-	-	9	30	30	13	10	7	52	25	8	-	16	87	103	-	-	-					
JANITORS, PORTERS, AND CLEANERS.....	3,171	5.62	4.57	4.54- 6.99	16	69	62	21	51	69	34	154	138	63	150	33	118	31	80	60	81	420	131	-	-	-	-					
MANUFACTURING.....	1,122	7.50	8.33	6.45- 8.77	1	7	2	-	2	5	11	27	109	26	63	14	96	31	66	51	72	420	119	-	-	-	-					

See footnotes at end of tables.

Table A-15. Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, Cleveland, Ohio, September 1979

Occupation, sex, ³ and industry division	Number of workers	Average (mean ²) hourly earnings ⁴	Occupation, sex, ³ and industry division	Number of workers	Average (mean ²) hourly earnings ⁴	Occupation, sex, ³ and industry division	Number of workers	Average (mean ²) hourly earnings ⁴
MAINTENANCE, TOOLROOM, AND POWERPLANT OCCUPATIONS - MEN			MAINTENANCE, TOOLROOM, AND POWERPLANT OCCUPATIONS - MEN--CONTINUED			MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MEN--CONTINUED		
MAINTENANCE CARPENTERS.....	183	\$9.87	STATIONARY ENGINEERS.....	155	\$9.72	ORDER FILLERS:		
MANUFACTURING.....	142	9.93	MANUFACTURING.....	142	9.98	NONMANUFACTURING.....	251	\$8.55
MAINTENANCE ELECTRICIANS.....	1,481	10.49	BOILER TENDERS.....	131	8.70	SHIPPING PACKERS.....	189	7.74
MANUFACTURING.....	1,377	10.53	MANUFACTURING.....	131	8.70	MANUFACTURING.....	156	7.86
MAINTENANCE PAINTERS.....	142	10.16	MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MEN			MATERIAL HANDLING LABORERS.....	1,269	8.23
MANUFACTURING.....	122	10.15	TRUCKDRIVERS.....	1,126	9.21	MANUFACTURING.....	972	8.36
MAINTENANCE MACHINISTS.....	276	9.51	MANUFACTURING.....	368	8.81	NONMANUFACTURING.....	297	7.81
MANUFACTURING.....	274	9.51	NONMANUFACTURING.....	758	9.40	FORKLIFT OPERATORS.....	1,963	8.26
MAINTENANCE MECHANICS (MACHINERY).....	2,151	10.37	TRUCKDRIVERS, LIGHT TRUCK.....	112	7.89	MANUFACTURING.....	1,748	8.26
MANUFACTURING.....	2,000	10.42	TRUCKDRIVERS, MEDIUM TRUCK:			NONMANUFACTURING.....	215	8.24
MAINTENANCE MECHANICS (MOTOR VEHICLES).....	534	9.91	MANUFACTURING.....	54	8.59	POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT).....	287	9.18
MANUFACTURING.....	278	10.48	TRUCKDRIVERS, HEAVY TRUCK.....	94	8.80	MANUFACTURING.....	272	9.33
NONMANUFACTURING.....	256	9.29	TRUCKDRIVERS, TRACTOR-TRAILER.....	412	9.58	GUARDS.....	1,117	5.68
PUBLIC UTILITIES.....	214	9.37	MANUFACTURING.....	166	9.14	MANUFACTURING.....	524	7.78
MAINTENANCE PIPEFITTERS.....	660	10.18	SHIPPERS.....	89	7.74	GUARDS, CLASS A.....	372	6.21
MANUFACTURING.....	660	10.18	MANUFACTURING.....	82	7.78	MANUFACTURING.....	155	7.69
MAINTENANCE SHEET-METAL WORKERS.....	279	9.88	RECEIVERS.....	134	7.29	NONMANUFACTURING.....	217	5.15
MANUFACTURING.....	179	10.75	MANUFACTURING.....	96	8.07	GUARDS, CLASS B.....	745	5.42
MILLWRIGHTS.....	960	10.57	SHIPPERS AND RECEIVERS.....	58	8.55	MANUFACTURING.....	369	7.82
MANUFACTURING.....	960	10.57	WAREHOUSEMEN.....	290	7.23	JANITORS, PORTERS, AND CLEANERS.....	1,689	6.17
MAINTENANCE TRADES HELPERS.....	205	8.38	MANUFACTURING.....	157	7.13	MANUFACTURING.....	836	7.80
MANUFACTURING.....	194	8.51	NONMANUFACTURING.....	133	7.35	MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - WOMEN		
MACHINE-TOOL OPERATORS (TOOLROOM).....	543	10.20	PUBLIC UTILITIES.....	50	8.78	WAREHOUSEMEN.....	66	6.34
MANUFACTURING.....	543	10.20				SHIPPING PACKERS.....	118	6.36
TOOL AND DIE MAKERS.....	1,262	10.51						
MANUFACTURING.....	1,256	10.52						

See footnotes at end of tables.

Footnotes

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

² The mean is computed for each job by totaling the earnings of all workers and dividing by the number of workers. The median designates position—half of the workers receive the same or more and half receive the same or less than the rate shown. The middle range is defined by two rates of pay: a fourth of the workers earn the same or less than the lower of these rates and a fourth earn the same or more than the higher rate.

³ Earnings data relate only to workers whose sex identification was provided by the establishment.

⁴ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

⁵ Estimates for periods ending prior to 1976 relate to men only for skilled maintenance and unskilled plant workers. All other estimates relate to men and women.

⁶ Data do not meet publication criteria or data not available.

Appendix A.

Scope and Method of Survey

In each of the 72¹ areas currently surveyed, the Bureau obtains wages and related benefits data from representative establishments within six broad industry divisions: Manufacturing; transportation, communication, and other public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and services. Government operations and the construction and extractive industries are excluded. Establishments having fewer than a prescribed number of workers are also excluded because of insufficient employment in the occupations studied. Appendix table 1 shows the number of establishments and workers estimated to be within the scope of this survey, as well as the number actually studied.

Bureau field representatives obtain data by personal visits at 3-year intervals. In each of the two intervening years, information on employment and occupational earnings only is collected by a combination of personal visit, mail questionnaire, and telephone interview from establishments participating in the previous survey.

A sample of the establishments in the scope of the survey is selected for study prior to each personal visit survey. This sample, less establishments which go out of business or are no longer within the industrial scope of the survey, is retained for the following two annual surveys. In most cases, establishments new to the area are not considered in the scope of the survey until the selection of a sample for a personal visit survey.

The sampling procedures involve detailed stratification of all establishments within the scope of an individual area survey by industry and number of employees. From this stratified universe a probability sample is selected, with each establishment having a predetermined chance of selection. To obtain optimum accuracy at minimum cost, a greater proportion of large than small establishments is selected. When data are combined, each establishment is weighted according to its probability of selection so that unbiased estimates are generated. For example, if one out of four establishments is selected, it is given a weight of 4 to represent itself plus three others. An alternate of the same original probability is chosen in the same industry-size classification if data are not available from the original sample member. If no suitable substitute is available, additional weight is assigned to a sample member that is similar to the missing unit.

Occupations and earnings

Occupations selected for study are common to a variety of manufacturing and nonmanufacturing industries, and are of the following types: (1) Office clerical; (2) professional and technical; (3) maintenance, toolroom,

and powerplant; and (4) material movement and custodial. Occupational classification is based on a uniform set of job descriptions designed to take account of interestablishment variation in duties within the same job. Occupations selected for study are listed and described in appendix B.

Unless otherwise indicated, the earnings data following the job titles are for all industries combined. Earnings data for some of the occupations listed and described, or for some industry divisions within the scope of the survey, are not presented in the A-series tables because either (1) employment in the occupation is too small to provide enough data to merit presentation, or (2) there is possibility of disclosure of individual establishment data. Separate men's and women's earnings data are not presented when the number of workers not identified by sex is 20 percent or more of the men or women identified in an occupation. Earnings data not shown separately for industry divisions are included in data for all industries combined. Likewise, for occupations with more than one level, data are included in the overall classification when a subclassification is not shown or information to subclassify is not available.

Occupational employment and earnings data are shown for full-time workers, i.e., those hired to work a regular weekly schedule. Earnings data exclude premium pay for overtime and for work on weekends, holidays, and late shifts. Nonproduction bonuses are excluded, but cost-of-living allowances and incentive bonuses are included. Weekly hours for office clerical and professional and technical occupations refer to the standard workweek (rounded to the nearest half hour) for which employees receive regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates). Average weekly earnings for these occupations are rounded to the nearest half dollar. Vertical lines within the distribution of workers on some A-tables indicate a change in the size of the class intervals.

These surveys measure the level of occupational earnings in an area at a particular time. Comparisons of individual occupational averages over time may not reflect expected wage changes. The averages for individual jobs are affected by changes in wages and employment patterns. For example, proportions of workers employed by high- or low-wage firms may change, or high-wage workers may advance to better jobs and be replaced by new workers at lower rates. Such shifts in employment could decrease an occupational average even though most establishments in an area increase wages during the year. Changes in earnings of occupational groups, shown in table A-7, are better indicators of wage trends than are earnings changes for individual jobs within the groups.

Average earnings reflect composite, areawide estimates. Industries and establishments differ in pay level and job staffing, and thus contribute differently to the estimates for each job. Pay averages may fail to reflect accurately the wage differential among jobs in individual establishments.

¹ Included in the 72 areas are 2 studies conducted by the Bureau under contract. These areas are Akron, Ohio and Poughkeepsie-Kingston-Newburgh, N.Y. In addition, the Bureau conducts more limited area studies in approximately 100 areas at the request of the Employment Standards Administration of the U.S. Department of Labor.

Average pay levels for men and women in selected occupations should not be assumed to reflect differences in pay of the sexes within individual establishments. Factors which may contribute to differences include progression within established rate ranges (only the rates paid incumbents are collected) and performance of specific duties within the general survey job descriptions. Job descriptions used to classify employees in these surveys usually are more generalized than those used in individual establishments and allow for minor differences among establishments in specific duties performed.

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

Wage trends for selected occupational groups

The percent increases presented in table A-7 are based on changes in average hourly earnings of men and women in establishments reporting the trend jobs in both the current and previous year (matched establishments). The data are adjusted to remove the effects on average earnings of employment shifts among establishments and turnover of establishments included in survey samples. The percent increases, however, are still affected by factors other than wage increases. Hirings, layoffs, and turnover may affect an establishment average for an occupation when workers are paid under plans providing a range of wage rates for individual jobs. In periods of increased hiring, for example, new employees may enter at the bottom of the range, depressing the average without a change in wage rates.

The percent changes relate to wage changes between the indicated dates. When the time span between surveys is other than 12 months, annual rates are also shown. (It is assumed that wages increase at a constant rate between surveys.)

Occupations used to compute wage trends are:

Office clerical

Secretaries
Stenographers, senior
Stenographers, general
Typists, classes A and B
File clerks, classes A, B, and C
Messengers
Switchboard operators
Order clerks, classes A and B
Accounting clerks, classes A and B
Payroll clerks
Key entry operators, classes A and B

Electronic data processing

Computer systems analysts, classes A, B, and C
Computer programmers, classes A, B, and C

Electronic data processing— Continued

Computer operators, classes A, B, and C
Industrial nurses
Registered industrial nurses
Skilled maintenance
Carpenters
Electricians
Painters
Machinists
Mechanics (machinery)
Mechanics (motor vehicle)
Pipefitters
Tool and die makers
Unskilled plant
Janitors, porters, and cleaners
Material handling laborers

Percent changes for individual areas in the program are computed as follows:

1. Average earnings are computed for each occupation for the 2 years being compared. The averages are derived from earnings in those establishments which are in the survey both years; it is assumed that employment remains unchanged.
2. Each occupation is assigned a weight based on its proportionate employment in the occupational group in the base year.
3. These weights are used to compute group averages. Each occupation's average earnings (computed in step 1) is multiplied by its weight. The products are totaled to obtain a group average.
4. The ratio of group averages for 2 consecutive years is computed by dividing the average for the current year by the average for the earlier year. The result—expressed as a percent—less 100 is the percent change.

For a more detailed description of the method used to compute these wage trends, see "Improving Area Wage Survey Indexes," Monthly Labor Review, January 1973, pp. 52-57.

Average pay relationships within establishments

Relative measures of occupational pay are presented in table A-8 for white-collar occupations and in table A-9 for blue-collar occupations. These relative values reflect differences in pay between occupations within individual establishments. Relative pay values are computed by dividing an establishment's average earnings for an occupation being compared by the average for another occupation (designated as 100) and multiplying the quotient by 100. For example, if janitors in a firm average \$4 an hour and forklift operators \$5, forklift operators have a relative pay value of 125 compared with janitors. ($\$5 \div \$4 = 1.25$, $\times 100 = 125$.) In combining the relatives of the individual establishments to arrive at an overall average, each establishment is considered to have as many relatives as it has weighted workers in the two jobs being compared.

Pay relationships based on overall averages may differ considerably because of the varying contribution of high- and low-wage establishments to the averages. For example, the overall average hourly earnings for forklift operators may be 50 percent more than the average for janitors because the average for forklift operators may be strongly influenced by earnings in high-wage establishments while the average for janitors may be strongly influenced by earnings in low-wage establishments. In such a case, the intra-establishment relationship will indicate a much smaller difference in earnings.

Establishment practices and supplementary wage provisions

Tabulations on selected establishment practices and supplementary wage provisions (B-series tables) are not presented in this bulletin. Information for these tabulations is collected at 3-year intervals. These tabulations on minimum entrance salaries for inexperienced office workers; shift differentials; scheduled weekly hours and days; paid holidays; paid vacations; and health, insurance, and pension plans are presented (in the B-series tables) in previous bulletins for this area.

Appendix table 1. Establishments and workers within scope of survey and number studied, Cleveland, Ohio,¹ September 1979

Industry division ²	Minimum employment in establishments in scope of study	Number of establishments		Workers in establishments		
		Within scope of study	Studied	Within scope of study ⁴		Studied
				Number	Percent	
ALL ESTABLISHMENTS						
ALL INDUSTRY DIVISIONS-----	-	1,158	302	388,012	100	242,591
MANUFACTURING-----	100	434	146	202,279	52	136,114
NONMANUFACTURING-----	-	724	156	185,733	48	106,477
TRANSPORTATION, COMMUNICATION, AND OTHER PUBLIC UTILITIES ⁵ -----	100	40	15	32,541	8	27,484
WHOLESALE TRADE ⁶ -----	51	212	33	26,929	7	7,649
RETAIL TRADE ⁶ -----	170	117	37	62,878	16	44,627
FINANCE, INSURANCE, AND REAL ESTATE ⁶ -----	50	147	26	28,878	7	15,960
SERVICES ^{6,7} -----	50	218	45	34,507	9	10,757
LARGE ESTABLISHMENTS						
ALL INDUSTRY DIVISIONS-----	-	136	112	222,809	100	203,346
MANUFACTURING-----	500	78	64	127,783	57	114,822
NONMANUFACTURING-----	-	58	48	95,026	43	87,524
TRANSPORTATION, COMMUNICATION, AND OTHER PUBLIC UTILITIES ⁵ -----	500	8	7	26,296	12	25,609
WHOLESALE TRADE ⁶ -----	500	6	6	4,143	2	4,143
RETAIL TRADE ⁶ -----	500	29	21	45,983	21	40,068
FINANCE, INSURANCE, AND REAL ESTATE ⁶ -----	500	8	8	12,911	6	12,911
SERVICES ^{6,7} -----	500	7	6	5,693	3	4,793

¹ The Cleveland Standard Metropolitan Statistical Area, as defined by the Office of Management and Budget through February 1974, consists of Cuyahoga, Geauga, Lake, and Medina Counties. The "workers within scope of study" estimates provide a reasonably accurate description of the size and composition of the labor force included in the survey. Estimates are not intended, however, for comparison with other statistical series to measure employment trends or levels since (1) planning of wage surveys requires establishment data compiled considerably in advance of the payroll period studied, and (2) small establishments are excluded from the scope of the survey.

² The 1972 edition of the Standard Industrial Classification Manual was used in classifying establishments by industry division. All government operations are excluded from the scope of the survey.

³ Includes all establishments with total employment at or above the minimum limitation. All outlets (within the area) of companies in industries such as trade, finance, auto repair service, and motion picture theaters are considered as one establishment.

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

⁵ Abbreviated to "public utilities" in the A-series tables. Taxicabs and services incidental to water transportation are excluded. Local-transit operations and an electric utility (supplying less than half the electricity consumed in the Cleveland area) are municipally owned and are excluded by definition from the scope of the survey.

⁶ Separate data for this division are not presented in the A-series tables, but the division is represented in the "all industries" and "nonmanufacturing" estimates.

⁷ Hotels and motels; laundries and other personal services; business services; automobile repair, rental, and parking; motion pictures; nonprofit membership organizations (excluding religious and charitable organizations); and engineering and architectural services.

Appendix B. Occupational Descriptions

The primary purpose of preparing job descriptions for the Bureau's wage surveys is to assist its field representatives in classifying into appropriate occupations workers who are employed under a variety of payroll titles and different work arrangements from establishment to establishment and from area to area. This permits grouping occupational wage rates representing comparable job content. Because of this emphasis on interestablishment and interarea comparability of occupational content, the Bureau's job descriptions may differ significantly from those in use in individual establishments or those prepared for other purposes. In applying these job descriptions, the Bureau's field representatives are instructed to exclude working supervisors; apprentices; and part-time, temporary, and probationary workers. Handicapped workers whose earnings are reduced because of their handicap are also excluded. Learners, beginners, and trainees, unless specifically included in the job descriptions, are excluded.

Office

SECRETARY

Assigned as a personal secretary, normally to one individual. Maintains a close and highly responsive relationship to the day-to-day activities of the supervisor. Works fairly independently receiving a minimum of detailed supervision and guidance. Performs varied clerical and secretarial duties requiring a knowledge of office routine and understanding of the organization, programs, and procedures related to the work of the supervisor.

Exclusions. Not all positions that are titled "secretary" possess the above characteristics. Examples of positions which are excluded from the definition are as follows:

- a. Positions which do not meet the "personal" secretary concept described above;
- b. Stenographers not fully trained in secretarial-type duties;
- c. Stenographers serving as office assistants to a group of professional, technical, or managerial persons;
- d. Assistant-type positions which entail more difficult or more responsible technical, administrative, or supervisory duties which are not typical of secretarial work, e.g., Administrative Assistant, or Executive Assistant:

SECRETARY—Continued

Exclusions—Continued

- e. Positions which do not fit any of the situations listed in the sections below titled "Level of Supervisor," e.g., secretary to the president of a company that employs, in all, over 5,000 persons;
- f. Trainees.

Classification by Level

Secretary jobs which meet the required characteristics are matched at one of five levels according to (a) the level of the secretary's supervisor within the company's organizational structure and, (b) the level of the secretary's responsibility. The tabulation following the explanations of these two factors indicates the level of the secretary for each combination of the factors.

Level of Secretary's Supervisor (LS)

- LS-1 a. Secretary to the supervisor or head of a small organizational unit (e.g., fewer than about 25 or 30 persons); or

SECRETARY—Continued

Classification by Level—Continued

- b. Secretary to a nonsupervisory staff specialist, professional employee, administrative officer or assistant, skilled technician or expert. (NOTE: Many companies assign stenographers, rather than secretaries as described above, to this level of supervisory or nonsupervisory worker.)
- LS-2 a. Secretary to an executive or managerial person whose responsibility is not equivalent to one of the specific level situations in the definition for LS-3, but whose organizational unit normally numbers at least several dozen employees and is usually divided into organizational segments which are often, in turn, further subdivided. In some companies, this level includes a wide range of organizational echelons; in others, only one or two; or
- b. Secretary to the head of an individual plant, factory, etc., (or other equivalent level of official) that employs, in all, fewer than 5,000 persons.
- LS-3 a. Secretary to the chairman of the board or president of a company that employs, in all, fewer than 100 persons; or
- b. Secretary to a corporate officer (other than chairman of the board or president) of a company that employs, in all, over 100 but fewer than 5,000 persons; or
- c. Secretary to the head (immediately below the officer level) over either a major corporatewide functional activity (e.g., marketing, research, operations, industrial relations, etc.) or a major geographic or organizational segment (e.g., a regional headquarters; a major division) of a company that employs, in all, over 5,000 but fewer than 25,000 employees; or
- d. Secretary to the head of an individual plant, factory, etc., (or other equivalent level of official) that employs, in all, over 5,000 persons; or
- e. Secretary to the head of a large and important organizational segment (e.g., a middle management supervisor of an organizational segment often involving as many as several hundred persons) of a company that employs, in all, over 25,000 persons.
- LS-4 a. Secretary to the chairman of the board or president of a company that employs, in all, over 100 but fewer than 5,000 persons; or
- b. Secretary to a corporate officer (other than the chairman of the board or president) of a company that employs, in all, over 5,000 but fewer than 25,000 persons; or
- c. Secretary to the head, immediately below the corporate officer level, of a major segment or subsidiary of a company that employs, in all, over 25,000 persons.

SECRETARY—Continued

Classification by Level—Continued

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

Level of Secretary's Responsibility (LR)

This factor evaluates the nature of the work relationship between the secretary and the supervisor, and the extent to which the secretary is expected to exercise initiative and judgment. Secretaries should be matched at LR-1 or LR-2 described below according to their level of responsibility.

LR-1. Performs varied secretarial duties including or comparable to most of the following:

- a. Answers telephones, greets personal callers, and opens incoming mail.
- b. Answers telephone requests which have standard answers. May reply to requests by sending a form letter.
- c. Reviews correspondence, memoranda, and reports prepared by others for the supervisor's signature to ensure procedural and typographical accuracy.
- d. Maintains supervisor's calendar and makes appointments as instructed.
- e. Types, takes and transcribes dictation, and files.

LR-2. Performs duties described under LR-1 and, in addition performs tasks requiring greater judgment, initiative, and knowledge of office functions including or comparable to most of the following:

- a. Screens telephone and personal callers, determining which can be handled by the supervisor's subordinates or other offices.
- b. Answers requests which require a detailed knowledge of office procedures or collection of information from files or other offices. May sign routine correspondence in own or supervisor's name.
- c. Compiles or assists in compiling periodic reports on the basis of general instructions.

SECRETARY—Continued

Level of Secretary's Responsibility (LR-2)—Continued

- d. Schedules tentative appointments without prior clearance. Assembles necessary background material for scheduled meetings. Makes arrangements for meetings and conferences.
- e. Explains supervisor's requirements to other employees in supervisor's unit. (Also types, takes dictation, and files.)

The following tabulation shows the level of the secretary for each LS and LR combination.

Level of secretary's supervisor	Level of secretary's responsibility	
	LR-1	LR-2
LS-1	Class E	Class D
LS-2	Class D	Class C
LS-3	Class C	Class B
LS-4	Class B	Class A

STENOGRAPHER

Primary duty is to take dictation using shorthand, and to transcribe the dictation. May also type from written copy. May operate from a stenographic pool. May occasionally transcribe from voice recordings (if primary duty is transcribing from recordings, see Transcribing-Machine Typist).

NOTE: This job is distinguished from that of a secretary in that a secretary normally works in a confidential relationship with only one manager or executive and performs more responsible and discretionary tasks as described in the secretary job definition.

Stenographer, Senior. Dictation involves a varied technical or specialized vocabulary such as in legal briefs or reports on scientific research. May also set up and maintain files, keep records, etc.

OR

Performs stenographic duties requiring significantly greater independence and responsibility than stenographer, general, as evidenced by the following: Work requires a high degree of stenographic speed and accuracy; a thorough working knowledge of general business and office procedure; and of the specific business operations, organization, policies, procedures, files, workflow, etc. Uses this knowledge in performing stenographic duties and responsible clerical tasks such as maintaining followup files; assembling material for reports, memoranda, and letters; composing simple letters from general instructions; reading and routing incoming mail; and answering routine questions, etc.

Stenographer, General. Dictation involves a normal routine vocabulary. May maintain files, keep simple records, or perform other relatively routine clerical tasks.

TRANSCRIBING-MACHINE TYPIST

Primary duty is to type copy of voice recorded dictation which does not involve varied technical or specialized vocabulary such as that used in legal briefs or reports on scientific research. May also type from written copy. May maintain files, keep simple records, or perform other relatively routine clerical tasks. (See Stenographer definition for workers involved with shorthand dictation.)

TYPIST

Uses a typewriter to make copies of various materials or to make out bills after calculations have been made by another person. May include typing of stencils, mats, or similar materials for use in duplicating processes. May do clerical work involving little special training, such as keeping simple records, filing records and reports, or sorting and distributing incoming mail.

Class A. Performs one or more of the following: Typing material in final form when it involves combining material from several sources; or responsibility for correct spelling, syllabication, punctuation, etc., of technical or unusual words or foreign language material; or planning layout and typing of complicated statistical tables to maintain uniformity and balance in spacing. May type routine form letters, varying details to suit circumstances.

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

FILE CLERK

Files, classifies, and retrieves material in an established filing system. May perform clerical and manual tasks required to maintain files. Positions are classified into levels on the basis of the following definitions.

Class A. Classifies and indexes file material such as correspondence, reports, technical documents, etc., in an established filing system containing a number of varied subject matter files. May also file this material. May keep records of various types in conjunction with the files. May lead a small group of lower level file clerks.

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

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

MESSENGER

Performs various routine duties such as running errands, operating minor office machines such as sealers or mailers, opening and distributing mail, and other minor clerical work. Exclude positions that require operation of a motor vehicle as a significant duty.

SWITCHBOARD OPERATOR

Operates a telephone switchboard or console used with a private branch exchange (PBX) system to relay incoming, outgoing, and intrasystem calls. May provide information to callers, record and transmit messages, keep record of calls placed and toll charges. Besides operating a telephone switchboard or console, may also type or perform routine clerical work (typing or routine clerical work may occupy the major portion of the worker's time, and is usually performed while at the switchboard or console). Chief or lead operators in establishments employing more than one operator are excluded. For an operator who also acts as a receptionist, see Switchboard Operator-Receptionist.

SWITCHBOARD OPERATOR-RECEPTIONIST

At a single-position telephone switchboard or console, acts both as an operator—see Switchboard Operator—and as a receptionist. Receptionist's work involves such duties as greeting visitors; determining nature of visitor's business and providing appropriate information; referring visitor to appropriate person in the organization or contacting that person by telephone and arranging an appointment; keeping a log of visitors.

ORDER CLERK

Receives written or verbal customers' purchase orders for material or merchandise from customers or sales people. Work typically involves some combination of the following duties: Quoting prices; determining availability of ordered items and suggesting substitutes, when necessary; advising expected delivery date and method of delivery; recording order and customer information on order sheets; checking order sheets for accuracy and adequacy of information recorded; ascertaining credit rating of customer; furnishing customer with acknowledgement of receipt of order; following-up to see that order is delivered by the specified date or to let customer know of a delay in delivery; maintaining order file; checking shipping invoice against original order.

Exclude workers paid on a commission basis or whose duties include any of the following: Receiving orders for services rather than for material or merchandise; providing customers with consultative advice using knowledge gained from engineering or extensive technical training; emphasizing selling skills; handling material or merchandise as an integral part of the job.

Positions are classified into levels according to the following definitions:

Class A. Handles orders that involve making judgments such as choosing which specific product or material from the establishment's product lines will satisfy the customer's needs, or determining the price to be quoted when pricing involves more than merely referring to a price list or making some simple mathematical calculations.

ORDER CLERK—Continued

Class B. Handles orders involving items which have readily identified uses and applications. May refer to a catalog, manufacturer's manual, or similar document to insure that proper item is supplied or to verify price of ordered item.

ACCOUNTING CLERK

Performs one or more accounting clerical tasks such as posting to registers and ledgers; reconciling bank accounts; verifying the internal consistency, completeness, and mathematical accuracy of accounting documents; assigning prescribed accounting distribution codes; examining and verifying for clerical accuracy various types of reports, lists, calculations, posting, etc.; or preparing simple or assisting in preparing more complicated journal vouchers. May work in either a manual or automated accounting system.

The work requires a knowledge of clerical methods and office practices and procedures which relates to the clerical processing and recording of transactions and accounting information. With experience, the worker typically becomes familiar with the bookkeeping and accounting terms and procedures used in the assigned work, but is not required to have a knowledge of the formal principles of bookkeeping and accounting.

Positions are classified into levels on the basis of the following definitions:

Class A. Under general supervision, performs accounting clerical operations which require the application of experience and judgment, for example, clerically processing complicated or nonrepetitive accounting transactions, selecting among a substantial variety of prescribed accounting codes and classifications, or tracing transactions through previous accounting actions to determine source of discrepancies. May be assisted by one or more class B accounting clerks.

Class B. Under close supervision, following detailed instructions and standardized procedures, performs one or more routine accounting clerical operations, such as posting to ledgers, cards, or worksheets where identification of items and locations of postings are clearly indicated; checking accuracy and completeness of standardized and repetitive records or accounting documents; and coding documents using a few prescribed accounting codes.

BOOKKEEPING-MACHINE OPERATOR

Operates a bookkeeping machine (with or without a typewriter keyboard) to keep a record of business transactions.

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

Class B. Keeps a record of one or more phases or sections of a set of records usually requiring little knowledge of basic bookkeeping. Phases or sections include accounts payable, payroll, customers' accounts (not including a simple type of billing described under machine biller),

BOOKKEEPING-MACHINE OPERATOR—Continued

cost distribution, expense distribution, inventory control, etc. May check or assist in preparation of trial balances and prepare control sheets for the accounting department.

MACHINE BILLER

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

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

Bookkeeping-machine biller. Uses a bookkeeping machine (with or without a typewriter keyboard) to prepare customers' bills as part of the accounts receivable operation. Generally involves the simultaneous entry of figures on customers' ledger record. The machine automatically accumulates figures on a number of vertical columns and computes and usually prints automatically the debit or credit balances. Does not involve a knowledge of bookkeeping. Works from uniform and standard types of sales and credit slips.

PAYROLL CLERK

Performs the clerical tasks necessary to process payrolls and to maintain payroll records. Work involves most of the following: Processing workers' time or production records; adjusting workers' records for changes in wage rates, supplementary benefits, or tax deductions; editing payroll listings against source records; tracing and correcting errors in listings; and assisting in preparation of periodic summary payroll reports. In a non-automated payroll system, computes wages. Work may require a practical knowledge of governmental regulations, company payroll policy, or the computer system for processing payrolls.

KEY ENTRY OPERATOR

Operates a keypunch machine to record or verify alphabetic and/or numeric data on tabulating cards or on tape.

Positions are classified into levels on the basis of the following definitions.

Class A. Work requires the application of experience and judgment in selecting procedures to be followed and in searching for, interpreting, selecting, or coding items to be keypunched from a variety of source documents. On occasion may also perform some routine keypunch work. May train inexperienced keypunch operators.

KEY ENTRY OPERATOR—Continued

Class B. Work is routine and repetitive. Under close supervision or following specific procedures or instructions, works from various standardized source documents which have been coded, and follows specified procedures which have been prescribed in detail and require little or no selecting, coding, or interpreting of data to be recorded. Refers to supervisor problems arising from erroneous items or codes or missing information.

Professional and Technical

COMPUTER SYSTEMS ANALYST, BUSINESS

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

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

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

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

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

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

COMPUTER SYSTEMS ANALYST, BUSINESS—Continued

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

OR

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

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

COMPUTER PROGRAMMER, BUSINESS

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

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

For wage study purposes, programmers are classified as follows:

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

At this level, programming is difficult because computer equipment must be organized to produce several interrelated but diverse products from numerous and diverse data elements. A wide variety and extensive number of internal processing actions must occur. This requires such actions as development of common operations which can be reused, establishment of

COMPUTER PROGRAMMER, BUSINESS—Continued

linkage points between operations, adjustments to data when program requirements exceed computer storage capacity, and substantial manipulation and resequencing of data elements to form a highly integrated program.

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

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

OR

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

May guide or instruct lower level programmers.

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

COMPUTER OPERATOR

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

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

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

Class B. Operates independently, or under only general direction, a computer running programs with most of the following characteristics: Most of the programs are established production runs, typically run on a regularly recurring basis; there is little or no testing of new programs

COMPUTER OPERATOR—Continued

required; alternate programs are provided in case original program needs major change or cannot be corrected within a reasonably short time. In common error situations, diagnoses cause and takes corrective action. This usually involves applying previously programmed corrective steps, or using standard correction techniques.

OR

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

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

DRAFTER

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

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

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

DRAFTER-TRACER

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

AND/OR

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

ELECTRONICS TECHNICIAN

Works on various types of electronic equipment and related devices by performing one or a combination of the following: Installing, maintaining, repairing, overhauling, troubleshooting, modifying, constructing, and testing. Work requires practical application of technical knowledge of electronics principles, ability to determine malfunctions, and skill to put equipment in required operating condition.

The equipment—consisting of either many different kinds of circuits or multiple repetition of the same kind of circuit—includes, but is not limited to, the following: (a) Electronic transmitting and receiving equipment (e.g., radar, radio, television, telephone, sonar, navigational aids), (b) digital and analog computers, and (c) industrial and medical measuring and controlling equipment.

This classification excludes repairers of such standard electronic equipment as common office machines and household radio and television sets; production assemblers and testers; workers whose primary duty is servicing electronic test instruments; technicians who have administrative or supervisory responsibility; and drafters, designers, and professional engineers.

Positions are classified into levels on the basis of the following definitions:

Class A. Applies advance technical knowledge to solve unusually complex problems (i.e., those that typically cannot be solved solely by reference to manufacturers' manuals or similar documents) in working on electronic equipment. Examples of such problems include location and density of circuitry, electromagnetic radiation, isolating malfunctions, and frequent engineering changes. Work involves: A detailed understanding of the inter-relationships of circuits; exercising independent judgment in performing such tasks as making circuit analyses, calculating wave forms, tracing relationships in signal flow; and regularly using complex test instruments (e.g., dual trace oscilloscopes, Q-meters, deviation meters, pulse generators).

Work may be reviewed by supervisor (frequently an engineer or designer) for general compliance with accepted practices. May provide technical guidance to lower level technicians.

Class B. Applies comprehensive technical knowledge to solve complex problems (i.e., those that typically can be solved solely by properly interpreting manufacturers' manuals or similar documents) in working on

ELECTRONICS TECHNICIAN—Continued

electronic equipment. Work involves: A familiarity with the interrelationships of circuits; and judgment in determining work sequence and in selecting tools and testing instruments, usually less complex than those used by the class A technician.

Receives technical guidance, as required, from supervisor or higher level technician, and work is reviewed for specific compliance with accepted practices and work assignments. May provide technical guidance to lower level technicians.

Class C. Applies working technical knowledge to perform simple or routine tasks in working on electronic equipment, following detailed instructions which cover virtually all procedures. Work typically involves such tasks as: Assisting higher level technicians by performing such activities as replacing components, wiring circuits, and taking test readings; repairing simple electronic equipment; and using tools and common test instruments (e.g., multimeters, audio signal generators, tube testers, oscilloscopes). Is not required to be familiar with the interrelationships of circuits. This knowledge, however, may be acquired through assignments designed to increase competence (including classroom training) so that worker can advance to higher level technician.

Receives technical guidance, as required, from supervisor or higher level technician. Work is typically spot-checked, but is given detailed review when new or advanced assignments are involved.

REGISTERED INDUSTRIAL NURSES

A registered nurse who gives nursing service under general medical direction to ill or injured employees or other persons who become ill or suffer an accident on the premises of a factory or other establishment. Duties involve a combination of the following: Giving first aid to the ill or injured; attending to subsequent dressing of employees' injuries; keeping records of patients treated; preparing accident reports for compensation or other purposes; assisting in physical examinations and health evaluations of applicants and employees; and planning and carrying out programs involving health education, accident prevention, evaluation of plant environment, or other activities affecting the health, welfare, and safety of all personnel. Nursing supervisors or head nurses in establishments employing more than one nurse are excluded.

Maintenance, Toolroom, and Powerplant

MAINTENANCE CARPENTER

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

MAINTENANCE ELECTRICIAN

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

MAINTENANCE PAINTER

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

MAINTENANCE MACHINIST

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

MAINTENANCE MECHANIC (Machinery)

Repairs machinery or mechanical equipment of an establishment. Work involves most of the following: Examining machines and mechanical equipment to diagnose source of trouble; dismantling or partly dismantling machines and performing repairs that mainly involve the use of handtools in scraping and fitting parts; replacing broken or defective parts with items obtained from stock; ordering the production of a replacement part by a machine shop or sending the machine to a machine shop for major repairs; preparing written specifications for major repairs or for the production of parts ordered from machine shops; reassembling machines; and making all necessary adjustments for operation. In general, the work of a machinery maintenance mechanic requires rounded training and experience usually

MAINTENANCE MECHANIC (Machinery)—Continued

acquired through a formal apprenticeship or equivalent training and experience. Excluded from this classification are workers whose primary duties involve setting up or adjusting machines.

MAINTENANCE MECHANIC (Motor Vehicles)

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

This classification does not include mechanics who repair customers' vehicles in automobile repair shops.

MAINTENANCE PIPEFITTER

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

MAINTENANCE SHEET-METAL WORKER

Fabricates, installs, and maintains in good repair the sheet-metal equipment and fixtures (such as machine guards, grease pans, shelves, lockers, tanks, ventilators, chutes, ducts, metal roofing) of an establishment. Work involves most of the following: Planning and laying out all types of sheet-metal maintenance work from blueprints, models, or other specifications; setting up and operating all available types of sheet-metal working machines; using a variety of handtools in cutting, bending, forming, shaping, fitting, and assembling; and installing sheet-metal articles as required. In general, the work of the maintenance sheet-metal worker requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

MILLWRIGHT

Installs new machines or heavy equipment, and dismantles and installs machines or heavy equipment when changes in the plant layout are required. Work involves most of the following: Planning and laying out

MILLWRIGHT—Continued

work; interpreting blueprints or other specifications; using a variety of handtools and rigging; making standard shop computations relating to stresses, strength of materials, and centers of gravity; aligning and balancing equipment; selecting standard tools, equipment, and parts to be used; and installing and maintaining in good order power transmission equipment such as drives and speed reducers. In general, the millwright's work normally requires a rounded training and experience in the trade acquired through a formal apprenticeship or equivalent training and experience.

MAINTENANCE TRADES HELPER

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

MACHINE-TOOL OPERATOR (TOOLROOM)

Specializes in operating one or more than one type of machine tool (e.g., jig borer, grinding machine, engine lathe, milling machine) to machine metal for use in making or maintaining jigs, fixtures, cutting tools, gauges, or metal dies or molds used in shaping or forming metal or nonmetallic material (e.g., plastic, plaster, rubber, glass). Work typically involves: Planning and performing difficult machining operations which require complicated setups or a high degree of accuracy; setting up machine tool or tools (e.g., install cutting tools and adjust guides, stops, working tables, and other controls to handle the size of stock to be machined; determine proper feeds, speeds, tooling, and operation sequence or select those prescribed in drawings, blueprints, or layouts); using a variety of precision measuring instruments; making necessary adjustments during machining operation to achieve requisite dimensions to very close tolerances. May be required to select proper coolants and cutting and lubricating oils, to recognize when tools need dressing, and to dress tools. In general, the work of a machine-tool operator (toolroom) at the skill level called for in this classification requires extensive knowledge of machine-shop and toolroom practice usually acquired through considerable on-the-job training and experience.

For cross-industry wage study purposes, this classification does not include machine-tool operators (toolroom) employed in tool and die jobbing shops.

TOOL AND DIE MAKER

Constructs and repairs jigs, fixtures, cutting tools, gauges, or metal dies or molds used in shaping or forming metal or nonmetallic material (e.g., plastic, plaster, rubber, glass). Work typically involves: Planning and laying out work according to models, blueprints, drawings, or other written or oral specifications; understanding the working properties of common metals and alloys; selecting appropriate materials, tools, and

TOOL AND DIE MAKER—Continued

processes required to complete tasks; making necessary shop computations; setting up and operating various machine tools and related equipment; using various tool and die maker's handtools and precision measuring instruments; working to very close tolerances; heat-treating metal parts and finished tools and dies to achieve required qualities; fitting and assembling parts to prescribed tolerances and allowances. In general, the tool and die maker's work requires rounded training in machine-shop and toolroom practice usually acquired through formal apprenticeship or equivalent training and experience.

For cross-industry wage study purposes, this classification does not include tool and die makers who (1) are employed in tool and die jobbing shops or (2) produce forging dies (die sinkers).

STATIONARY ENGINEER

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

BOILER TENDER

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

Material Movement and Custodial

TRUCKDRIVER

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

For wage study purposes, truckdrivers are classified by type and rated capacity of truck, as follows:

- Truckdriver, light truck
(straight truck, under 1½ tons, usually 4 wheels)
- Truckdriver, medium truck
(straight truck, 1½ to 4 tons inclusive, usually 6 wheels)
- Truckdriver, heavy truck
(straight truck, over 4 tons, usually 10 wheels)
- Truckdriver, tractor-trailer

SHIPPER AND RECEIVER

Performs clerical and physical tasks in connection with shipping goods of the establishment in which employed and receiving incoming shipments. In performing day-to-day, routine tasks, follows established guidelines. In handling unusual nonroutine problems, receives specific guidance from supervisor or other officials. May direct and coordinate the activities of other workers engaged in handling goods to be shipped or being received.

Shippers typically are responsible for most of the following: Verifying that orders are accurately filled by comparing items and quantities of goods gathered for shipment against documents; insuring that shipments are properly packaged, identified with shipping information, and loaded into transporting vehicles; preparing and keeping records of goods shipped, e.g., manifests, bills of lading.

Receivers typically are responsible for most of the following: Verifying the correctness of incoming shipments by comparing items and quantities unloaded against bills of lading, invoices, manifests, storage receipts, or other records; checking for damaged goods; insuring that goods are appropriately identified for routing to departments within the establishment; preparing and keeping records of goods received.

For wage study purposes, workers are classified as follows:

- Shipper
- Receiver
- Shipper and receiver

WAREHOUSEMAN

As directed, performs a variety of warehousing duties which require an understanding of the establishment's storage plan. Work involves most of the following: Verifying materials (or merchandise) against receiving documents, noting and reporting discrepancies and obvious damages; routing materials to prescribed storage locations; storing, stacking, or palletizing materials in accordance with prescribed storage methods; rearranging and taking inventory of stored materials; examining stored materials and reporting deterioration and damage; removing material from storage and preparing it for shipment. May operate hand or power trucks in performing warehousing duties.

Exclude workers whose primary duties involve shipping and receiving work (see Shipper and Receiver and Shipping Packer), order filling (see Order Filler), or operating power trucks (see Power-Truck Operator).

ORDER FILLER

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

SHIPPING PACKER

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

MATERIAL HANDLING LABORER

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

POWER-TRUCK OPERATOR

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

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

Forklift operator

Power-truck operator (other than forklift)

GUARD

Protects property from theft or damage, or persons from hazards or interference. Duties involve serving at a fixed post, making rounds on

GUARD—Continued

foot or by motor vehicle, or escorting persons or property. May be deputized to make arrests. May also help visitors and customers by answering questions and giving directions.

Guards employed by establishments which provide protective services on a contract basis are included in this occupation.

For wage study purposes, guards are classified as follows:

Class A. Enforces regulations designed to prevent breaches of security. Exercises judgment and uses discretion in dealing with emergencies and security violations encountered. Determines whether first response should be to intervene directly (asking for assistance when deemed necessary and time allows), to keep situation under surveillance, or to report situation so that it can be handled by appropriate authority. Duties require specialized training in methods and techniques of protecting security areas. Commonly, the guard is required to demonstrate continuing physical fitness and proficiency with firearms or other special weapons.

Class B. Carries out instructions primarily oriented toward insuring that emergencies and security violations are readily discovered and reported to appropriate authority. Intervenes directly only in situations which require minimal action to safeguard property or persons. Duties require minimal training. Commonly, the guard is not required to demonstrate physical fitness. May be armed, but generally is not required to demonstrate proficiency in the use of firearms or special weapons.

JANITOR, PORTER, OR CLEANER

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

Service Contract Act Surveys

The following areas are surveyed periodically for use in administering the Service Contract Act of 1965. Survey results are published in releases which are available, at no cost, while supplies last from any of the BLS regional offices shown on the back cover.

Alaska (statewide)
Albany, Ga.
Albuquerque, N. Mex.
Alexandria–Leesville, La.
Alpena–Standish–Tawas City, Mich.
Ann Arbor, Mich.
Asheville, N.C.
Augusta, Ga.–S.C.
Austin, Tex.
Bakersfield, Calif.
Baton Rouge, La.
Battle Creek, Mich.
Beaumont–Port Arthur–Orange and Lake Charles, Tex.–La.
Biloxi–Gulfport and Pascagoula–Moss Point, Miss.
Binghamton, N. Y.
Birmingham, Ala.
Bloomington–Vincennes, Ind.
Bremerton–Shelton, Wash.
Brunswick, Ga.
Cedar Rapids, Iowa
Champaign–Urbana–Rantoul, Ill.
Charleston–North Charleston–Walterboro, S.C.
Charlotte–Gastonia, N.C.
Clarksville–Hopkinsville, Tenn.–Ky.
Columbia–Sumter, S.C.
Columbus, Ga.–Ala.
Columbus, Miss.
Connecticut (statewide)
Decatur, Ill.
Des Moines, Iowa
Dothan, Ala.
Duluth–Superior, Minn.–Wis.
El Paso–Alamogordo–Las Cruces, Tex.–N. Mex.
Eugene–Springfield–Medford, Oreg.

Fayetteville, N.C.
Fort Lauderdale–Hollywood and West Palm Beach–Boca Raton, Fla.
Fort Smith, Ark.–Okla.
Fort Wayne, Ind.
Gadsden and Anniston, Ala.
Goldsboro, N.C.
Grand Island–Hastings, Nebr.
Guam, Territory of
Harrisburg–Lebanon, Pa.
Knoxville, Tenn.
La Crosse–Sparta, Wis.
Laredo, Tex.
Las Vegas–Tonopah, Nev.
Lexington–Fayette, Ky.
Lima, Ohio
Little Rock–North Little Rock, Ark.
Lorain–Elyria, Ohio
Lower Eastern Shore, Md.–Va.–Del.
Macon, Ga.
Madison, Wis.
Maine (statewide)
Mansfield, Ohio
McAllen–Pharr–Edinburg and Brownsville–Harlingen–San Benito, Tex.
Meridian, Miss.
Middlesex, Monmouth, and Ocean Counties, N.J.
Mobile–Pensacola–Panama City, Ala.–Fla.
Montana (statewide)
Nashville–Davidson, Tenn.
New Bern–Jacksonville, N.C.
New Hampshire (statewide)
North Dakota (statewide)
Northern New York
Northwest Texas
Orlando, Fla.
Oxnard–Simi Valley–Ventura, Calif.
Peoria, Ill.
Phoenix, Ariz.
Pine Bluff, Ark.
Pueblo, Colo.
Puerto Rico
Raleigh–Durham, N.C.
Reno, Nev.

Riverside–San Bernardino–Ontario, Calif.
Salina, Kans.
Salinas–Seaside–Monterey, Calif.
Sandusky, Ohio
Santa Barbara–Santa Maria–Lompoc, Calif.
Savannah, Ga.
Selma, Ala.
Sherman–Denison, Tex.
Shreveport, La.
South Dakota (statewide)
Southeastern Massachusetts
Southern Idaho
Southwest Virginia
Spokane, Wash.
Springfield, Ill.
Stockton, Calif.
Tacoma, Wash.
Tampa–St. Petersburg, Fla.
Topeka, Kans.
Tucson–Douglas, Ariz.
Tulsa, Okla.
Upper Peninsula, Mich.
Vallejo–Fairfield–Napa, Calif.
Vermont (statewide)
Virgin Islands of the U.S.
Waco and Killeen–Temple, Tex.
Waterloo–Cedar Falls, Iowa
West Virginia (statewide)
Western and Northern Massachusetts
Wichita Falls–Lawton–Altus, Tex.–Okla.
Yakima–Richland–Kennewick–Pendleton, Wash.–Oreg.

ALSO AVAILABLE—

An annual report on salaries for accountants, auditors, chief accountants, attorneys, job analysts, directors of personnel, buyers, chemists, engineers, engineering technicians, drafters, and clerical employees is available. Order as BLS Bulletin 2004, National Survey of Professional, Administrative, Technical and Clerical Pay, March 1978, \$2.40 a copy, from any of the BLS regional sales offices shown on the back cover, or from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Area Wage Surveys

A list of the latest bulletins available is presented below. Bulletins may be purchased from any of the BLS regional offices shown on the back cover, or from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Make checks payable to Superintendent of Documents. A directory of occupational wage surveys, covering the years 1970 through 1977, is available on request.

Area	Bulletin number and price *
Akron, Ohio, Dec. 1978	2025-63, \$ 1.00
Albany-Schenectady-Troy, N.Y., Sept. 1979	2050-46, \$ 1.50
Anaheim-Santa Ana-Garden Grove, Calif., Oct. 1978 ¹	2025-65, \$ 1.30
Atlanta, Ga., May 1979	2050-20, \$ 1.30
Baltimore, Md., Aug. 1979	2050-42, \$ 1.75
Billings, Mont., July 1979	2050-43, \$ 1.50
Birmingham, Ala., Mar. 1978	2025-15, 80 cents
Boston, Mass., Aug. 1978 ¹	2025-43, \$ 1.50
Buffalo, N.Y., Oct. 1978 ¹	2025-71, \$ 1.30
Canton, Ohio, May 1978	2025-22, 70 cents
Chattanooga, Tenn.-Ga., Sept. 1979	2050-39, \$ 1.50
Chicago, Ill., May 1979	2050-21, \$ 1.75
Cincinnati, Ohio-Ky.-Ind., July 1979 ¹	2050-28, \$ 2.00
Cleveland, Ohio, Sept. 1979	2050-47, \$ 1.75
Columbus, Ohio, Oct. 1978 ¹	2025-59, \$ 1.50
Corpus Christi, Tex., July 1979 ¹	2050-33, \$ 1.75
Dallas-Fort Worth, Tex., Oct. 1978 ¹	2025-52, \$ 1.50
Davenport-Rock Island-Moline, Iowa-Ill., Feb. 1979	2050-10, \$ 1.00
Dayton, Ohio, Dec. 1978	2025-66, \$ 1.00
Daytona Beach, Fla., Aug. 1979 ¹	2050-41, \$ 1.50
Denver-Boulder, Colo., Dec. 1978	2025-68, \$ 1.20
Detroit, Mich., Mar. 1979 ¹	2050-7, \$ 1.50
Fresno, Calif., June 1979	2050-25, \$ 1.50
Gainesville, Fla., Sept. 1979	2050-45, \$ 1.50
Gary-Hammond-East Chicago, Ind., Oct. 1979 ¹	(To be surveyed)
Green Bay, Wis., July 1979	2050-31, \$ 1.50
Greensboro-Winston-Salem-High Point, N.C., Aug. 1978	2025-46, \$ 1.00
Greenville-Spartanburg, S.C., June 1979 ¹	2050-29, \$ 1.75
Hartford, Conn., Mar. 1979	2050-12, \$ 1.10
Houston, Tex., Apr. 1979	2050-15, \$ 1.30
Huntsville, Ala., Feb. 1979	2050-3, \$ 1.00
Indianapolis, Ind., Oct. 1978 ¹	2025-57, \$ 1.50
Jackson, Miss., Jan. 1979 ¹	2050-9, \$ 1.20
Jacksonville, Fla., Dec. 1978	2025-67, \$ 1.00
Kansas City, Mo.-Kans., Sept. 1978	2025-53, \$ 1.30
Los Angeles-Long Beach, Calif., Oct. 1978 ¹	2025-61, \$ 1.50
Louisville, Ky.-Ind., Nov. 1978	2025-69, \$ 1.00
Memphis, Tenn.-Ark.-Miss., Nov. 1978	2025-62, \$ 1.00

Area	Bulletin number and price *
Miami, Fla., Oct. 1978 ¹	2025-60, \$ 1.30
Milwaukee, Wis., Apr. 1979	2050-8, \$ 1.30
Minneapolis-St. Paul, Minn.-Wis., Jan. 1979	2050-1, \$ 1.30
Nassau-Suffolk, N.Y., June 1979	2050-36, \$ 1.75
Newark, N.J., Jan. 1979	2050-5, \$ 1.30
New Orleans, La., Jan. 1979 ¹	2050-2, \$ 1.30
New York, N.Y.-N.J., May 1979	2050-30, \$ 1.75
Norfolk-Virginia Beach-Portsmouth, Va.-N.C., May 1979 ¹	2050-22, \$ 1.75
Norfolk-Virginia Beach-Portsmouth and Newport News-Hampton, Va.-N.C., May 1978	2025-21, 80 cents
Northeast Pennsylvania, Aug. 1979 ¹	2050-32, \$ 1.75
Oklahoma City, Okla., Aug. 1979	2050-37, \$ 1.50
Omaha, Nebr.-Iowa, Oct. 1978	2025-56, \$ 1.00
Paterson-Clifton-Passaic, N.J., June 1979	2050-26, \$ 1.50
Philadelphia, Pa.-N.J., Nov. 1978	2025-54, \$ 1.30
Pittsburgh, Pa., Jan. 1979 ¹	2050-11, \$ 1.50
Portland, Maine, Dec. 1978 ¹	2025-70, \$ 1.20
Portland, Oreg.-Wash., May 1979	2050-27, \$ 1.75
Poughkeepsie, N.Y., June 1979	2050-34, \$ 1.50
Poughkeepsie-Kingston-Newburgh, N.Y., June 1979	2050-35, \$ 1.50
Providence-Warwick-Pawtucket, R.I.-Mass., June 1979 ¹	2050-38, \$ 1.75
Richmond, Va., June 1979	2050-24, \$ 1.50
St. Louis, Mo.-Ill., Mar. 1979 ¹	2050-13, \$ 1.50
Sacramento, Calif., Dec. 1978	2025-75, \$ 1.00
Saginaw, Mich., Nov. 1978	2025-64, \$ 1.00
Salt Lake City-Ogden, Utah, Nov. 1978 ¹	2025-72, \$ 1.30
San Antonio, Tex., May 1979	2050-17, \$ 1.00
San Diego, Calif., Nov. 1978	2025-73, \$ 1.00
San Francisco-Oakland, Calif., Mar. 1979	2050-14, \$ 1.20
San Jose, Calif., Mar. 1979	2050-19, \$ 1.10
Seattle-Everett, Wash., Dec. 1978	2025-74, \$ 1.00
South Bend, Ind., Aug. 1979 ¹	2050-44, \$ 1.75
Toledo, Ohio-Mich., May 1979	2050-16, \$ 1.10
Trenton, N.J., Sept. 1979	2050-40, \$ 1.50
Utica-Rome, N.Y., July 1978	2025-34, \$ 1.00
Washington, D.C.-Md.-Va., Mar. 1979	2050-4, \$ 1.20
Wichita, Kans., Apr. 1979	2050-18, \$ 1.00
Worcester, Mass., Apr. 1979	2050-23, \$ 1.50
York, Pa., Feb. 1979	2050-6, \$ 1.00

* Prices are determined by the Government Printing Office and are subject to change.

¹ Data on establishment practices and supplementary wage provisions are also presented.

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