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Area Wage Survey

Chicago, Illinois, Metropolitan Area, May 1979



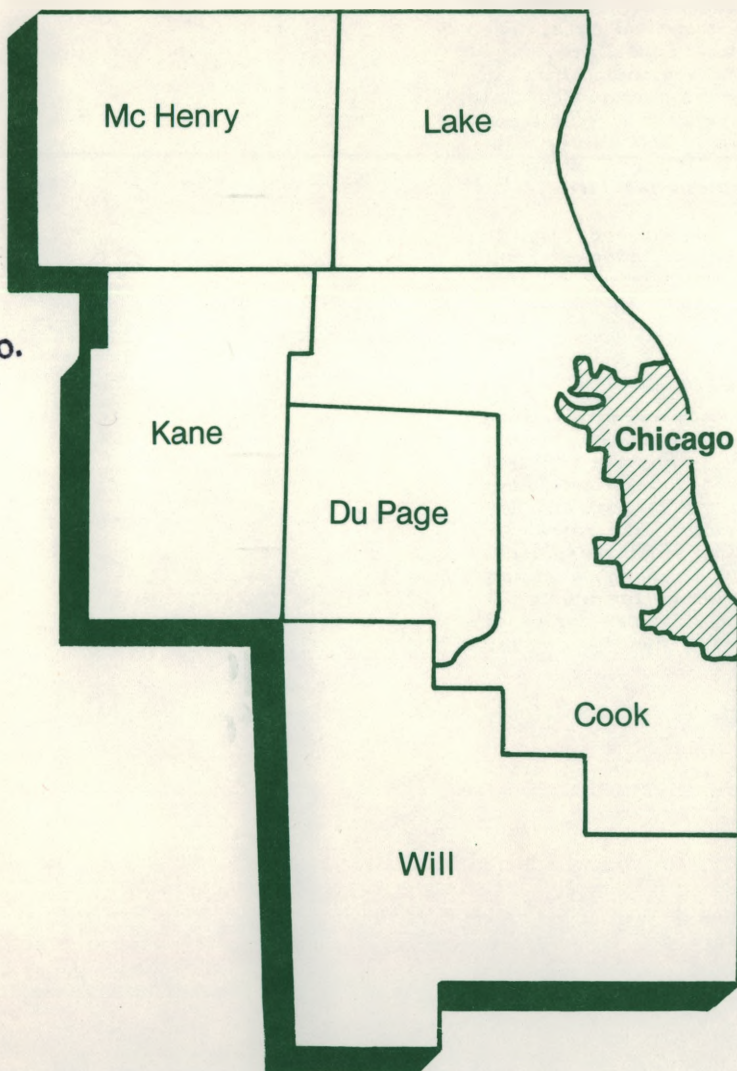
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Preface

This bulletin provides results of a May 1979 survey of occupational earnings in the Chicago, Illinois, 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:

Reports on occupational earnings and supplementary wage provisions in the Chicago area are available for the women's and misses' dresses (August 1977), machinery manufacturing (January 1978), computer and data processing (March 1978), and hotels and motels (May 1978) industries. Also available are reports on occupational earnings only for the laundry and dry cleaning industry (May 1979), as well as listings of union wage rates for building trades, printing trades, local-transit operating employees, local truckdrivers and helpers, and grocery store employees. Finally, a report on occupational earnings and supplementary wage provisions for municipal government workers is available for the city of Chicago. Free copies of these are available from the Bureau's regional offices. (See back cover for addresses.)

Area Wage Survey

Chicago, Illinois, Metropolitan Area, May 1979



U.S. Department of Labor
Ray Marshall, Secretary
Bureau of Labor Statistics
Janet L. Norwood
Commissioner

September 1979

Bulletin 2050-21

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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, Chicago, Ill., May 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	105 AND UNDER	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400 AND OVER
						110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400	
SECRETARIES.....	19,699	38.5	\$243.00	\$235.00	\$205.00-4270.50	-	4	18	58	93	148	506	662	1185	1366	3256	3193	3012	2020	1424	981	566	470	331	247	159
MANUFACTURING.....	8,046	39.0	245.50	234.00	207.00-270.50	-	-	5	25	20	24	139	251	486	540	1377	1461	1249	749	502	303	227	221	214	178	75
NONMANUFACTURING.....	11,653	38.5	241.50	236.00	203.50-270.50	-	4	13	33	73	124	367	411	699	826	1879	1732	1763	1271	922	678	339	249	117	69	84
PUBLIC UTILITIES.....	1,403	39.0	295.50	305.00	244.50-334.50	-	-	-	-	-	13	2	29	83	90	112	87	101	143	292	199	163	68	45	66	
WHOLESALE TRADE.....	1,757	39.0	249.50	240.50	216.00-271.50	-	-	-	-	7	27	34	31	46	359	319	261	321	170	51	19	69	29	7	7	
FINANCE.....	4,293	37.5	228.00	225.00	197.00-250.00	-	-	13	13	18	62	138	162	342	454	751	743	775	340	259	127	68	3	7	12	4
SERVICES.....	1,933	38.0	222.50	216.00	184.00-253.00	-	4	-	15	49	27	151	149	144	154	321	286	225	153	104	43	87	11	5	3	2
SECRETARIES, CLASS A.....	1,504	39.0	303.80	297.50	264.50-331.50	-	-	-	-	-	-	-	-	-	-	16	137	199	200	251	228	123	88	73	130	59
MANUFACTURING.....	722	39.0	314.50	305.00	264.50-370.00	-	-	-	-	-	-	-	-	-	-	11	38	110	73	107	83	50	49	44	122	39
NONMANUFACTURING.....	782	38.5	292.50	293.50	259.50-315.00	-	-	-	-	-	-	-	-	-	-	5	103	89	127	144	145	73	39	29	8	20
PUBLIC UTILITIES.....	157	39.5	335.00	320.00	310.50-354.50	-	-	-	-	-	-	-	-	-	-	-	-	6	4	14	52	27	28	9	4	13
WHOLESALE TRADE.....	196	39.0	279.00	269.00	244.50-295.50	-	-	-	-	-	-	-	-	-	-	3	43	17	65	30	8	4	8	14	-	4
FINANCE.....	283	38.0	285.00	290.00	259.00-312.00	-	-	-	-	-	-	-	-	-	-	-	34	41	39	72	67	22	2	6	-	-
SERVICES.....	84	38.0	291.00	293.00	259.00-322.00	-	-	-	-	-	-	-	-	-	-	1	10	14	3	20	13	18	1	-	2	2
SECRETARIES, CLASS B.....	4,058	38.5	259.00	249.50	228.50-282.00	-	-	-	-	-	3	16	21	148	549	846	835	577	413	238	132	79	100	55	46	
MANUFACTURING.....	1,461	38.5	263.00	253.00	230.00-289.00	-	-	-	-	-	-	4	5	55	159	294	320	198	166	87	46	34	48	22	23	
NONMANUFACTURING.....	2,597	38.5	257.00	248.50	227.00-278.00	-	-	-	-	-	3	12	16	93	390	552	515	379	247	151	86	45	52	33	23	
PUBLIC UTILITIES.....	311	39.5	305.50	303.50	260.00-344.50	-	-	-	-	-	-	-	2	1	13	25	35	22	55	75	4	13	38	14	14	
WHOLESALE TRADE.....	674	39.5	251.50	240.00	215.50-270.00	-	-	-	-	-	-	3	-	12	179	116	98	130	60	23	12	22	9	7	3	
RETAIL TRADE.....	270	39.0	228.00	226.50	207.50-250.00	-	-	-	-	-	1	3	10	29	70	62	69	12	14	-	-	-	-	-	-	
FINANCE.....	947	37.5	255.50	247.50	230.00-271.00	-	-	-	-	-	-	1	4	40	69	252	219	160	90	51	41	1	1	12	6	
SERVICES.....	395	37.5	251.50	247.50	230.00-267.00	-	-	-	-	-	2	5	-	11	59	97	94	55	28	2	29	9	4	-	-	
SECRETARIES, CLASS C.....	4,792	38.5	248.50	240.00	211.00-276.00	-	4	-	5	6	18	39	100	326	779	737	840	804	531	341	232	157	144	137	41	31
MANUFACTURING.....	2,482	39.0	254.50	242.50	217.50-278.50	-	-	-	5	-	-	1	7	155	110	365	485	448	292	155	84	100	111	115	29	12
NONMANUFACTURING.....	2,310	38.5	242.00	236.00	204.50-271.50	-	4	-	6	18	38	93	171	161	372	355	356	239	186	144	57	53	22	12	19	
PUBLIC UTILITIES.....	392	39.0	293.50	298.50	260.00-305.00	-	-	-	-	-	-	1	-	1	21	48	21	53	60	111	15	14	16	12	19	
WHOLESALE TRADE.....	318	39.0	261.50	252.00	231.00-285.50	-	-	-	-	-	3	3	9	7	27	63	64	55	28	16	1	39	6	-	-	
FINANCE.....	904	38.0	231.50	235.00	201.50-254.00	-	-	-	-	3	7	36	87	71	168	142	199	98	81	7	5	-	-	-	-	
SERVICES.....	543	37.5	220.00	210.00	187.00-241.50	-	4	-	6	12	24	49	60	55	92	91	54	30	16	14	36	-	-	-	-	
SECRETARIES, CLASS D.....	4,560	38.5	219.50	210.50	193.50-239.00	-	-	-	23	28	19	187	221	486	696	1115	667	576	184	81	105	40	108	8	15	1
MANUFACTURING.....	1,880	39.0	217.00	208.00	190.00-234.50	-	-	-	10	5	2	81	130	195	289	474	298	183	83	29	41	21	26	7	5	1
NONMANUFACTURING.....	2,680	38.0	221.00	212.00	195.00-241.50	-	-	-	13	23	17	106	91	291	407	641	369	393	101	52	64	19	82	1	10	-
PUBLIC UTILITIES.....	395	38.5	261.00	231.50	195.50-324.50	-	-	-	-	-	-	13	1	27	81	50	33	21	14	3	44	15	82	1	10	-
WHOLESALE TRADE.....	171	39.0	244.00	237.00	220.50-268.00	-	-	-	-	-	-	-	-	6	36	48	28	26	21	4	2	-	-	-	-	
FINANCE.....	1,450	37.5	213.50	210.50	195.50-236.00	-	-	-	13	13	14	34	35	157	244	392	214	245	34	13	2	-	-	-	-	
SERVICES.....	517	37.5	210.50	206.00	184.00-228.00	-	-	-	10	-	53	37	61	58	126	69	49	23	15	14	2	-	-	-	-	
SECRETARIES, CLASS E.....	2,025	38.5	205.50	200.00	175.00-231.50	-	-	18	30	53	86	203	235	200	153	362	344	119	111	72	8	15	16	-	-	
MANUFACTURING.....	980	38.5	206.50	207.00	184.00-226.00	-	-	5	10	15	22	57	107	101	70	247	235	54	31	21	5	-	-	-	-	
NONMANUFACTURING.....	1,045	38.0	204.50	191.00	168.00-233.50	-	-	13	20	34	64	146	128	99	83	115	109	65	80	51	7	15	16	-	-	
FINANCE.....	282	37.0	182.00	176.00	161.00-195.50	-	-	13	-	5	42	63	35	32	28	8	50	3	3	-	-	-	-	-	-	
SERVICES.....	363	38.5	190.50	177.00	163.50-208.00	-	-	-	15	33	15	72	58	23	30	43	19	14	29	12	-	-	-	-	-	
STENOGRAPHERS.....	3,084	38.5	239.50	226.50	194.00-286.00	-	-	-	-	14	50	144	264	204	235	454	425	225	251	263	194	244	44	26	24	3
MANUFACTURING.....	1,175	39.5	249.50	246.00	200.00-299.50	-	-	-	-	4	29	32	91	57	77	125	141	78	159	90	131	131	24	6	-	
NONMANUFACTURING.....	1,909	38.5	233.00	220.00	191.00-269.50	-	-	-	-	10	21	112	173	147	158	329	284	147	92	173	63	133	20	24	3	
PUBLIC UTILITIES.....	549	39.5	299.00	296.00	286.00-326.00	-	-	-	-	1	13	1	2	8	14	15	15	62	170	61	120	20	20	24	3	
FINANCE.....	764	37.5	202.50	201.00	178.50-221.00	-	-	-	-	10	12	57	134	70	78	172	144	86	1	-	-	-	-	-	-	

See footnotes at end of tables.

Table A-1. Weekly earnings of office workers, Chicago, Ill., May 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	105	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400	
						AND UNDER 110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400	AND OVER	
STENOGRAPHERS--CONTINUED																											
STENOGRAPHERS, SENIOR.....	1,589	39.0	\$245.00	\$232.00	\$205.00-\$275.50	-	-	-	-	-	4	40	107	86	90	257	309	165	173	69	59	143	35	25	24	3	
MANUFACTURING.....	724	39.5	260.50	263.50	218.50-303.00	-	-	-	-	-	1	2	26	39	43	86	97	59	138	54	42	119	19	6	-	-	
NONMANUFACTURING.....	865	38.5	232.50	221.00	197.50-243.00	-	-	-	-	-	3	38	81	56	47	171	212	136	35	13	17	24	16	19	24	3	
PUBLIC UTILITIES.....	124	39.0	333.00	341.00	297.00-373.00	-	-	-	-	-	-	-	-	-	1	1	3	1	18	12	15	11	16	19	24	3	
FINANCE.....	438	38.0	210.00	213.00	184.50-230.00	-	-	-	-	-	-	16	63	50	41	94	101	72	1	-	-	-	-	-	-	-	
STENOGRAPHERS, GENERAL.....	1,491	38.5	233.00	216.50	184.00-290.50	-	-	-	-	14	46	104	156	118	145	194	116	60	78	194	135	121	9	1	-	-	
MANUFACTURING.....	447	39.0	232.50	222.50	176.00-297.00	-	-	-	-	-	4	28	30	64	27	34	36	44	19	21	34	89	12	5	-	-	
NONMANUFACTURING.....	1,044	38.5	233.90	213.50	186.00-289.00	-	-	-	-	10	18	74	92	91	111	158	72	41	57	160	46	109	4	1	-	-	
PUBLIC UTILITIES.....	425	40.0	289.00	293.00	278.50-323.00	-	-	-	-	-	1	13	1	2	7	13	12	14	44	154	46	109	4	1	-	-	
FINANCE.....	326	37.0	192.00	192.00	172.50-204.00	-	-	-	-	10	12	41	71	20	37	78	43	14	-	-	-	-	-	-	-	-	
TRANSCRIBING-MACHINE TYPISTS.....	1,109	38.0	182.00	183.50	160.00-195.00	-	1	-	37	124	74	122	166	201	126	159	62	10	3	-	6	14	-	-	-	-	
MANUFACTURING.....	427	38.5	192.00	188.00	174.00-207.00	-	-	-	1	-	43	48	62	72	44	90	53	5	3	-	6	-	-	-	-	-	
NONMANUFACTURING.....	682	38.0	176.00	173.50	150.00-190.00	-	1	-	36	124	31	74	104	129	82	69	9	5	-	-	-	14	-	-	-	-	
FINANCE.....	287	37.5	180.00	184.50	162.00-195.00	-	1	-	5	32	23	24	16	91	39	50	3	3	-	-	-	-	-	-	-	-	
TYPISTS.....	6,899	38.5	182.00	172.50	152.00-195.50	-	64	196	433	823	763	974	812	819	440	605	365	148	82	82	94	108	27	19	45	-	
MANUFACTURING.....	2,682	39.0	190.00	178.50	160.00-204.00	-	1	43	76	248	296	333	367	309	237	297	165	54	52	30	80	87	2	4	1	-	
NONMANUFACTURING.....	4,217	38.5	177.00	166.00	149.50-189.00	-	63	153	357	575	467	641	445	510	203	308	209	94	30	52	14	21	25	15	44	-	
PUBLIC UTILITIES.....	287	39.5	274.50	282.50	187.50-358.50	-	-	-	-	-	6	24	20	23	8	15	6	23	17	50	10	1	25	15	44	-	
WHOLESALE TRADE.....	460	39.5	184.50	178.50	157.50-190.00	-	-	-	18	35	88	30	67	102	20	52	16	2	6	-	4	20	-	-	-	-	
RETAIL TRADE.....	709	39.5	180.00	170.00	156.00-204.00	-	-	2	38	82	65	163	70	87	13	75	87	25	2	-	-	-	-	-	-	-	
FINANCE.....	1,819	38.0	158.50	157.50	146.50-172.50	-	32	87	235	350	278	342	186	182	67	38	22	-	-	-	-	-	-	-	-	-	
SERVICES.....	942	38.0	177.00	179.00	144.00-204.00	-	31	64	66	104	30	82	102	116	95	128	69	44	5	2	-	-	-	-	-	-	
TYPISTS, CLASS A.....	2,758	38.5	202.00	189.00	170.00-222.00	-	-	47	49	99	136	346	374	371	256	328	296	137	70	39	72	107	26	4	1	-	
MANUFACTURING.....	1,224	39.5	212.50	196.50	175.50-230.00	-	-	2	2	25	48	130	164	143	140	172	129	47	48	29	60	87	2	4	1	-	
NONMANUFACTURING.....	1,534	38.0	194.00	184.00	165.00-214.00	-	-	45	47	74	88	216	210	228	116	156	147	90	22	19	12	20	24	-	-	-	
PUBLIC UTILITIES.....	118	39.5	263.50	258.50	191.50-301.00	-	-	-	-	-	3	1	8	17	4	1	5	21	9	17	4	-	24	-	-	-	
FINANCE.....	572	37.5	167.50	166.50	149.50-184.00	-	-	45	45	71	67	89	80	62	58	33	22	-	-	-	-	-	-	-	-	-	
SERVICES.....	332	37.5	205.50	200.00	180.00-230.00	-	-	-	-	3	6	19	44	43	43	58	65	44	5	2	-	-	-	-	-	-	
TYPISTS, CLASS B.....	4,109	38.5	169.00	161.00	146.50-181.50	-	64	149	384	724	614	624	438	446	171	277	69	11	12	43	22	1	1	15	44	-	
MANUFACTURING.....	1,426	38.5	171.00	166.00	150.00-183.00	-	1	41	74	223	235	199	203	164	84	125	36	7	4	10	20	-	-	-	-	-	
NONMANUFACTURING.....	2,683	38.5	167.50	159.50	144.00-176.50	-	63	108	310	501	379	425	235	282	87	152	33	4	8	33	2	1	1	15	44	-	
PUBLIC UTILITIES.....	169	39.5	282.50	285.00	184.00-390.50	-	-	-	-	-	3	23	12	6	4	14	1	2	8	33	2	1	1	15	44	-	
WHOLESALE TRADE.....	309	39.5	169.50	167.00	150.00-185.00	-	-	-	16	35	86	24	34	69	16	21	8	-	-	-	-	-	-	-	-	-	
RETAIL TRADE.....	344	39.5	166.00	158.50	144.00-178.00	-	-	2	38	82	55	62	25	14	6	42	20	2	-	-	-	-	-	-	-	-	
FINANCE.....	1,247	38.0	155.00	154.00	144.00-163.00	-	32	42	190	279	211	253	106	129	9	5	-	-	-	-	-	-	-	-	-	-	
SERVICES.....	610	38.0	161.50	161.00	136.00-185.00	-	31	64	66	105	24	63	58	73	52	70	4	-	-	-	-	-	-	-	-	-	
FILE CLERKS.....	3,531	38.5	152.00	140.00	125.00-161.90	7	604	523	582	560	312	260	171	99	64	85	103	31	25	27	8	12	15	11	30	2	
MANUFACTURING.....	593	39.0	169.50	160.00	139.00-187.50	-	14	66	76	67	74	55	60	38	16	28	68	12	10	4	2	1	-	-	-	-	
NONMANUFACTURING.....	2,938	38.0	148.50	138.00	123.50-155.50	7	590	457	506	493	238	205	111	61	48	57	35	19	15	21	6	11	15	11	30	2	
PUBLIC UTILITIES.....	247	39.5	253.50	249.00	164.00-326.00	-	-	15	-	-	36	23	4	3	4	25	12	14	15	29	6	11	15	11	30	2	
WHOLESALE TRADE.....	259	39.5	158.50	156.00	141.00-165.00	-	-	-	23	74	55	57	8	13	15	10	4	-	-	-	-	-	-	-	-	-	
RETAIL TRADE.....	142	39.0	133.50	126.00	116.50-140.50	-	60	19	22	17	10	4	1	2	3	2	2	-	-	-	-	-	-	-	-	-	
FINANCE.....	1,611	38.0	142.00	138.00	128.50-149.50	7	112	380	364	363	118	101	71	40	20	17	17	1	-	-	-	-	-	-	-	-	
FILE CLERKS, CLASS A.....	336	38.0	198.00	190.50	156.00-221.00	-	-	37	9	25	28	20	26	22	25	44	35	18	13	16	4	9	1	-	-	2	
MANUFACTURING.....	99	39.0	218.50	212.50	190.00-249.00	-	-	3	-	5	-	3	9	5	9	19	15	12	10	6	2	1	-	-	-	-	
NONMANUFACTURING.....	237	37.5	189.00	176.50	148.50-215.00	-	-	34	9	20	28	17	17	17	16	25	20	6	3	10	4	8	1	-	-	2	
FINANCE.....	144	37.0	172.00	176.00	132.50-199.50	-	-	34	9	8	11	3	15	15	14	17	17	1	-	-	-	-	-	-	-	-	

See footnotes at end of tables.

Table A-1. Weekly earnings of office workers, Chicago, Ill., May 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	105 AND UNDER	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400 AND OVER	
						110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400		
FILE CLERKS - CONTINUED																											
FILE CLERKS, CLASS B.....	1,207	38.5	\$161.50	\$148.00	\$134.50-\$166.00	-	51	174	213	181	155	161	76	52	35	15	17	13	3	11	2	3	14	11	20	-	-
MANUFACTURING.....	256	39.0	152.00	150.00	135.00-165.00	-	14	38	51	24	41	33	21	9	6	8	11	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING.....	951	38.0	164.00	148.00	134.50-167.00	-	37	136	162	157	114	128	55	43	29	7	6	13	3	11	2	3	14	11	20	-	-
PUBLIC UTILITIES.....	126	40.0	266.50	278.50	167.50-357.00	-	-	15	-	-	10	9	4	3	4	2	2	13	3	11	2	3	14	11	20	-	-
FINANCE.....	572	38.0	144.00	141.50	129.00-157.00	-	37	119	97	131	49	88	21	24	6	-	-	-	-	-	-	-	-	-	-	-	-
SERVICES.....	118	37.5	152.50	153.50	135.00-170.50	-	-	2	51	3	19	11	26	1	4	1	-	-	-	-	-	-	-	-	-	-	-
FILE CLERKS, CLASS C.....	1,988	38.5	139.00	134.50	116.00-145.50	7	553	312	360	354	129	79	69	25	4	26	51	-	9	-	-	-	-	-	-	10	-
MANUFACTURING.....	238	38.5	167.50	160.00	145.00-180.00	-	-	25	25	38	33	19	30	24	1	1	42	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING.....	1,750	38.5	135.00	130.50	115.00-144.00	7	553	287	335	316	96	60	39	1	3	25	9	-	9	-	-	-	-	-	-	10	-
RETAIL TRADE.....	133	39.0	130.00	126.00	116.00-136.00	-	60	19	22	14	8	3	-	-	3	2	-	-	-	-	-	-	-	-	-	-	-
FINANCE.....	895	38.5	136.50	135.00	125.00-144.00	7	75	227	258	224	58	10	35	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MESSENGERS.....																											
MANUFACTURING.....	2,562	38.5	156.00	147.00	130.00-167.50	11	182	419	372	467	281	249	132	74	90	105	56	58	11	26	25	4	-	-	-	-	-
NONMANUFACTURING.....	568	39.0	171.50	160.00	143.00-190.00	4	4	56	49	102	56	85	33	34	35	42	25	14	7	2	16	4	-	-	-	-	-
PUBLIC UTILITIES.....	1,994	38.5	151.50	145.00	128.50-161.00	7	178	363	323	365	225	164	99	40	55	63	31	44	4	24	9	-	-	-	-	-	-
WHOLESALE TRADE.....	250	39.5	204.00	182.00	158.00-251.50	-	-	-	6	9	58	38	14	9	5	17	13	44	4	24	9	-	-	-	-	-	-
RETAIL TRADE.....	163	38.5	160.00	150.00	147.00-172.50	-	-	-	25	60	17	15	9	4	33	-	-	-	-	-	-	-	-	-	-	-	-
FINANCE.....	232	39.5	152.00	145.00	136.50-161.50	-	1	43	21	74	30	28	7	7	7	2	12	-	-	-	-	-	-	-	-	-	-
SERVICES.....	966	37.5	137.00	135.00	123.00-147.50	4	167	249	191	148	87	61	38	15	6	-	-	-	-	-	-	-	-	-	-	-	-
SWITCHBOARD OPERATORS.....	1,317	38.5	179.50	170.00	138.00-204.00	20	35	54	245	56	138	106	102	140	69	125	53	48	29	25	37	26	9	-	-	-	-
MANUFACTURING.....	240	39.0	200.50	186.50	161.00-209.50	-	-	-	1	7	43	23	33	33	16	32	10	7	6	3	5	19	2	-	-	-	-
NONMANUFACTURING.....	1,077	38.5	175.00	163.50	131.50-199.00	20	35	54	244	49	95	83	69	107	53	93	43	41	23	22	32	7	7	-	-	-	-
PUBLIC UTILITIES.....	133	39.5	270.00	266.50	247.50-302.50	-	-	-	-	-	-	-	3	2	6	3	11	30	21	16	29	5	7	-	-	-	-
WHOLESALE TRADE.....	132	39.0	197.00	191.00	180.00-206.00	-	-	-	3	-	3	2	39	7	35	2	4	-	-	2	2	-	-	-	-	-	-
RETAIL TRADE.....	172	39.5	163.00	152.00	131.50-192.00	-	5	32	18	30	4	22	9	6	17	13	12	2	2	-	-	-	-	-	-	-	-
FINANCE.....	179	38.5	184.50	179.00	171.00-196.00	-	-	4	10	5	7	16	48	34	12	21	16	-	-	6	-	-	-	-	-	-	-
SERVICES.....	491	38.0	145.00	131.50	130.00-153.00	20	30	18	213	14	81	42	7	26	11	21	2	5	-	-	1	-	-	-	-	-	-
SWITCHBOARD OPERATOR-RECEPTIONISTS.....																											
MANUFACTURING.....	2,214	39.0	182.50	178.00	159.50-199.50	-	32	72	60	168	237	306	330	317	141	285	149	22	14	21	8	7	-	4	41	-	-
NONMANUFACTURING.....	1,028	39.0	184.50	180.00	160.00-205.00	-	-	13	32	58	133	131	142	137	100	128	102	14	14	9	8	7	-	4	41	-	-
PUBLIC UTILITIES.....	1,186	38.5	181.00	175.00	152.50-191.50	-	32	59	28	110	104	175	188	180	41	157	47	8	-	12	-	-	-	4	41	-	-
WHOLESALE TRADE.....	60	40.0	341.50	380.50	329.00-390.50	-	-	-	-	-	-	-	-	-	-	4	11	-	-	-	-	-	-	-	-	-	-
RETAIL TRADE.....	382	39.5	181.00	180.00	160.00-200.00	-	-	-	18	36	31	23	53	116	4	79	7	8	-	12	-	-	-	-	-	-	-
FINANCE.....	57	39.0	178.00	175.00	168.00-189.50	-	-	1	4	1	10	18	14	-	3	5	-	-	-	-	-	-	-	-	-	-	-
SERVICES.....	397	37.5	160.50	163.00	144.00-179.50	-	32	45	6	44	31	88	88	19	24	2	14	-	-	-	-	-	-	-	-	-	-
ORDER CLERKS.....	2,652	39.5	212.50	200.00	170.00-249.00	-	-	62	39	144	140	231	217	272	174	353	267	244	106	152	154	25	16	51	2	3	-
MANUFACTURING.....	1,465	39.0	205.00	190.00	165.50-234.00	-	-	6	16	96	88	192	145	174	100	207	93	110	106	58	16	13	13	29	-	3	-
NONMANUFACTURING.....	1,187	39.5	221.50	219.00	180.00-256.00	-	-	56	23	48	52	39	72	98	74	146	174	134	-	94	138	12	3	22	2	-	-
WHOLESALE TRADE.....	945	39.5	237.50	228.00	190.00-287.50	-	-	-	-	15	35	21	40	94	58	107	170	134	-	94	138	12	3	22	2	-	-
ORDER CLERKS, CLASS A.....	1,031	39.0	251.50	246.50	211.50-287.50	-	-	-	-	5	12	25	54	53	168	148	149	86	139	121	24	16	28	-	3	-	-
MANUFACTURING.....	547	39.0	246.50	239.00	203.50-273.00	-	-	-	-	-	4	16	36	32	122	64	70	86	45	16	12	13	28	-	3	-	-
ORDER CLERKS, CLASS B.....	1,610	39.5	187.50	180.00	160.00-205.00	-	-	62	39	144	132	217	192	217	121	181	118	95	20	13	33	1	-	23	2	-	-
MANUFACTURING.....	907	39.0	180.00	174.50	160.00-190.00	-	-	6	16	96	85	186	129	137	68	81	28	40	20	13	-	1	-	1	-	-	-
NONMANUFACTURING.....	703	39.5	197.50	190.00	161.00-226.50	-	-	56	23	48	47	31	63	80	53	100	90	55	-	-	33	-	-	22	2	-	-
WHOLESALE TRADE.....	461	39.5	217.00	200.00	180.00-233.00	-	-	-	-	15	30	13	31	76	37	61	86	55	-	-	33	-	-	22	2	-	-

See footnotes at end of tables.

Table A-1. Weekly earnings of office workers, Chicago, Ill., May 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	105 AND UNDER 110	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400			
							120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400				
ACCOUNTING CLERKS.....	12+25C	38.5	\$207.00	\$191.80	\$170.00-\$227.00	-	13	101	253	552	956	1158	1458	1233	1146	1798	1054	772	412	277	252	253	289	80	181	12			
MANUFACTURING.....	4+R45	38.5	207.50	199.50	172.50-230.00	-	-	10	42	107	363	428	559	525	413	812	614	331	303	107	84	46	43	31	25	2			
NONMANUFACTURING.....	7+405	39.0	206.50	190.00	166.50-225.00	-	13	91	211	445	593	730	899	708	733	986	440	441	109	170	168	207	246	49	156	10			
PUBLIC UTILITIES.....	1+406	39.5	294.50	312.50	251.50-348.50	-	-	-	-	44	21	53	20	100	50	35	163	21	96	158	203	230	46	156	10				
WHOLESALE TRADE.....	1+718	39.0	199.50	193.50	170.00-223.00	-	-	-	31	83	102	143	212	205	224	273	171	141	59	51	4	4	13	2	-	-			
RETAIL TRADE.....	1+436	39.0	185.00	184.00	160.00-206.00	-	-	58	48	104	143	137	153	148	167	269	129	40	23	11	2	-	2	-	-	-			
FINANCE.....	1+921	38.0	180.50	177.00	163.00-193.00	-	13	-	79	118	205	294	366	267	176	257	69	66	2	6	3	-	-	-	-	-			
SERVICES.....	924	37.5	175.00	170.00	150.50-195.00	-	-	33	53	138	99	135	115	68	66	137	36	31	4	6	1	-	1	1	-	-			
ACCOUNTING CLERKS, CLASS A.....	5+174	39.0	228.50	211.50	189.00-257.50	-	-	-	-	16	167	264	413	514	523	1070	537	506	244	212	194	137	203	64	98	12			
MANUFACTURING.....	2+223	38.5	225.00	215.00	191.00-249.50	-	-	-	-	6	49	110	184	167	216	472	354	219	195	71	67	26	37	23	25	2			
NONMANUFACTURING.....	2+951	39.0	231.50	207.00	187.00-257.50	-	-	-	-	10	118	154	229	347	307	598	183	287	49	141	127	111	166	41	73	10			
PUBLIC UTILITIES.....	717	40.0	318.50	324.00	295.50-357.00	-	-	-	-	2	-	9	8	13	9	4	87	8	80	117	107	152	38	73	10				
WHOLESALE TRADE.....	665	39.5	213.50	200.00	189.00-241.50	-	-	-	-	5	10	49	15	148	71	159	33	79	31	42	4	4	13	2	-	-			
RETAIL TRADE.....	526	39.0	199.00	197.00	179.50-215.00	-	-	-	-	3	25	36	69	48	110	135	62	25	4	7	2	-	-	-	-	-			
FINANCE.....	759	38.0	196.50	192.00	173.00-211.00	-	-	-	-	79	60	80	121	102	187	54	65	2	6	3	-	-	-	-	-	-			
SERVICES.....	284	37.0	208.00	204.00	184.00-222.50	-	-	-	-	2	9	56	22	11	108	30	31	4	6	1	-	1	1	-	-	-			
ACCOUNTING CLERKS, CLASS A.....	7+076	38.5	191.00	178.50	160.00-207.00	-	13	101	253	536	789	894	1045	719	623	728	517	266	168	65	58	116	86	16	43	-			
MANUFACTURING.....	2+622	38.5	192.50	185.00	165.00-212.00	-	-	10	42	101	314	318	375	358	197	340	260	112	108	36	17	20	6	8	-	-			
NONMANUFACTURING.....	4+454	38.5	190.50	175.00	157.50-202.50	-	13	91	211	435	475	576	670	361	426	388	257	154	60	29	41	96	80	8	83	-			
PUBLIC UTILITIES.....	689	39.5	270.00	251.50	191.00-336.50	-	-	-	-	42	21	44	12	87	41	31	76	13	16	41	96	78	8	83	-	-			
WHOLESALE TRADE.....	1+053	39.0	190.50	186.00	168.00-213.00	-	-	-	31	78	92	98	197	57	153	114	138	62	28	9	-	-	-	-	-	-			
RETAIL TRADE.....	910	39.5	176.50	174.00	150.00-200.00	-	-	58	48	103	118	101	84	100	57	134	67	15	19	4	-	-	2	-	-	-			
FINANCE.....	1+162	37.5	170.00	170.50	156.00-182.50	-	13	-	79	114	126	234	286	146	74	70	15	1	-	-	-	-	-	-	-	-			
SERVICES.....	640	38.0	160.50	160.00	144.00-175.00	-	-	33	53	136	97	126	59	46	55	29	6	-	-	-	-	-	-	-	-	-			
BOOKKEEPING-MACHINE OPERATORS.....	373	38.0	185.50	172.50	159.00-210.50	-	-	14	33	20	34	59	52	44	13	20	22	20	18	24	-	-	-	-	-	-			
MANUFACTURING.....	101	39.0	212.50	200.50	180.00-240.00	-	-	-	-	5	4	3	2	34	1	9	11	6	14	12	-	-	-	-	-	-			
NONMANUFACTURING.....	272	37.5	175.50	167.00	150.00-180.00	-	-	14	33	15	30	56	50	10	12	11	11	14	4	12	-	-	-	-	-	-			
BOOKKEEPING-MACHINE OPERATORS, CLASS A.....	134	38.0	190.50	180.00	160.00-220.00	-	-	13	13	-	-	24	5	26	11	5	9	14	2	12	-	-	-	-	-	-			
BOOKKEEPING-MACHINE OPERATORS, CLASS B.....	239	38.0	183.00	172.50	158.00-200.50	-	-	1	20	20	34	35	47	18	2	15	13	6	16	12	-	-	-	-	-	-			
MANUFACTURING.....	59	39.5	204.00	185.00	184.00-231.00	-	-	-	-	5	4	1	2	18	1	9	5	-	14	-	-	-	-	-	-	-			
NONMANUFACTURING.....	180	37.5	176.00	167.00	150.00-172.50	-	-	1	20	15	30	34	45	-	1	6	4	6	2	12	-	-	-	-	-	-			
MACHINE-BILLERS.....	422	39.0	259.50	221.00	177.00-333.50	-	-	-	13	-	57	22	30	33	15	31	29	13	-	-	19	56	-	-	104	-			
MANUFACTURING.....	129	39.5	200.50	200.00	178.50-221.00	-	-	-	-	-	29	1	17	6	1	30	29	13	-	-	2	1	-	-	-	-			
NONMANUFACTURING.....	293	39.0	285.50	331.00	177.00-390.50	-	-	-	13	-	28	21	13	27	14	1	-	-	-	-	17	55	-	-	104	-			
PUBLIC UTILITIES.....	176	40.0	364.50	390.50	331.00-390.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	55	-	-	104	-			
BILLING-MACHINE BILLERS.....	409	39.5	261.50	221.00	178.50-390.50	-	-	-	13	-	55	18	30	33	15	25	29	13	-	-	19	55	-	-	104	-			
MANUFACTURING.....	122	39.5	199.00	200.00	175.00-221.00	-	-	-	-	-	29	1	17	6	1	24	29	13	-	-	2	-	-	-	-	-			
NONMANUFACTURING.....	287	39.0	288.00	331.00	180.00-390.50	-	-	-	13	-	26	17	13	27	14	1	-	-	-	-	17	55	-	-	104	-			
PUBLIC UTILITIES.....	176	40.0	364.50	390.50	331.00-390.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	55	-	-	104	-			
PAYROLL CLERKS.....	2+023	39.0	219.50	210.00	180.50-241.00	-	-	2	52	44	74	158	154	153	176	312	331	194	112	87	45	47	13	31	31	7			
MANUFACTURING.....	1+053	39.0	222.50	215.50	184.00-251.00	-	-	-	-	20	20	28	76	73	79	166	172	95	98	49	16	21	10	22	4	-			
NONMANUFACTURING.....	970	39.0	216.50	205.00	176.00-240.00	-	-	2	32	24	46	82	81	74	96	126	159	99	14	38	29	26	3	9	23	7			
PUBLIC UTILITIES.....	181	39.5	291.00	295.00	245.50-340.00	-	-	-	-	-	-	-	-	1	29	8	3	28	3	28	17	24	3	7	23	7			
WHOLESALE TRADE.....	225	39.5	222.00	226.00	199.00-240.50	-	-	-	-	-	18	2	10	12	33	11	68	49	6	-	12	2	-	2	-	-			
RETAIL TRADE.....	195	39.0	176.50	168.00	150.00-196.00	-	-	2	25	17	25	32	19	23	5	17	22	2	1	5	-	-	-	-	-	-			
FINANCE.....	149	37.5	200.00	200.00	178.50-221.00	-	-	-	-	-	-	22	21	12	14	40	28	8	4	-	-	-	-	-	-	-			
SERVICES.....	220	38.0	195.50	193.00	172.50-219.00	-	-	-	7	7	3	26	31	26	15	50	38	12	-	5	-	-	-	-	-	-			

See footnotes at end of tables.

Table A-1. Weekly earnings of office workers, Chicago, Ill., May 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	105	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400
						AND UNDER 110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400	AND OVER
KEY ENTRY OPERATORS.....	6,691	39.0	\$201.50	\$193.00	\$172.50-\$219.50	-	-	13	125	265	337	636	846	883	773	1145	613	453	171	64	227	83	37	20	-	-
MANUFACTURING.....	2,525	39.0	205.50	195.50	176.50-223.00	-	-	5	41	75	102	188	338	300	337	463	274	142	62	22	79	53	37	7	-	-
NONMANUFACTURING.....	4,166	39.0	199.50	190.00	172.00-218.00	-	-	8	84	190	235	448	508	583	436	682	339	311	109	42	148	30	-	13	-	-
PUBLIC UTILITIES.....	562	40.0	237.50	242.00	192.00-277.00	-	-	-	-	-	27	19	43	47	45	59	40	99	62	10	106	5	-	-	-	-
WHOLESALE TRADE.....	1,024	39.5	205.50	195.00	176.00-216.50	-	-	-	-	51	12	98	138	80	185	200	59	76	14	15	42	21	-	13	-	-
RETAIL TRADE.....	632	39.5	201.00	197.00	178.00-225.00	-	-	-	-	4	36	21	60	44	131	31	89	134	60	14	4	-	4	-	-	-
FINANCE.....	1,288	38.0	179.00	173.00	158.50-194.00	-	-	8	80	102	146	207	225	170	88	152	44	39	16	11	-	-	-	-	-	-
SERVICES.....	680	39.0	196.00	194.00	180.00-215.00	-	-	-	-	1	29	64	58	155	87	182	62	37	3	2	-	-	-	-	-	-
KEY ENTRY OPERATORS, CLASS A.....	2,859	39.0	213.00	200.00	182.00-233.50	-	-	5	22	85	53	195	288	375	354	490	334	258	104	37	140	72	27	20	-	-
MANUFACTURING.....	1,179	39.0	215.50	204.00	184.00-232.00	-	-	5	11	34	15	64	132	130	135	207	199	91	39	4	31	46	27	7	-	-
NONMANUFACTURING.....	1,680	39.0	212.00	199.00	182.00-236.00	-	-	-	-	11	51	38	131	156	245	283	135	167	65	31	109	26	-	13	-	-
PUBLIC UTILITIES.....	312	40.0	249.00	257.50	203.50-295.50	-	-	-	-	-	-	-	19	22	27	40	26	41	55	10	67	5	-	-	-	-
WHOLESALE TRADE.....	414	39.0	224.50	200.00	192.00-248.00	-	-	-	-	-	6	39	30	21	89	78	15	44	1	15	42	21	-	13	-	-
FINANCE.....	495	37.5	183.50	185.00	168.50-197.50	-	-	-	-	11	41	31	45	78	105	67	80	26	11	-	-	-	-	-	-	-
SERVICES.....	306	39.0	201.00	193.00	182.00-218.00	-	-	-	-	1	-	38	18	81	28	73	27	35	3	2	-	-	-	-	-	-
KEY ENTRY OPERATORS, CLASS B.....	3,802	39.0	193.00	187.00	168.00-210.00	-	-	8	103	178	282	435	556	502	413	649	279	195	67	27	87	11	10	-	-	-
MANUFACTURING.....	1,316	39.0	197.00	190.50	171.50-210.00	-	-	-	30	39	85	118	204	164	196	250	75	51	23	16	48	7	10	-	-	-
NONMANUFACTURING.....	2,486	39.0	191.00	185.00	164.50-210.00	-	-	8	73	139	197	317	352	338	217	399	204	144	44	11	39	4	-	-	-	-
PUBLIC UTILITIES.....	250	40.0	223.00	211.50	177.50-253.50	-	-	-	-	-	27	19	24	25	18	19	14	58	7	-	39	-	-	-	-	-
WHOLESALE TRADE.....	590	39.5	192.00	190.00	176.00-210.00	-	-	-	-	51	6	59	108	59	96	122	44	32	13	-	-	-	-	-	-	-
RETAIL TRADE.....	479	39.5	197.00	189.50	175.00-220.50	-	-	-	-	4	27	20	51	33	115	23	77	93	24	8	-	-	4	-	-	-
FINANCE.....	793	38.0	176.00	169.00	155.50-184.50	-	-	8	69	61	115	162	147	65	21	72	18	28	16	11	-	-	-	-	-	-
SERVICES.....	374	38.5	192.00	194.00	178.00-207.00	-	-	-	-	-	29	26	40	74	59	109	35	2	-	-	-	-	-	-	-	-

See footnotes at end of tables.

Table A-2. Weekly earnings of professional and technical workers, Chicago, Ill., May 1979

Occupation and industry division	Number of women	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	AND UNDER																				
						140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	540	580
COMPUTER SYSTEMS ANALYSTS																										
(BUSINESS).....	3,616	38.5	\$417.00	\$415.00	\$364.00-\$465.00	-	-	-	1	2	8	28	122	134	230	284	398	343	353	394	337	256	222	330	117	57
MANUFACTURING.....	1,302	39.0	424.00	420.50	374.00-465.00	-	-	-	-	-	6	3	17	17	68	89	178	134	136	178	109	114	90	83	47	33
NONMANUFACTURING.....	2,314	38.5	413.50	412.50	355.00-464.00	-	-	-	1	2	2	25	105	117	162	195	220	209	217	216	228	142	132	247	70	24
PUBLIC UTILITIES.....	667	38.5	466.50	476.00	418.50-517.50	-	-	-	-	-	-	6	5	2	30	22	29	63	56	60	54	53	187	60	18	
WHOLESALE TRADE.....	273	39.0	403.50	395.00	350.00-454.50	-	-	-	-	-	-	2	15	8	6	57	25	25	25	13	31	12	38	16	-	-
FINANCE.....	937	38.0	378.00	374.00	330.50-422.50	-	-	-	1	2	1	17	83	90	107	78	114	102	86	102	71	43	11	17	6	6
SERVICES.....	93	39.0	389.00	383.50	335.50-432.50	-	-	-	-	-	1	-	2	10	11	7	8	16	9	8	11	2	4	2	2	-
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A.....																										
MANUFACTURING.....	1,632	39.0	450.50	442.50	410.00-483.00	-	-	-	-	-	-	-	16	9	17	51	117	113	183	259	226	174	144	169	97	57
NONMANUFACTURING.....	598	39.0	453.00	437.00	404.00-491.00	-	-	-	-	-	-	-	3	-	6	16	57	39	69	125	53	55	44	59	39	33
PUBLIC UTILITIES.....	1,034	39.0	449.00	450.50	413.00-481.00	-	-	-	-	-	-	-	13	9	11	35	60	74	114	134	173	119	100	110	58	24
FINANCE.....	252	39.5	500.50	499.50	454.00-543.50	-	-	-	-	-	-	-	-	-	-	-	-	6	17	20	29	33	21	60	48	18
SERVICES.....	410	38.0	420.50	422.50	384.50-451.50	-	-	-	-	-	-	-	13	7	11	18	43	46	58	70	61	43	11	17	6	6
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B.....																										
MANUFACTURING.....	1,619	38.5	398.50	384.50	350.00-441.50	-	-	-	-	-	2	7	55	65	168	183	262	206	158	103	84	68	78	160	20	-
NONMANUFACTURING.....	568	39.0	401.00	385.00	362.50-446.00	-	-	-	-	-	1	2	9	13	52	51	112	85	58	24	39	45	46	23	8	-
PUBLIC UTILITIES.....	1,051	38.5	397.50	383.00	346.00-435.00	-	-	-	-	-	-	1	5	46	52	116	132	150	121	100	79	45	23	32	137	12
FINANCE.....	400	37.5	357.00	355.50	326.50-391.00	-	-	-	-	-	-	5	42	41	72	46	69	55	28	32	10	-	-	-	-	-
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS C.....																										
MANUFACTURING.....	353	39.0	349.00	331.50	306.50-399.00	-	-	-	1	2	6	21	51	60	42	47	19	18	12	32	27	14	-	1	-	-
NONMANUFACTURING.....	136	39.5	391.50	412.00	354.00-432.50	-	-	-	-	-	5	1	5	4	10	22	9	10	9	29	17	14	-	1	-	-
SERVICES.....	217	38.5	323.00	316.50	288.00-342.50	-	-	-	1	2	1	20	46	56	32	25	10	8	3	3	10	-	-	-	-	-
COMPUTER PROGRAMMERS (BUSINESS).....																										
MANUFACTURING.....	4,148	39.0	325.00	314.00	275.00-365.50	-	-	-	18	91	141	404	575	446	503	470	366	302	227	213	111	79	31	26	13	5
NONMANUFACTURING.....	1,549	39.0	320.00	313.50	274.50-358.50	-	-	-	18	58	68	134	182	177	176	173	181	113	78	79	41	27	20	14	11	2
PUBLIC UTILITIES.....	2,599	39.0	327.50	315.00	276.00-374.00	-	-	-	33	73	270	193	269	327	297	185	192	149	134	86	84	59	17	15	11	5
WHOLESALE TRADE.....	420	39.0	368.00	369.00	308.50-412.00	-	-	-	-	-	8	14	38	30	28	36	40	71	36	22	36	28	10	5	2	11
FINANCE.....	363	39.0	298.00	279.00	253.50-337.00	-	-	-	16	13	70	83	43	26	32	26	23	9	12	4	3	6	-	-	-	-
SERVICES.....	1,182	38.5	321.50	307.00	271.50-372.50	-	-	-	16	32	121	225	152	92	127	83	77	92	80	36	33	9	4	3	-	-
MANUFACTURING.....	149	38.5	313.00	293.50	264.50-330.00	-	-	-	1	20	15	20	24	22	15	4	2	1	5	5	-	15	-	-	-	-
COMPUTER PROGRAMMERS (BUSINESS), CLASS A.....																										
MANUFACTURING.....	1,194	39.0	384.00	384.00	340.00-425.50	-	-	-	-	-	17	38	74	73	95	148	128	144	144	97	91	71	30	26	13	5
NONMANUFACTURING.....	479	39.0	367.00	358.50	326.50-407.50	-	-	-	-	-	17	22	26	35	60	80	54	47	45	27	22	18	13	11	2	-
PUBLIC UTILITIES.....	715	39.0	395.00	394.00	352.00-436.50	-	-	-	-	-	-	16	48	38	35	68	74	97	99	70	69	53	17	15	11	5
FINANCE.....	114	39.5	438.00	424.50	392.00-455.50	-	-	-	-	-	-	-	-	1	-	9	14	11	14	25	13	4	5	2	11	5
SERVICES.....	387	38.5	383.00	386.50	354.00-414.50	-	-	-	-	-	-	6	33	20	22	24	46	78	74	35	33	9	4	3	-	-
COMPUTER PROGRAMMERS (BUSINESS), CLASS B.....																										
MANUFACTURING.....	1,737	39.0	312.00	306.00	276.00-337.00	-	-	-	19	23	149	320	208	328	273	157	93	49	61	26	14	5	1	-	-	-
NONMANUFACTURING.....	694	38.5	312.50	307.00	277.50-336.00	-	-	-	6	12	38	131	138	131	71	64	21	26	34	14	5	2	1	-	-	-
PUBLIC UTILITIES.....	1,036	39.0	312.00	305.50	274.00-337.00	-	-	-	13	11	111	189	70	197	202	93	72	23	27	12	13	3	-	-	-	-
FINANCE.....	89	40.0	362.00	356.00	316.50-432.00	-	-	-	-	-	1	11	3	8	12	15	15	-	1	7	13	3	-	-	-	-
SERVICES.....	439	38.0	306.00	305.00	274.00-339.00	-	-	-	13	2	36	119	43	31	91	55	29	14	5	1	-	-	-	-	-	-
MANUFACTURING.....	65	38.5	292.00	286.00	262.50-310.50	-	-	-	-	-	5	11	13	13	11	6	-	1	5	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS (BUSINESS), CLASS C.....																										
MANUFACTURING.....	1,084	38.5	282.50	269.50	248.50-312.00	-	-	-	18	72	116	232	183	129	85	70	47	81	32	8	4	2	3	-	-	-
NONMANUFACTURING.....	340	38.5	267.50	251.50	222.00-311.00	-	-	-	18	52	56	79	29	13	10	18	25	35	5	-	-	-	-	-	-	-
PUBLIC UTILITIES.....	744	38.5	289.50	277.00	254.00-312.00	-	-	-	20	62	153	154	116	75	52	22	46	27	8	4	2	3	-	-	-	-
FINANCE.....	217	38.5	333.50	330.50	284.00-379.50	-	-	-	-	-	8	13	27	27	19	24	16	42	25	7	4	2	3	-	-	-
SERVICES.....	356	38.5	273.50	268.50	248.50-289.00	-	-	-	3	30	85	100	76	41	14	4	2	-	1	-	-	-	-	-	-	-

See footnotes at end of tables.

Table A-2. Weekly earnings of professional and technical workers, Chicago, Ill., May 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	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	540	580				
						AND UNDER 160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	540	580	AND OVER				
COMPUTER OPERATORS.....	3,795	39.0	\$256.50	\$250.00	\$215.00-\$285.00	53	198	364	453	514	565	582	361	181	188	109	58	51	19	44	50	-	3	2	-	-				
MANUFACTURING.....	1,442	38.5	264.00	255.00	223.50-290.00	4	20	133	156	232	218	214	165	86	73	35	24	25	14	34	9	-	-	-	-					
NONMANUFACTURING.....	2,353	39.0	251.50	243.00	207.00-280.50	49	178	231	297	282	347	368	196	95	115	74	34	26	5	10	41	-	3	2	-					
PUBLIC UTILITIES.....	350	40.0	303.50	276.50	269.50-322.50	-	-	9	13	2	25	128	15	34	49	29	7	8	3	8	15	-	3	2	-					
WHOLESALE TRADE.....	425	39.5	259.00	245.00	215.00-275.00	12	12	14	102	41	61	85	28	6	6	13	6	13	-	-	26	-	-	-	-					
RETAIL TRADE.....	219	39.5	267.00	258.00	214.00-323.50	3	11	32	16	32	17	9	16	15	33	13	15	3	2	2	-	-	-	-	-					
FINANCE.....	846	38.5	234.00	235.50	194.00-267.50	16	103	125	94	106	148	115	86	30	13	7	3	-	-	-	-	-	-	-	-					
SERVICES.....	513	39.0	233.00	238.00	200.00-258.00	18	52	51	72	101	96	31	51	10	14	12	3	2	-	-	-	-	-	-	-					
COMPUTER OPERATORS, CLASS A.....	1,352	39.0	287.00	279.00	246.00-320.50	-	31	15	49	128	253	207	187	136	134	72	44	25	13	40	13	-	3	2	-					
MANUFACTURING.....	498	39.0	300.50	289.50	259.00-326.00	-	-	-	11	21	94	89	69	68	47	29	11	15	10	31	7	-	-	-	-					
NONMANUFACTURING.....	854	39.5	279.00	274.50	240.00-315.00	-	31	15	38	107	159	118	118	68	87	43	33	10	3	9	10	-	3	2	-					
PUBLIC UTILITIES.....	111	40.0	355.00	325.50	310.50-382.50	-	-	-	-	-	-	8	23	33	13	6	5	1	7	10	-	-	-	-	-					
WHOLESALE TRADE.....	114	39.0	269.50	264.00	249.50-283.00	-	-	-	12	3	25	44	14	4	6	-	6	-	-	-	-	-	-	-	-					
FINANCE.....	271	38.5	264.50	264.50	240.00-286.50	-	-	15	20	24	63	54	47	25	13	7	3	-	-	-	-	-	-	-	-					
COMPUTER OPERATORS, CLASS B.....	1,635	39.0	251.50	246.00	215.00-270.50	1	60	156	230	283	248	321	158	41	52	23	4	11	6	4	37	-	-	-	-					
MANUFACTURING.....	668	38.5	254.50	244.00	222.50-278.50	-	6	46	91	150	115	105	88	14	24	5	3	8	4	7	6	-	-	-	-					
NONMANUFACTURING.....	967	39.0	249.50	244.50	209.50-269.50	1	54	110	139	137	133	214	70	27	28	18	1	3	2	1	31	-	-	-	-					
WHOLESALE TRADE.....	226	39.5	260.50	240.00	215.00-271.50	-	-	12	57	34	36	41	14	2	-	-	-	-	-	-	26	-	-	-	-					
FINANCE.....	347	38.5	234.00	239.00	200.00-265.00	1	51	35	29	59	73	56	38	5	-	-	-	-	-	-	-	-	-	-	-					
SERVICES.....	135	38.5	239.00	230.00	200.00-281.50	-	-	26	31	20	14	9	17	9	9	-	-	-	-	-	-	-	-	-	-					
COMPUTER OPERATORS, CLASS C.....	796	39.0	215.00	204.00	184.50-235.00	52	107	193	168	100	61	54	16	4	2	14	10	15	-	-	-	-	-	-	-					
MANUFACTURING.....	276	38.5	222.00	213.00	186.50-234.00	4	14	87	54	61	9	20	8	4	2	1	10	2	-	-	-	-	-	-	-					
NONMANUFACTURING.....	520	39.0	211.50	202.50	178.50-237.50	48	93	106	114	39	52	34	8	-	-	13	-	13	-	-	-	-	-	-	-					
FINANCE.....	228	39.0	197.00	191.50	178.50-214.00	15	52	75	45	23	12	5	1	-	-	-	-	-	-	-	-	-	-	-	-					
SERVICES.....	137	39.0	200.50	203.00	165.00-232.00	19	21	25	34	16	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-					
DRAFTERS.....	4,840	39.5	288.50	280.50	246.00-328.00	6	74	183	284	496	510	705	650	522	429	368	235	135	70	70	75	11	9	8	-					
MANUFACTURING.....	2,456	39.5	292.00	282.00	248.50-335.00	2	45	101	160	235	220	386	295	221	220	218	116	80	51	41	40	11	9	5	-					
NONMANUFACTURING.....	2,384	39.5	285.50	280.00	244.00-320.00	4	29	82	124	261	290	319	355	301	209	150	119	55	19	29	35	-	-	-	-					
PUBLIC UTILITIES.....	254	40.0	355.00	350.50	328.00-380.50	-	1	-	1	2	10	14	21	5	52	26	55	14	6	16	24	-	-	-	-					
SERVICES.....	1,903	39.5	277.00	276.00	241.50-308.00	4	22	80	87	217	260	294	311	266	144	103	49	38	11	11	6	-	-	-	-					
DRAFTERS, CLASS A.....	1,797	39.5	327.50	315.00	289.00-352.00	-	-	-	-	22	44	187	357	328	244	207	115	101	26	67	71	11	9	8	-					
MANUFACTURING.....	841	39.5	337.00	333.00	292.50-364.50	-	-	-	-	18	7	95	122	98	125	143	72	54	7	38	37	11	9	5	-					
NONMANUFACTURING.....	956	39.5	319.00	304.00	284.00-340.00	-	-	-	-	4	37	92	235	230	119	64	43	47	19	29	34	-	-	-	-					
PUBLIC UTILITIES.....	73	39.5	420.50	429.00	389.00-449.50	-	-	-	-	-	1	1	-	-	-	-	1	5	12	6	16	28	-	-	-					
SERVICES.....	805	39.5	308.50	300.00	283.00-324.00	-	-	-	-	4	35	91	218	214	108	47	28	32	11	11	6	-	-	-	-					
DRAFTERS, CLASS B.....	1,757	39.5	286.00	275.00	250.00-318.00	-	-	20	45	215	310	346	228	159	104	128	119	32	44	3	4	-	-	-	-					
MANUFACTURING.....	960	39.5	289.00	279.50	252.00-318.50	-	-	20	28	112	127	195	130	108	61	62	43	24	44	3	3	-	-	-	-					
NONMANUFACTURING.....	797	39.5	282.50	266.00	247.50-316.00	-	-	-	17	103	183	151	98	51	43	66	76	8	-	-	1	-	-	-	-					
PUBLIC UTILITIES.....	64	40.0	365.50	374.50	365.00-379.50	-	-	-	-	-	-	-	-	1	5	5	50	2	-	-	-	-	-	-	-					
SERVICES.....	688	39.5	274.50	262.00	244.00-298.00	-	-	-	12	94	180	144	91	48	36	56	21	6	-	-	-	-	-	-	-					
DRAFTERS, CLASS C.....	1,172	39.5	240.50	234.00	206.00-270.00	4	51	136	229	237	144	161	65	28	81	33	1	2	-	-	-	-	-	-	-					
MANUFACTURING.....	566	39.0	242.50	238.00	209.50-270.00	-	25	55	123	86	81	95	43	8	34	13	1	2	-	-	-	-	-	-	-					
NONMANUFACTURING.....	606	39.5	238.00	226.50	200.00-267.50	4	26	81	106	151	63	66	22	20	47	20	-	-	-	-	-	-	-	-	-					
PUBLIC UTILITIES.....	99	40.0	317.50	328.00	297.50-328.00	-	-	-	-	2	3	3	20	4	47	20	-	-	-	-	-	-	-	-	-					
SERVICES.....	403	40.0	219.50	220.00	196.00-240.00	4	20	79	75	116	44	59	2	4	-	-	-	-	-	-	-	-	-	-	-					
DRAFTER-TRACERS.....	114	39.0	216.00	203.50	188.50-241.00	2	23	27	10	22	12	11	-	7	-	-	-	-	-	-	-	-	-	-	-					
MANUFACTURING.....	89	39.0	208.50	199.00	182.00-223.00	2	20	26	9	19	5	1	-	7	-	-	-	-	-	-	-	-	-	-	-					

See footnotes at end of tables.

Table A-2. Weekly earnings of professional and technical workers, Chicago, Ill., May 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	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	540	580
						AND UNDER 160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	540	580	AND OVER
ELECTRONICS TECHNICIANS.....	777	39.5	\$310.50	\$295.00	\$261.00-\$363.50	-	13	1	15	68	88	97	135	67	52	25	74	16	109	16	1	-	-	-	-	
MANUFACTURING.....	561	40.0	293.00	287.50	250.00- 325.50	-	13	1	15	66	76	71	117	50	44	18	36	11	42	-	1	-	-	-	-	
ELECTRONICS TECHNICIANS, CLASS A.....	341	40.0	365.50	370.00	321.00- 413.00	-	-	-	-	-	4	8	37	31	30	17	72	16	109	16	1	-	-	-	-	
MANUFACTURING.....	216	39.5	343.50	339.00	301.00- 376.50	-	-	-	-	-	4	8	37	31	30	16	36	11	42	-	1	-	-	-	-	
ELECTRONICS TECHNICIANS, CLASS B.....	286	39.5	281.00	280.00	261.00- 295.00	-	-	-	3	7	55	74	85	30	22	8	2	-	-	-	-	-	-	-	-	
MANUFACTURING.....	213	40.0	275.50	275.00	255.00- 290.00	-	-	-	3	7	49	56	69	13	14	2	-	-	-	-	-	-	-	-	-	
REGISTERED INDUSTRIAL NURSES.....	468	39.5	296.50	286.00	260.00- 322.50	-	-	-	16	32	68	83	87	51	33	21	43	23	6	7	-	1	-	-	-	
MANUFACTURING.....	364	39.5	295.00	283.50	259.00- 322.50	-	-	-	16	27	53	65	64	38	24	17	32	21	4	5	-	-	-	-	-	
NONMANUFACTURING.....	102	39.0	301.50	292.50	271.00- 320.50	-	-	-	-	5	15	18	23	13	9	4	8	2	2	2	-	1	-	-	-	

See footnotes at end of tables.

Table A-3. Average weekly earnings of office, professional, and technical workers, by sex, Chicago, Ill., May 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:				SECRETARIES - CONTINUED				FILE CLERKS--CONTINUED			
MANUFACTURING.....	214	38.5	\$176.00	SECRETARIES, CLASS D.....	4,370	38.5	\$220.00	MANUFACTURING.....	568	39.0	169.00
FINANCE.....	625	37.5	136.50	MANUFACTURING.....	1,706	39.0	218.00	NONMANUFACTURING.....	2,691	38.0	146.00
SERVICES.....	187	38.0	146.00	NONMANUFACTURING.....	2,664	38.0	221.00	PUBLIC UTILITIES.....	175	39.5	248.00
ORDER CLERKS:				WHOLESALE TRADE:				FINANCE:			
MANUFACTURING.....	672	39.0	260.00	PUBLIC UTILITIES.....	395	38.5	261.00	MANUFACTURING.....	1,462	38.0	142.50
MANUFACTURING.....	295	38.5	262.00	WHOLESALE TRADE.....	171	39.0	284.00	MANUFACTURING.....	307	38.0	190.50
ORDER CLERKS, CLASS A.....	577	39.0	267.00	FINANCE.....	1,449	37.5	213.50	MANUFACTURING.....	98	39.0	218.50
MANUFACTURING.....	231	38.5	275.00	SERVICES.....	514	37.5	210.50	NONMANUFACTURING.....	209	37.5	177.00
ACCOUNTING CLERKS:				SECRETARIES, CLASS E.....				FINANCE:			
SERVICES.....	71	38.5	177.50	MANUFACTURING.....	1,993	38.5	204.00	MANUFACTURING.....	141	37.0	172.00
ACCOUNTING CLERKS, CLASS B:				NONMANUFACTURING.....				FILE CLERKS, CLASS B.....			
SERVICES.....	58	38.5	162.00	FINANCE.....	976	38.5	206.50	MANUFACTURING.....	1,080	38.5	159.50
PAYROLL CLERKS:				NONMANUFACTURING.....				NONMANUFACTURING.....			
MANUFACTURING.....	198	39.5	256.50	SERVICES.....	1,017	38.0	201.00	MANUFACTURING.....	255	39.0	152.00
OFFICE OCCUPATIONS - WOMEN				STENOGRAPHERS.....				NONMANUFACTURING.....			
SECRETARIES.....	17,258	38.5	242.00	MANUFACTURING.....	2,825	38.5	238.50	NONMANUFACTURING.....	825	38.0	161.5C
MANUFACTURING.....	7,676	39.0	246.00	MANUFACTURING.....	1,168	39.5	249.00	PUBLIC UTILITIES.....	88	40.0	274.00
PUBLIC UTILITIES.....	1,355	39.0	298.00	NONMANUFACTURING.....	1,657	38.0	231.00	FINANCE.....	498	37.5	148.00
WHOLESALE TRADE.....	1,755	39.0	249.00	PUBLIC UTILITIES.....	465	39.5	294.00	SERVICES.....	104	37.5	149.50
FINANCE.....	3,893	37.5	227.50	STENOGRAPHERS, SENIOR.....	1,482	39.0	247.00	FILE CLERKS, CLASS C.....	1,872	38.5	137.50
SERVICES.....	1,930	38.0	222.50	MANUFACTURING.....	721	39.5	260.00	MANUFACTURING.....	215	38.5	167.00
SECRETARIES, CLASS A.....				NONMANUFACTURING.....				NONMANUFACTURING.....			
MANUFACTURING.....	683	39.0	303.50	PUBLIC UTILITIES.....	761	38.0	238.50	FINANCE.....	823	38.5	136.50
NONMANUFACTURING.....	761	38.5	293.00	STENOGRAPHERS, GENERAL.....	1,339	38.5	229.50	MANUFACTURING.....	334	39.0	169.50
PUBLIC UTILITIES.....	157	39.5	333.00	MANUFACTURING.....	483	39.0	231.50	SERVICES.....	196	38.0	158.00
WHOLESALE TRADE.....	196	39.0	279.00	NONMANUFACTURING.....	896	38.0	228.00	SWITCHBOARD OPERATORS.....	1,202	38.5	176.50
FINANCE.....	262	38.0	286.00	TRANSCRIBING-MACHINE TYPISTS.....	1,060	38.0	182.00	MANUFACTURING.....	228	39.0	201.00
SERVICES.....	84	38.0	291.00	MANUFACTURING.....	391	38.5	192.00	NONMANUFACTURING.....	974	38.5	170.50
SECRETARIES, CLASS B.....				TYPISTS.....				PUBLIC UTILITIES.....			
MANUFACTURING.....	3,781	38.5	259.50	MANUFACTURING.....	6,320	38.5	181.00	WHOLESALE TRADE.....	108	39.5	268.00
MANUFACTURING.....	1,426	38.5	263.00	NONMANUFACTURING.....	2,651	39.0	190.00	FINANCE.....	102	39.0	197.00
NONMANUFACTURING.....	2,355	38.0	257.50	PUBLIC UTILITIES.....	3,669	38.0	175.00	SERVICES.....	158	38.5	185.00
PUBLIC UTILITIES.....	298	39.5	302.00	WHOLESALE TRADE.....	274	39.5	270.50	SWITCHBOARD OPERATOR-RECEPTIONISTS.....	2,172	39.0	182.50
WHOLESALE TRADE.....	672	39.5	251.50	FINANCE.....	460	39.5	184.50	MANUFACTURING.....	1,022	39.0	183.50
FINANCE.....	804	37.0	256.50	SERVICES.....	1,722	38.0	158.50	NONMANUFACTURING.....	1,150	38.5	181.50
SERVICES.....	395	37.5	251.50	TYPISTS, CLASS A.....	934	38.0	177.00	PUBLIC UTILITIES.....	60	40.0	341.50
SECRETARIES, CLASS C.....				TYPISTS, CLASS B.....				WHOLESALE TRADE.....			
MANUFACTURING.....	4,404	38.5	250.00	MANUFACTURING.....	2,361	38.5	203.50	RETAIL TRADE.....	382	39.5	181.00
NONMANUFACTURING.....	2,364	39.0	258.50	MANUFACTURING.....	1,215	39.0	212.00	FINANCE.....	57	39.0	178.00
NONMANUFACTURING.....	2,040	38.0	248.50	PUBLIC UTILITIES.....	117	39.5	263.50	MANUFACTURING.....	361	37.5	159.50
PUBLIC UTILITIES.....	383	39.0	293.50	FINANCE.....	496	37.0	167.50	SERVICES.....	290	38.0	177.00
WHOLESALE TRADE.....	318	39.0	261.50	SERVICES.....	328	37.5	205.50	ORDER CLERKS.....	1,910	39.5	198.50
SERVICES.....	543	37.5	220.00	TYPISTS, CLASS B.....	3,927	38.5	168.00	MANUFACTURING.....	1,170	39.5	190.50
				MANUFACTURING.....				NONMANUFACTURING.....			
				MANUFACTURING.....				MANUFACTURING.....			
				NONMANUFACTURING.....				NONMANUFACTURING.....			
				PUBLIC UTILITIES.....				WHOLESALE TRADE.....			
				WHOLESALE TRADE.....				ORDER CLERKS, CLASS A.....			
				FINANCE.....				MANUFACTURING.....			
				SERVICES.....				ORDER CLERKS, CLASS B.....			
								MANUFACTURING.....			
								NONMANUFACTURING.....			
								WHOLESALE TRADE.....			

See footnotes at end of tables.

Table A-3. Average weekly earnings of office, professional, and technical workers, by sex, Chicago, Ill., May 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 hour ¹ (standard)	Weekly earnings ¹ (standard)			Weekly hour ¹ (standard)	Weekly earnings ¹ (standard)			Weekly hour ¹ (standard)	Weekly earnings ¹ (standard)
OFFICE OCCUPATIONS - WOMEN--CONTINUED				OFFICE OCCUPATIONS - WOMEN--CONTINUED				PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN--CONTINUED			
ACCOUNTING CLERKS.....	9,954	38.5	\$198.50	KEY ENTRY OPERATORS - CONTINUED				COMPUTER OPERATORS - CONTINUED			
MANUFACTURING.....	4,472	38.5	204.00	KEY ENTRY OPERATORS, CLASS R.....	3,419	39.0	\$192.50	COMPUTER OPERATORS, CLASS A.....	1,001	39.0	\$285.50
WHOLESALE TRADE.....	1,585	39.5	194.50	MANUFACTURING.....	1,252	39.0	196.50	MANUFACTURING.....	382	39.0	305.00
FINANCE.....	1,538	38.0	179.00	NONMANUFACTURING.....	2,167	39.0	190.00	PUBLIC UTILITIES.....	59	40.0	372.00
SERVICES.....	853	37.5	175.00	PUBLIC UTILITIES.....	230	40.0	226.50	WHOLESALE TRADE.....	100	39.0	271.00
ACCOUNTING CLERKS, CLASS A:				WHOLESALE TRADE.....	578	39.5	192.50	FINANCE.....	211	38.5	263.50
MANUFACTURING.....	1,991	38.5	220.50	FINANCE.....	753	38.0	176.50	COMPUTER OPERATORS, CLASS B.....	1,013	38.5	254.50
WHOLESALE TRADE.....	580	39.5	206.50	SERVICES.....	361	39.0	191.00	MANUFACTURING.....	458	38.5	258.00
SERVICES.....	267	37.0	207.00	PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN				NONMANUFACTURING.....	555	39.0	251.50
ACCOUNTING CLERKS, CLASS R.....	6,093	38.5	186.50	COMPUTER SYSTEMS ANALYSTS (BUSINESS):				WHOLESALE TRADE.....	125	39.5	284.00
MANUFACTURING.....	2,481	38.5	191.00	MANUFACTURING.....	1,900	39.0	433.50	FINANCE.....	257	38.5	236.00
NONMANUFACTURING.....	7,612	38.5	183.50	PUBLIC UTILITIES.....	454	39.0	480.50	SERVICES.....	111	39.0	236.50
WHOLESALE TRADE.....	1,005	39.0	187.50	WHOLESALE TRADE.....	189	39.0	419.50	COMPUTER OPERATORS, CLASS C:			
FINANCE.....	988	37.5	170.50	FINANCE.....	608	38.0	381.50	MANUFACTURING.....	153	38.5	224.00
SERVICES.....	586	38.0	160.50	SERVICES.....	60	39.0	387.50	DRAFTERS.....	4,186	39.5	290.50
BOOKKEEPING-MACHINE OPERATORS.....	289	38.0	184.50	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A:				MANUFACTURING.....	2,117	39.5	294.00
MANUFACTURING.....	101	39.0	212.50	MANUFACTURING.....	490	39.0	458.00	NONMANUFACTURING.....	2,069	39.5	286.50
BOOKKEEPING-MACHINE OPERATORS, CLASS R.....	204	38.5	184.50	PUBLIC UTILITIES.....	199	39.5	507.50	PUBLIC UTILITIES.....	199	39.5	363.50
MANUFACTURING.....	59	39.5	204.00	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B.....				SERVICES.....	1,702	39.5	278.50
NONMANUFACTURING.....	147	38.0	177.00	MANUFACTURING.....	993	38.5	409.50	DRAFTERS, CLASS A.....	1,633	39.5	329.00
MACHINE-RILLERS:				MANUFACTURING.....	410	39.0	412.00	MANUFACTURING.....	771	39.5	338.00
MANUFACTURING.....	129	39.5	200.50	FINANCE.....	242	37.5	357.50	NONMANUFACTURING.....	862	39.5	320.50
RILLING-MACHINE RILLERS:				COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS C.....				PUBLIC UTILITIES.....	71	39.5	422.00
MANUFACTURING.....	122	39.5	199.00	MANUFACTURING.....	230	39.0	360.00	SERVICES.....	737	39.5	310.00
PAYROLL CLERKS.....	1,794	39.0	215.50	COMPUTER PROGRAMMERS (BUSINESS):				DRAFTERS, CLASS B.....	1,514	39.5	286.00
MANUFACTURING.....	939	39.0	218.50	MANUFACTURING.....	1,012	39.0	333.00	MANUFACTURING.....	814	39.5	289.00
NONMANUFACTURING.....	855	38.5	212.00	WHOLESALE TRADE.....	262	39.0	301.00	NONMANUFACTURING.....	700	39.5	282.50
PUBLIC UTILITIES.....	139	39.5	276.00	SERVICES.....	81	38.5	344.00	PUBLIC UTILITIES.....	56	40.0	363.50
WHOLESALE TRADE.....	216	39.5	223.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS A:				SERVICES.....	612	39.5	274.50
RETAIL TRADE.....	162	38.5	171.00	MANUFACTURING.....	385	39.0	369.50	DRAFTERS, CLASS C.....	958	39.5	238.50
FINANCE.....	144	37.5	200.00	MANUFACTURING.....	428	39.0	322.50	MANUFACTURING.....	467	39.0	243.50
SERVICES.....	194	38.5	198.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS B:				NONMANUFACTURING.....	491	39.5	233.50
KEY ENTRY OPERATORS.....	6,322	39.0	200.00	MANUFACTURING.....	169	38.5	273.00	PUBLIC UTILITIES.....	60	40.0	315.00
MANUFACTURING.....	2,426	39.0	204.50	COMPUTER OPERATORS.....				SERVICES.....	349	40.0	220.50
NONMANUFACTURING.....	3,596	39.0	197.50	MANUFACTURING.....	2,442	39.0	259.50	DRAFTER-TRACERS.....	81	39.0	212.50
PUBLIC UTILITIES.....	473	40.0	229.50	MANUFACTURING.....	993	38.5	270.50	MANUFACTURING.....	65	39.0	203.50
WHOLESALE TRADE.....	992	39.5	206.00	WHOLESALE TRADE.....	255	39.0	276.50	ELECTRONICS TECHNICIANS.....	768	39.5	311.00
FINANCE.....	1,170	38.0	180.00	SERVICES.....	432	39.5	234.00	MANUFACTURING.....	553	40.0	293.50
SERVICES.....	664	39.0	195.50	COMPUTER PROGRAMMERS (BUSINESS), CLASS C:				ELECTRONICS TECHNICIANS, CLASS A.....	340	40.0	365.50
KEY ENTRY OPERATORS, CLASS A.....	2,573	39.0	211.00	MANUFACTURING.....	169	38.5	273.00	MANUFACTURING.....	216	39.5	343.50
MANUFACTURING.....	1,144	39.0	213.50	COMPUTER OPERATORS.....				ELECTRONICS TECHNICIANS, CLASS B.....	283	39.5	281.50
NONMANUFACTURING.....	1,429	39.0	208.50	MANUFACTURING.....	2,442	39.0	259.50	MANUFACTURING.....	210	40.0	276.00
WHOLESALE TRADE.....	414	39.0	224.50	WHOLESALE TRADE.....	255	39.0	276.50				
FINANCE.....	417	37.5	185.50	SERVICES.....	432	39.5	234.00				
SERVICES.....	303	39.0	201.50								

See footnotes at end of tables.

Table A-3. Average weekly earnings of office, professional, and technical workers, by sex, Chicago, Ill., May 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)
PROFESSIONAL AND TECHNICAL OCCUPATIONS - WOMEN				PROFESSIONAL AND TECHNICAL OCCUPATIONS - WOMEN--CONTINUED				PROFESSIONAL AND TECHNICAL OCCUPATIONS - WOMEN--CONTINUED			
COMPUTER SYSTEMS ANALYSTS (BUSINESS):				COMPUTER PROGRAMMERS (BUSINESS) - CONTINUED				DRAFTERS:			
PUBLIC UTILITIES.....	180	38.5	\$449.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS C:				NONMANUFACTURING.....	271	39.5	\$273.50
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B:				MANUFACTURING.....	171	39.0	\$262.00	SERVICES.....	201	39.5	264.00
FINANCE.....	148	37.5	357.00	COMPUTER OPERATORS:				DRAFTERS, CLASS A:			
COMPUTER PROGRAMMERS (BUSINESS):				MANUFACTURING.....	406	38.5	246.00	NONMANUFACTURING.....	91	39.5	282.50
MANUFACTURING.....	485	38.5	291.50	WHOLESALE TRADE.....	170	39.5	233.00	DRAFTERS, CLASS C.....	194	39.5	246.00
SERVICES.....	68	38.0	276.00	SERVICES.....	81	38.0	228.00	MANUFACTURING.....	91	39.5	234.00
COMPUTER PROGRAMMERS (BUSINESS), CLASS A:				COMPUTER OPERATORS, CLASS A:				NONMANUFACTURING.....	103	39.5	256.50
MANUFACTURING.....	86	38.5	349.00	MANUFACTURING.....	110	38.5	278.00	REGISTERED INDUSTRIAL NURSES.....	430	39.5	295.00
COMPUTER PROGRAMMERS (BUSINESS), CLASS B:				COMPUTER OPERATORS, CLASS B:				MANUFACTURING.....	340	39.5	292.50
MANUFACTURING.....	222	38.0	291.00	MANUFACTURING.....	193	38.5	244.50	NONMANUFACTURING.....	90	39.0	305.50
				COMPUTER OPERATORS, CLASS C:							
				MANUFACTURING.....	103	39.0	213.50				

See footnotes at end of tables.

Table A-4. Hourly earnings of maintenance, toolroom, and powerplant workers, Chicago, Ill., May 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	5.00 AND UNDER		5.20	5.40	5.60	5.80	6.20	6.40	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	13.00
					5.90	5.20	5.40	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	13.00		
MAINTENANCE CARPENTERS.....	488	\$9.32	\$9.27	\$7.55-\$11.50	-	-	-	5	2	17	24	50	36	34	17	15	75	15	25	16	2	3	147	-	2	3	-	
MANUFACTURING.....	238	8.36	8.33	7.37- 9.33	-	-	-	5	2	17	20	16	35	16	16	14	52	13	21	-	1	-	10	-	-	-	-	
NONMANUFACTURING.....	250	10.24	11.50	9.17- 11.50	-	-	-	-	-	-	4	34	1	18	1	1	23	2	4	16	1	3	137	-	2	3	-	
PUBLIC UTILITIES.....	63	8.33	7.90	7.23- 9.24	-	-	-	-	-	-	-	24	-	18	-	-	11	-	-	7	-	-	3	-	-	-	-	
MAINTENANCE ELECTRICIANS.....	2,952	9.44	9.54	8.47- 10.45	-	-	-	6	8	14	55	134	162	227	193	134	213	466	451	375	412	34	16	4	79	4	8	
MANUFACTURING.....	2,200	9.19	9.42	8.20- 10.13	-	-	-	6	8	13	51	129	160	182	184	119	191	313	370	366	22	32	15	3	33	3	-	
NONMANUFACTURING.....	752	10.15	10.66	9.49- 10.84	-	-	-	-	-	1	4	5	2	45	9	15	19	153	81	9	390	2	1	6	1	8	-	
MAINTENANCE PAINTERS.....	326	8.92	9.18	7.91- 10.14	6	2	-	-	-	13	3	28	20	31	23	16	61	25	31	10	57	-	-	-	-	-	-	
MANUFACTURING.....	210	8.52	8.70	7.73- 9.45	6	-	-	-	-	13	2	13	19	29	21	16	37	20	28	1	5	-	-	-	-	-	-	
NONMANUFACTURING.....	116	9.65	10.20	9.17- 10.85	-	2	-	-	-	-	1	15	1	2	2	-	24	5	3	9	52	-	-	-	-	-	-	
MAINTENANCE MACHINISTS.....	2,145	9.11	9.45	8.30- 9.78	-	-	1	1	18	13	34	158	86	199	203	126	135	637	341	34	74	15	18	28	2	1	13	
MANUFACTURING.....	1,863	9.02	9.33	8.01- 9.69	-	-	1	1	18	13	34	158	83	197	181	120	131	480	307	35	23	15	18	28	2	1	13	
MAINTENANCE MECHANICS (MACHINERY).....	4,785	8.73	8.56	7.72- 9.54	-	2	-	11	24	24	284	310	499	439	611	444	94	941	135	439	227	-	41	52	-	-	-	
MANUFACTURING.....	4,344	8.62	8.50	7.65- 9.54	-	2	-	9	20	23	281	305	623	433	598	440	86	923	121	419	7	-	6	52	-	-	-	
NONMANUFACTURING.....	441	9.86	10.66	8.32- 10.84	-	-	-	2	4	1	7	5	76	6	13	4	12	14	14	20	224	-	35	-	-	-	-	
MAINTENANCE MECHANICS (MOTOR VEHICLES).....	2,567	9.73	10.39	8.99- 10.43	1	5	-	11	5	4	5	138	36	52	89	370	174	287	175	814	49	291	45	12	-	-	-	
MANUFACTURING.....	527	8.91	9.28	8.30- 9.57	-	-	-	6	5	-	3	81	7	20	43	63	114	79	54	52	-	-	-	-	-	-	-	
NONMANUFACTURING.....	2,040	9.94	10.33	9.19- 10.50	1	5	-	5	-	4	2	57	29	32	46	307	60	208	121	766	49	291	45	12	-	-	-	
PUBLIC UTILITIES.....	1,304	10.16	10.43	10.03- 10.63	1	5	-	5	-	-	-	39	13	22	22	4	41	149	83	556	43	291	10	-	-	-	-	
MAINTENANCE PIPEFITTERS.....	766	9.33	9.47	8.51- 10.10	-	-	-	6	-	-	28	36	56	35	40	88	78	85	131	104	33	-	3	1	-	38	-	
MANUFACTURING.....	664	9.08	9.37	8.31- 10.06	-	-	-	6	-	-	28	36	50	32	40	83	69	85	131	102	1	-	3	1	-	-	-	
NONMANUFACTURING.....	102	10.97	10.84	9.47- 12.93	-	-	-	-	-	-	-	-	6	3	-	8	9	-	-	4	32	-	-	-	-	38	-	
MAINTENANCE SHEET-METAL WORKERS.....	174	9.45	9.58	8.64- 10.22	-	-	-	-	-	-	-	3	15	-	16	23	7	39	15	48	3	3	-	1	1	-	-	
MANUFACTURING.....	173	9.43	9.54	8.64- 10.22	-	-	-	-	-	-	-	3	15	-	16	23	7	39	15	48	3	3	-	1	-	-	-	
MILLWRIGHTS.....	1,189	9.31	9.54	9.23- 9.88	-	-	-	-	-	5	72	2	64	24	22	63	237	389	138	173	-	-	-	-	-	-	-	
MANUFACTURING.....	1,179	9.32	9.61	9.23- 9.88	-	-	-	-	-	5	72	2	59	19	22	63	237	389	138	173	-	-	-	-	-	-	-	
MAINTENANCE TRADES HELPERS.....	853	7.04	7.05	6.34- 8.02	44	15	23	47	66	89	125	165	31	65	98	26	47	-	12	-	-	-	-	-	-	-	-	
MANUFACTURING.....	517	6.95	6.79	5.95- 8.25	43	12	20	46	59	35	81	9	3	62	98	26	23	-	-	-	-	-	-	-	-	-	-	
MACHINE-TOOL OPERATORS (TOOLROOM).....	1,346	8.65	8.58	7.65- 9.71	3	-	-	-	-	13	29	279	29	216	104	94	87	181	118	154	27	12	-	-	-	-	-	
MANUFACTURING.....	1,346	8.65	8.58	7.65- 9.71	3	-	-	-	-	13	29	279	29	216	104	94	87	181	118	154	27	12	-	-	-	-	-	
TOOL AND DIE MAKERS.....	3,239	9.68	9.99	9.04- 10.44	-	-	-	-	-	6	58	47	54	156	183	168	482	267	538	1006	111	54	94	15	-	-	-	
MANUFACTURING.....	3,236	9.68	9.99	9.04- 10.44	-	-	-	-	-	6	58	47	54	156	183	168	482	264	538	1006	111	54	94	15	-	-	-	
STATIONARY ENGINEERS.....	1,264	9.66	10.10	8.43- 10.90	-	5	2	1	1	10	29	35	32	109	192	61	68	64	92	62	282	93	97	26	-	3	-	
MANUFACTURING.....	736	9.03	8.84	8.41- 10.13	-	5	1	1	1	10	29	35	22	65	181	31	67	54	78	45	84	14	9	-	-	-	-	
NONMANUFACTURING.....	528	10.55	10.90	10.25- 11.22	-	-	1	-	-	-	-	-	-	10	44	11	30	1	10	14	17	194	79	88	26	-	3	
PUBLIC UTILITIES.....	66	8.81	8.60	7.84- 9.49	-	-	-	-	-	-	-	-	-	10	17	1	17	-	9	-	-	-	-	-	-	-	-	
SERVICES.....	200	10.84	10.95	10.89- 11.63	-	-	-	-	-	-	-	-	-	12	10	7	-	-	4	12	64	-	60	24	-	3	-	
BOILER TENDERS.....	353	8.10	7.91	7.46- 9.24	-	-	4	-	3	31	20	29	76	28	36	18	44	16	-	4	-	-	-	-	-	-	-	
MANUFACTURING.....	261	7.77	7.48	7.29- 8.27	-	-	3	-	3	31	20	26	72	28	26	14	12	-	8	-	-	-	-	-	-	-	-	
NONMANUFACTURING.....	92	9.03	9.24	9.24- 9.39	-	-	1	-	-	-	-	3	4	-	10	-	70	4	-	-	-	-	-	-	-	-	-	

See footnotes at end of tables.

Table A-5. Hourly earnings of material movement and custodial workers, Chicago, Ill., May 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	2.90 AND UNDER 3.00	3.00	3.20	3.40	3.60	3.80	4.20	4.60	5.00	5.40	5.80	6.20	6.60	7.00	7.40	7.80	8.20	8.60	9.00	9.40	9.80	10.00	10.60	
						3.20	3.40	3.60	3.80	4.20	4.60	5.00	5.40	5.80	6.20	6.60	7.00	7.40	7.80	8.20	8.60	9.00	9.40	9.80	10.00	10.60		
TRUCKDRIVERS.....	13,554	\$9.94	\$10.35	\$9.77-10.40	-	-	-	-	-	5	43	3	29	46	18	53	214	26	124	110	192	163	367	2541	778	8703	139	
MANUFACTURING.....	1,755	9.47	9.87	9.14-10.05	-	-	-	-	-	-	18	-	-	18	13	10	32	16	19	25	84	18	316	266	538	370	12	
NONMANUFACTURING.....	11,799	13.01	10.35	9.77-10.40	-	-	-	-	-	5	25	3	29	28	5	43	182	10	105	85	108	145	51	2275	240	8333	127	
PUBLIC UTILITIES.....	8,512	10.13	10.35	10.02-10.40	-	-	-	-	-	-	1	3	4	2	-	-	2	-	91	23	95	-	46	1674	204	6265	102	
WHOLESALE TRADE.....	2,506	9.83	10.25	9.60-10.40	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	12	4	127	-	589	31	1563	-	
RETAIL TRADE.....	619	9.51	10.35	10.25-10.42	-	-	-	-	-	-	24	-	25	-	4	43	-	10	3	-	9	1	-	10	5	485	-	
TRUCKDRIVERS, LIGHT TRUCK.....	414	7.86	7.63	5.69-10.10	-	-	-	-	-	5	43	2	22	40	1	16	19	9	69	10	-	-	-	35	44	99	-	
MANUFACTURING.....	125	8.09	9.88	6.66-10.10	-	-	-	-	-	-	18	-	-	12	-	1	19	9	-	-	-	-	-	-	39	27	-	
NONMANUFACTURING.....	289	7.76	7.63	5.58-10.10	-	-	-	-	-	5	25	2	22	28	1	15	-	-	69	10	-	-	-	35	5	72	-	
TRUCKDRIVERS, MEDIUM TRUCK.....	3,038	9.45	9.42	9.42-10.33	-	-	-	-	-	-	-	1	2	6	13	6	185	11	11	69	66	15	286	1287	120	935	25	
MANUFACTURING.....	473	9.19	9.14	9.14-9.93	-	-	-	-	-	-	-	-	-	6	13	6	3	5	-	5	1	6	286	5	120	17	-	
NONMANUFACTURING.....	2,565	9.50	9.42	9.42-10.35	-	-	-	-	-	-	-	1	2	-	-	-	182	6	11	64	65	9	-	1282	-	918	25	
PUBLIC UTILITIES.....	1,890	9.73	9.42	9.42-10.35	-	-	-	-	-	-	-	1	2	-	-	-	2	-	8	2	60	-	-	1062	-	753	-	
TRUCKDRIVERS, HEAVY TRUCK.....	876	9.73	10.25	9.88-10.25	-	-	-	-	-	-	-	-	-	-	-	28	8	4	-	1	108	-	58	5	148	516	-	
MANUFACTURING.....	254	9.44	9.88	8.37-9.88	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	1	65	-	12	5	118	49	-	
NONMANUFACTURING.....	622	9.84	10.25	10.25-10.25	-	-	-	-	-	-	-	-	-	-	-	28	-	4	-	-	43	-	46	-	34	467	-	
TRUCKDRIVERS, TRACTOR-TRAILER.....	8,821	10.23	10.35	10.35-10.40	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	27	16	3	130	20	1214	273	7020	114
MANUFACTURING.....	595	9.78	9.64	9.60-10.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	3	11	15	256	72	194	12
NONMANUFACTURING.....	8,226	10.27	10.40	10.35-10.40	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	11	-	-	119	5	958	201	6826	102
PUBLIC UTILITIES.....	6,339	10.31	10.35	10.35-10.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	612	196	5429	102
WHOLESALE TRADE.....	1,493	10.10	10.40	9.68-10.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119	-	346	5	1023	-
SHIPPERS.....	1,161	7.26	7.33	6.03-8.64	-	-	3	-	-	2	11	12	32	88	176	104	81	79	100	29	93	333	17	-	-	-	1	-
MANUFACTURING.....	555	6.52	6.25	5.95-7.19	-	-	-	-	-	-	-	8	13	87	157	88	54	52	45	19	12	8	11	-	-	-	1	-
NONMANUFACTURING.....	606	7.93	8.64	7.50-8.64	-	-	3	-	-	2	11	4	19	1	19	16	27	27	55	10	81	325	6	-	-	-	-	-
RECEIVERS.....	1,681	6.50	6.51	5.51-7.55	-	2	4	12	13	47	44	109	146	159	147	181	115	181	205	99	201	1	-	-	-	-	-	-
MANUFACTURING.....	723	6.31	6.08	5.25-7.35	-	-	-	-	3	19	22	64	110	62	102	85	27	49	58	55	66	1	-	-	-	-	-	-
NONMANUFACTURING.....	958	6.65	6.75	5.75-7.68	-	2	4	12	10	28	22	45	36	97	65	96	83	132	147	44	135	-	-	-	-	-	-	-
RETAIL TRADE.....	560	6.59	6.81	5.88-7.58	-	-	2	12	10	13	15	23	21	41	49	58	52	50	147	44	23	-	-	-	-	-	-	-
SHIPPERS AND RECEIVERS.....	747	6.31	6.35	5.13-7.28	-	-	-	12	12	75	32	38	85	60	34	84	60	77	63	20	22	41	6	-	-	-	-	26
MANUFACTURING.....	582	6.19	6.33	4.72-7.09	-	-	-	12	-	74	30	32	48	56	33	81	43	67	31	16	11	22	-	-	-	-	-	26
NONMANUFACTURING.....	165	6.72	6.65	5.38-7.69	-	-	-	-	12	1	2	6	37	4	1	3	17	10	32	4	11	19	6	-	-	-	-	-
WAREHOUSEMEN.....	3,259	6.70	7.00	5.50-8.31	-	-	12	93	94	214	105	58	83	398	154	304	152	366	176	143	706	173	32	36	-	-	-	-
MANUFACTURING.....	1,621	6.20	6.21	5.50-7.14	-	-	12	-	12	164	46	14	81	390	90	175	136	161	114	87	92	11	32	4	-	-	-	-
NONMANUFACTURING.....	1,638	7.20	8.08	6.22-8.51	-	-	-	93	82	50	59	44	2	8	64	129	16	205	62	56	614	162	-	32	-	-	-	-
PUBLIC UTILITIES.....	273	8.41	8.31	5.82-8.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	13	92	120	-	-	-	-	-	-
ORDER FILLERS.....	6,906	7.00	7.60	5.50-8.55	-	20	76	49	284	236	285	324	348	444	381	330	199	361	354	348	2085	403	345	4	29	1	-	-
MANUFACTURING.....	2,372	5.93	5.95	4.99-6.82	-	-	36	16	78	60	165	240	261	256	275	311	172	309	64	58	7	1	29	4	29	1	-	-
NONMANUFACTURING.....	4,534	7.56	8.35	7.24-8.55	-	20	40	33	206	176	120	84	87	188	106	19	27	52	290	290	2078	402	316	-	-	-	-	-
WHOLESALE TRADE.....	3,344	8.37	8.55	8.35-8.55	-	-	-	-	-	72	-	-	38	26	52	1	12	22	64	276	2070	400	316	-	-	-	-	-
RETAIL TRADE.....	897	5.53	5.50	4.05-7.64	-	20	22	-	176	29	55	68	49	149	54	18	15	4	226	2	8	2	-	-	-	-	-	-

See footnotes at end of tables.

Table A-5. Hourly earnings of material movement and custodial workers, Chicago, Ill., May 1979—Continued

Occupation and industry division	Number of workers	Hourly earnings*			NUMBER OF WORKERS RECEIVING STRAIGHT-TIME HOURLY EARNINGS (IN DOLLARS) OF--																							
		Mean ²	Median ²	Middle range ²	2.90 AND UNDER 3.00	3.00	3.20	3.40	3.60	3.80	4.20	4.60	5.00	5.40	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	AND OVER
						3.20	3.40	3.60	3.80	4.20	4.60	5.00	5.40	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		
SHIPPING PACKERS.....	4,444	\$5.90	\$5.53	\$4.41- 7.63	10	29	65	37	212	566	296	422	515	323	226	150	165	231	320	179	615	51	8	2	8	4	10	
MANUFACTURING.....	3,052	5.76	5.25	4.51- 7.10	-	-	36	24	106	410	250	337	487	260	100	82	146	211	85	157	307	24	6	2	8	4	10	
NONMANUFACTURING.....	1,392	6.20	6.22	4.20- 8.06	10	29	29	13	106	156	46	85	28	63	126	68	19	20	235	22	308	27	2	-	-	-	-	-
MATERIAL HANDLING LABORERS.....	17,488	7.68	7.68	5.92- 10.12	25	27	62	68	219	502	653	715	877	1288	1235	843	877	516	1388	723	704	745	265	433	3420	2082	22	
MANUFACTURING.....	6,849	6.11	6.15	5.01- 7.01	-	-	-	26	48	381	599	506	673	773	762	685	636	188	742	221	503	70	-	14	12	10	-	
NONMANUFACTURING.....	10,639	8.69	10.09	7.63- 10.12	25	27	62	42	171	121	54	209	204	315	473	158	241	328	646	499	203	675	265	419	3408	2072	22	
PUBLIC UTILITIES.....	6,154	9.97	10.12	10.12- 10.22	-	-	-	-	-	-	4	3	1	1	8	4	6	61	263	-	-	172	41	220	3324	2024	22	
WHOLESALE TRADE.....	2,006	7.67	7.82	6.05- 8.77	-	-	-	-	-	-	-	33	45	73	356	2	105	16	68	487	174	375	224	-	-	48	-	
RETAIL TRADE.....	2,110	6.38	6.25	5.04- 7.68	25	27	62	39	137	119	50	58	153	241	109	152	128	136	222	12	29	128	-	199	84	-	-	
FORKLIFT OPERATORS.....	8,950	7.01	6.71	5.99- 8.34	-	-	-	13	13	107	124	307	488	760	951	1089	1129	599	497	326	1205	368	650	301	11	-	12	
MANUFACTURING.....	6,798	6.81	6.66	5.99- 7.77	-	-	-	13	13	44	79	181	384	635	872	882	1108	585	363	279	977	338	23	3	11	-	12	
NONMANUFACTURING.....	2,152	7.66	8.35	6.02- 9.32	-	-	-	-	-	63	45	126	104	125	79	207	25	14	134	47	228	30	627	298	-	-	-	
WHOLESALE TRADE.....	1,469	7.66	8.35	6.35- 9.04	-	-	-	-	-	31	31	124	34	102	-	198	4	4	36	34	214	30	627	-	-	-	-	
RETAIL TRADE.....	550	8.24	9.50	7.50- 9.50	-	-	-	-	-	7	14	2	-	7	66	9	21	10	89	13	14	-	-	298	-	-	-	
POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT).....	925	6.99	7.08	6.00- 8.19	-	-	-	-	-	-	31	12	100	57	71	54	105	97	104	65	227	-	-	-	2	-	-	
MANUFACTURING.....	609	7.11	7.08	6.00- 8.41	-	-	-	-	-	-	31	12	58	15	51	9	87	88	-	35	221	-	-	-	2	-	-	
GUARDS.....	11,308	4.12	3.35	3.15- 4.70	1464	1497	3615	477	177	387	568	823	359	270	302	196	266	214	185	104	182	209	44	5	-	-	-	
MANUFACTURING.....	1,350	6.12	5.74	5.05- 6.89	-	12	-	-	7	41	127	124	237	134	105	100	137	42	24	33	99	128	-	-	-	-	-	
NONMANUFACTURING.....	9,954	3.85	3.35	3.15- 4.10	1464	1485	3615	477	170	346	441	699	122	136	197	96	129	172	161	71	43	81	44	5	-	-	-	
PUBLIC UTILITIES.....	140	8.00	7.94	7.74- 8.28	-	-	-	-	-	-	-	-	-	-	-	1	5	10	53	25	24	8	13	1	-	-	-	
FINANCE.....	878	5.22	4.85	4.30- 6.20	-	32	7	45	34	66	167	126	38	70	70	45	25	107	40	6	-	-	-	-	-	-	-	
SERVICES.....	8,292	3.42	3.35	3.00- 3.35	1464	1453	3596	422	130	255	261	563	25	44	12	9	58	-	-	-	-	-	-	-	-	-	-	
GUARDS, CLASS A.....	5,116	4.35	3.50	3.20- 4.70	204	830	1395	268	99	285	328	673	43	87	60	108	144	139	142	66	76	120	44	5	-	-	-	
MANUFACTURING.....	351	6.75	6.68	6.00- 8.18	-	-	-	-	-	14	16	7	12	21	32	64	55	31	6	18	36	39	-	-	-	-	-	
NONMANUFACTURING.....	4,765	4.18	3.35	3.20- 4.70	204	830	1395	268	99	271	312	666	31	66	28	44	89	108	136	48	40	81	44	5	-	-	-	
PUBLIC UTILITIES.....	82	8.24	8.24	7.74- 8.60	-	-	-	-	-	-	-	-	-	-	-	-	-	2	29	7	22	8	13	1	-	-	-	
FINANCE.....	567	5.21	4.76	4.31- 7.07	-	32	7	-	21	34	142	102	21	14	14	19	14	102	39	6	-	-	-	-	-	-	-	
GUARDS, CLASS B.....	4,720	4.21	3.35	3.35- 5.14	461	189	2031	209	76	102	240	150	316	183	242	88	122	75	43	38	64	89	-	-	-	-	-	
MANUFACTURING.....	999	5.90	5.40	4.90- 6.88	-	12	-	-	7	27	111	117	225	113	73	36	82	11	18	15	63	89	-	-	-	-	-	
NONMANUFACTURING.....	3,721	3.76	3.35	3.30- 3.86	461	177	2031	209	69	75	129	33	91	70	169	52	49	64	25	23	3	-	-	-	-	-	-	
PUBLIC UTILITIES.....	58	7.66	7.78	7.74- 7.94	-	-	-	-	-	-	-	-	-	-	-	1	5	8	24	18	2	-	-	-	-	-	-	
SERVICES.....	3,009	3.33	3.35	3.20- 3.35	461	177	2019	154	50	18	93	3	21	-	12	-	1	-	-	-	-	-	-	-	-	-	-	
JANITORS, PORTERS, AND CLEANERS.....	16,647	5.30	5.42	4.47- 5.82	149	27	495	957	519	1205	1227	867	2407	4159	2265	460	641	281	287	400	47	14	142	4	83	11	-	
MANUFACTURING.....	5,407	5.76	5.77	5.00- 6.40	12	-	49	27	186	247	286	486	827	620	1039	443	459	88	265	354	31	-	-	-	-	-	-	
NONMANUFACTURING.....	11,240	5.08	5.32	4.11- 5.69	137	27	455	930	333	958	941	381	1580	3539	1226	20	182	193	22	46	16	14	142	4	83	11	-	
PUBLIC UTILITIES.....	711	6.60	5.90	5.49- 7.14	-	-	-	-	-	6	-	5	162	100	122	2	22	170	16	8	-	-	-	4	83	11	-	
WHOLESALE TRADE.....	383	6.56	6.69	5.30- 7.89	-	-	6	-	2	4	44	33	8	22	-	156	6	-	36	16	14	36	-	-	-	-	-	
RETAIL TRADE.....	1,082	5.01	4.75	4.10- 5.72	-	9	18	21	41	158	213	107	57	210	136	14	2	17	6	2	-	-	-	-	-	-	-	
FINANCE.....	676	5.38	5.59	5.06- 5.69	13	13	1	1	1	39	11	70	45	388	92	4	2	-	-	-	-	-	-	-	-	-	-	
SERVICES.....	8,388	4.88	5.32	4.00- 5.49	124	5	430	908	249	751	673	166	1308	2823	876	-	-	-	-	-	-	-	-	-	75	-	-	

See footnotes at end of tables.

Table A-6. Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, by sex, Chicago, Ill., May 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			MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MEN			MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MEN--CONTINUED		
MAINTENANCE CARPENTERS.....	448	\$9.26	TRUCKDRIVERS.....	13,441	\$9.95	FORKLIFT OPERATORS.....	7,931	\$6.85
MANUFACTURING.....	231	8.32	MANUFACTURING.....	1,739	9.47	MANUFACTURING.....	6,152	6.70
NONMANUFACTURING.....	217	10.27	NONMANUFACTURING.....	11,702	10.02	WHOLESALE TRADE.....	1,449	7.66
MAINTENANCE ELECTRICIANS.....	2,783	9.41	PUBLIC UTILITIES.....	8,422	10.14	POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT).....	880	7.01
MANUFACTURING.....	2,057	9.14	WHOLESALE TRADE.....	2,506	9.81	MANUFACTURING.....	588	7.16
NONMANUFACTURING.....	726	10.15	RETAIL TRADE.....	613	9.53	GUARDS.....	8,720	4.03
MAINTENANCE PAINTERS.....	293	8.83	TRUCKDRIVERS, LIGHT TRUCK.....	394	7.89	MANUFACTURING.....	1,251	6.04
MANUFACTURING.....	187	8.42	MANUFACTURING.....	125	8.09	NONMANUFACTURING.....	7,519	3.71
NONMANUFACTURING.....	106	9.56	NONMANUFACTURING.....	269	7.79	FINANCE.....	678	5.11
MAINTENANCE MACHINISTS.....	2,021	9.09	TRUCKDRIVERS, MEDIUM TRUCK.....	2,967	9.46	SERVICES.....	6,503	3.44
MANUFACTURING.....	1,747	8.97	MANUFACTURING.....	473	9.19	GUARDS, CLASS A.....	4,052	4.12
NONMANUFACTURING.....	274	9.21	NONMANUFACTURING.....	2,494	9.52	MANUFACTURING.....	299	6.54
MAINTENANCE MECHANICS (MACHINERY).....	4,270	8.62	PUBLIC UTILITIES.....	1,825	9.75	NONMANUFACTURING.....	3,753	3.90
MANUFACTURING.....	3,829	8.48	TRUCKDRIVERS, HEAVY TRUCK.....	876	9.73	FINANCE.....	450	5.24
NONMANUFACTURING.....	441	9.86	MANUFACTURING.....	254	9.84	GUARDS, CLASS B:		
MAINTENANCE MECHANICS (MOTOR VEHICLES).....	2,444	9.79	NONMANUFACTURING.....	622	9.84	MANUFACTURING.....	902	5.88
MANUFACTURING.....	498	8.86	TRUCKDRIVERS, TRACTOR-TRAILER.....	8,800	10.24	JANITORS, PORTERS, AND CLEANERS.....	9,956	5.36
NONMANUFACTURING.....	1,946	10.03	MANUFACTURING.....	579	9.82	MANUFACTURING.....	4,513	5.75
PUBLIC UTILITIES.....	1,283	10.21	NONMANUFACTURING.....	8,221	10.27	PUBLIC UTILITIES.....	432	7.18
MAINTENANCE PIPEFITTERS.....	705	9.28	PUBLIC UTILITIES.....	6,334	10.31	WHOLESALE TRADE.....	340	6.85
MANUFACTURING.....	606	9.01	WHOLESALE TRADE.....	1,493	10.10	SERVICES.....	3,799	4.70
NONMANUFACTURING.....	99	10.92	SHIPPERS.....	951	7.39	MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - WOMEN		
MAINTENANCE SHEET-METAL WORKERS.....	147	9.38	MANUFACTURING.....	477	6.60	WAREHOUSEMEN:		
MANUFACTURING.....	147	9.38	RECEIVERS:			MANUFACTURING.....	136	5.99
MILLWRIGHTS.....	1,060	9.26	MANUFACTURING.....	643	6.22	ORDER FILLERS.....	1,275	5.38
MANUFACTURING.....	1,050	9.27	SHIPPERS AND RECEIVERS.....	627	6.21	MANUFACTURING.....	590	5.47
MAINTENANCE TRADES HELPERS.....	779	6.95	MANUFACTURING.....	523	6.07	SHIPPING PACKERS:		
MANUFACTURING.....	464	6.77	WAREHOUSEMEN.....	2,840	6.86	MANUFACTURING.....	843	4.92
NONMANUFACTURING.....	315	7.12	MANUFACTURING.....	1,871	6.19	GUARDS:		
MACHINE-TOOL OPERATORS (TOOLROOM).....	1,069	8.83	NONMANUFACTURING.....	1,369	7.58	MANUFACTURING.....	83	5.77
MANUFACTURING.....	1,069	8.83	PUBLIC UTILITIES.....	260	8.42	JANITORS, PORTERS, AND CLEANERS:		
TOOL AND DIE MAKERS.....	3,153	9.68	ORDER FILLERS.....	5,397	7.50	PUBLIC UTILITIES.....	254	5.55
MANUFACTURING.....	3,150	9.68	MANUFACTURING.....	1,782	6.08	SERVICES.....	3,937	5.05
STATIONARY ENGINEERS.....	1,184	9.58	NONMANUFACTURING.....	3,615	8.21			
MANUFACTURING.....	733	8.99	WHOLESALE TRADE.....	3,186	8.49			
NONMANUFACTURING.....	443	10.52	SHIPPING PACKERS.....	2,917	6.17			
PUBLIC UTILITIES.....	61	8.89	MANUFACTURING.....	2,041	5.92			
SERVICES.....	290	10.84	NONMANUFACTURING.....	876	6.75			
BOILER TENDERS.....	333	8.04	MATERIAL HANDLING LABORERS.....	15,000	7.86			
MANUFACTURING.....	261	7.77	MANUFACTURING.....	5,730	6.03			
			NONMANUFACTURING.....	9,270	8.99			
			PUBLIC UTILITIES.....	6,067	10.01			
			WHOLESALE TRADE.....	1,957	7.71			

See footnotes at end of tables.

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

Industry and occupational group ⁵	June 1972 to May 1973		May 1973 to May 1974	May 1974 to May 1975	May 1975 to May 1976	May 1976 to May 1977	May 1977 to May 1978	May 1978 to May 1979
	11-month increase	Annual rate of increase						
All industries:								
Office clerical.....	5.2	5.7	6.8	8.5	7.8	8.0	7.1	7.3
Electronic data processing.....	(^b)	(^b)	(^b)	7.6	7.7	6.9	7.6	7.0
Industrial nurses.....	5.0	5.5	6.5	9.6	6.5	7.7	8.7	8.3
Skilled maintenance trades.....	5.7	6.2	8.1	10.2	8.2	8.5	8.6	8.0
Unskilled plant workers.....	7.1	7.8	8.3	9.8	9.5	10.4	8.7	8.3
Manufacturing:								
Office clerical.....	5.2	5.7	6.7	9.0	7.6	8.1	7.5	7.2
Electronic data processing.....	(^b)	(^b)	(^b)	9.6	7.6	6.3	7.1	7.1
Industrial nurses.....	4.6	5.0	6.4	9.4	6.5	7.1	9.4	8.4
Skilled maintenance trades.....	4.8	5.2	8.7	10.8	8.1	8.4	9.0	8.2
Unskilled plant workers.....	5.9	6.5	8.1	10.6	8.8	10.1	9.1	8.7
Nonmanufacturing:								
Office clerical.....	5.2	5.7	6.9	8.1	7.9	8.0	7.0	7.4
Electronic data processing.....	(^b)	(^b)	(^b)	6.5	7.7	7.4	7.9	7.1
Industrial nurses.....	7.2	7.9	7.0	10.2	6.7	9.6	6.6	7.9
Unskilled plant workers.....	8.0	8.8	8.4	9.3	9.9	10.6	8.5	8.0

See footnotes at end of tables.

Table A-8. Average pay relationships within establishments for white-collar occupations, Chicago, Ill., May 1979

Occupation which equals 100	Office clerical occupation being compared—																									
	Secretaries				Stenographers		Transcribing-machine typists	Typists		File clerks			Messengers	Switchboard operators	Switchboard operator-receptionists	Order clerks		Accounting clerks		Bookkeeping-machine operators		Billing-machine billers	Payroll clerks	Key entry operators		
	Class A	Class B	Class C	Class D	Class E	Senior	General	Class A	Class B	Class A	Class B	Class C				Class A	Class B	Class A	Class B	Class A	Class B			Class A	Class B	
SECRETARIES, CLASS A-----	100																									
SECRETARIES, CLASS B-----	116	102																								
SECRETARIES, CLASS C-----	128	116	100																							
SECRETARIES, CLASS D-----	144	123	114	100																						
SECRETARIES, CLASS E-----	158	131	117	113	100																					
STENOGRAPHERS, SENIOR-----	145	139	122	116	116	100																				
STENOGRAPHERS, GENERAL-----	155	142	133	120	114	114	100																			
TRANSCRIBING-MACHINE TYPISTS--	153	141	136	116	119	116	104	100																		
TYPISTS, CLASS A-----	148	137	129	119	112	107	102	101	100																	
TYPISTS, CLASS B-----	183	162	147	132	124	125	118	115	115	100																
FILE CLERKS, CLASS A-----	159	141	133	129	115	107	103	99	102	89	100															
FILE CLERKS, CLASS B-----	199	174	151	139	131	132	125	125	120	105	124	100														
FILE CLERKS, CLASS C-----	209	187	166	146	144	145	132	129	121	115	141	122	100													
MESSENGERS-----	198	172	156	144	137	139	124	124	123	109	129	108	98	100												
SWITCHBOARD OPERATORS-----	151	138	126	119	107	103	99	96	100	92	96	83	80	81	100											
SWITCHBOARD OPERATOR-RECEPTIONISTS-----	156	140	130	116	114	119	104	105	105	91	100	85	85	85	102	100										
ORDER CLERKS, CLASS A-----	112	99	98	85	81	82	83	(6)	71	65	70	62	(6)	70	78	73	100									
ORDER CLERKS, CLASS B-----	142	133	127	111	112	105	99	91	97	90	91	78	81	87	100	100	134	100								
ACCOUNTING CLERKS, CLASS A-----	137	122	111	101	96	93	88	87	89	78	92	78	71	75	84	91	120	89	100							
ACCOUNTING CLERKS, CLASS B-----	158	145	129	117	109	108	99	103	102	90	103	88	85	86	101	102	144	104	119	100						
BOOKKEEPING-MACHINE OPERATORS, CLASS A-----	168	134	110	(6)	93	(6)	(6)	76	83	81	(6)	75	75	69	93	83	(6)	85	94	87	100					
BOOKKEEPING-MACHINE OPERATORS, CLASS B-----	185	157	129	119	112	105	(6)	107	98	89	104	86	80	86	91	108	117	104	112	99	(6)	100				
BILLING-MACHINE BILLERS-----	162	145	125	117	116	(6)	100	94	(6)	87	98	91	88	95	92	103	117	(6)	112	100	(6)	(6)	100			
PAYROLL CLERKS-----	134	120	114	103	99	97	93	92	91	80	90	78	71	76	86	92	117	90	100	89	90	94	96	100		
KEY ENTRY OPERATORS, CLASS A-----	142	128	117	105	101	102	91	95	93	82	94	79	73	76	96	95	135	91	106	91	108	92	88	108	100	
KEY ENTRY OPERATORS, CLASS B-----	160	145	132	120	111	120	107	100	103	90	101	90	80	83	105	97	132	101	115	102	120	101	94	113	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	Drafter-tracers	Class A	Class B											
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A-----	100																									
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B-----	120	100																								
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS C-----	138	118	100																							
COMPUTER PROGRAMMERS (BUSINESS), CLASS A-----	117	100	87	100																						
COMPUTER PROGRAMMERS (BUSINESS), CLASS B-----	143	123	102	122	100																					
COMPUTER PROGRAMMERS (BUSINESS), CLASS C-----	167	138	112	147	121	100																				
COMPUTER OPERATORS, CLASS A-----	156	135	117	139	112	98	100																			
COMPUTER OPERATORS, CLASS B-----	179	157	140	163	125	112	120	100																		
COMPUTER OPERATORS, CLASS C-----	207	180	155	189	156	132	141	123	100																	
DRAFTERS, CLASS A-----	140	121	99	112	97	76	87	77	67	100																
DRAFTERS, CLASS B-----	163	135	115	128	113	91	103	86	78	118	100															
DRAFTERS, CLASS C-----	188	160	136	158	130	105	124	105	97	145	123	100														
DRAFTER-TRACERS-----	214	192	139	172	155	(6)	157	136	117	168	138	120	100													
ELECTRONICS TECHNICIANS, CLASS A-----	124	(6)	90	(6)	101	(6)	81	67	(6)	98	83	65	(6)	100												
ELECTRONICS TECHNICIANS, CLASS B-----	147	147	(6)	129	105	(6)	103	81	76	114	98	77	(6)	(6)	100											
REGISTERED INDUSTRIAL NURSES-----	160	131	118	136	115	95	105	89	77	117	101	85	72	124	110	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, Chicago, Ill., May 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-----	100													
MAINTENANCE ELECTRICIANS-----	97	100												
MAINTENANCE PAINTERS-----	105	105	100											
MAINTENANCE MACHINISTS-----	93	100	92	100										
MAINTENANCE MECHANICS (MACHINERY)-----	100	103	97	104	100									
MAINTENANCE MECHANICS (MOTOR VEHICLES)-----	102	105	98	103	100	100								
MAINTENANCE PIPEFITTERS-----	98	101	96	105	100	99	100							
MAINTENANCE SHEET-METAL WORKERS-----	99	102	96	104	99	100	100	100						
MILLWRIGHTS-----	98	103	96	104	99	99	99	100	100					
MAINTENANCE TRADES HELPERS-----	119	134	114	136	126	126	130	122	120	100				
MACHINE-TOOL OPERATORS (TOOLROOM)-----	99	101	96	102	99	98	98	101	100	81	100			
TOOL AND DIE MAKERS-----	88	93	90	93	92	90	93	93	93	68	91	100		
STATIONARY ENGINEERS-----	99	100	95	99	97	94	100	99	99	80	102	106	100	
BOILER TENDERS-----	110	110	106	116	103	102	113	109	108	90	107	120	118	100

Occupation which equals 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-----	96	100														
TRUCKDRIVERS, HEAVY TRUCK-----	89	93	100													
TRUCKDRIVERS, TRACTOR-TRAILER-----	(6)	97	99	100												
SHIPPERS-----	(6)	117	(6)	171	100											
RECEIVERS-----	110	(6)	136	149	103	100										
SHIPPERS AND RECEIVERS-----	113	114	(6)	123	93	91	100									
WAREHOUSEMEN-----	108	111	(6)	123	106	103	97	100								
ORDER FILLERS-----	129	157	165	139	108	106	125	104	100							
SHIPPING PACKERS-----	112	159	(6)	189	111	109	114	108	98	100						
MATERIAL HANDLING LABORERS-----	117	114	126	114	113	104	112	111	99	100	100					
FORKLIFT OPERATORS-----	(6)	129	135	128	101	96	100	102	95	97	95	100				
POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT)-----	110	105	(6)	(6)	102	100	94	97	91	96	93	98	100			
GUARDS, CLASS A-----	96	(6)	(6)	131	91	88	95	100	72	93	84	101	95	100		
GUARDS, CLASS B-----	116	166	212	211	113	110	114	112	126	107	111	118	107	143	100	
JANITORS, PORTERS, AND CLEANERS-----	139	162	178	125	121	115	117	117	117	105	108	111	112	120	101	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, Chicago, Ill., May 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	105 AND UNDER	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400 AND OVER			
						110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400				
SECRETARIES.....	12,442	39.0	\$251.00	\$242.00	\$210.00-\$282.00	-	4	-	-	13	60	218	394	603	698	2059	1901	1896	1405	962	799	384	405	305	201	135			
MANUFACTURING.....	4,857	39.0	257.50	244.00	213.00-288.50	-	-	-	-	-	9	32	129	231	234	824	814	720	515	320	203	188	202	196	178	62			
NONMANUFACTURING.....	7,585	38.5	247.00	241.50	208.00-278.50	-	4	-	-	13	51	186	265	372	464	1235	1087	1176	890	642	596	196	203	109	23	73			
PUBLIC UTILITIES.....	1,098	39.5	306.00	305.00	273.00-343.50	-	-	-	-	-	-	-	2	3	18	55	81	74	75	125	292	83	150	68	11	61			
SECRETARIES, CLASS A.....	904	39.0	319.00	313.00	278.50-363.50	-	-	-	-	-	-	-	-	-	-	6	37	88	109	115	169	76	73	55	130	46			
MANUFACTURING.....	431	39.5	335.50	342.50	285.00-390.00	-	-	-	-	-	-	-	-	-	-	1	10	34	57	26	47	40	36	32	122	26			
NONMANUFACTURING.....	473	38.5	304.00	301.00	274.50-324.50	-	-	-	-	-	-	-	-	-	-	5	27	54	52	89	122	36	37	23	8	20			
PUBLIC UTILITIES.....	144	39.5	334.50	315.00	308.50-358.50	-	-	-	-	-	-	-	-	-	-	-	-	6	4	14	52	14	28	9	4	13			
SECRETARIES, CLASS B.....	2,174	39.0	266.50	256.00	230.50-292.50	-	-	-	-	-	1	11	17	55	266	401	409	309	237	173	43	73	94	30	35				
MANUFACTURING.....	776	39.0	275.50	262.00	233.00-307.00	-	-	-	-	-	-	4	5	13	93	127	130	91	94	67	35	28	42	22	23				
NONMANUFACTURING.....	1,398	38.5	261.50	253.00	230.00-285.50	-	-	-	-	-	1	7	12	42	173	274	279	218	141	106	28	45	52	8	12				
PUBLIC UTILITIES.....	288	39.5	299.50	298.00	255.00-316.50	-	-	-	-	-	-	-	-	2	1	13	25	35	22	50	75	4	13	38	1	9			
SECRETARIES, CLASS C.....	2,989	39.0	258.50	251.00	218.50-291.00	-	4	-	-	-	6	21	51	113	158	438	464	449	393	257	194	112	133	135	30	31			
MANUFACTURING.....	1,518	39.0	270.00	259.00	225.00-308.00	-	-	-	-	-	-	1	7	47	47	192	253	228	206	130	55	88	111	115	29	12			
NONMANUFACTURING.....	1,471	38.5	246.50	240.00	210.00-276.00	-	4	-	-	-	6	20	44	66	111	246	214	221	187	127	139	24	22	20	1	19			
PUBLIC UTILITIES.....	316	39.0	296.00	305.00	273.50-305.00	-	-	-	-	-	-	-	1	-	1	21	35	8	27	47	111	15	14	16	1	19			
SECRETARIES, CLASS D.....	2,750	38.5	227.50	218.50	198.50-247.00	-	-	-	-	-	6	75	141	183	314	714	491	393	129	65	85	32	108	8	5	1			
MANUFACTURING.....	1,062	39.0	226.50	217.50	195.50-247.00	-	-	-	-	-	2	24	70	85	128	251	184	145	64	29	26	15	26	7	5	1			
NONMANUFACTURING.....	1,688	38.5	228.50	218.50	200.00-247.50	-	-	-	-	-	4	51	71	98	186	463	307	248	65	36	59	17	82	1	-	-			
PUBLIC UTILITIES.....	232	39.5	296.00	310.00	249.00-349.50	-	-	-	-	-	-	1	1	16	19	15	21	14	3	44	15	82	1	-	-				
SECRETARIES, CLASS E.....	1,047	38.5	210.00	205.00	182.00-232.50	-	-	-	-	7	29	71	119	138	87	218	167	90	73	35	8	2	3	-	-	-			
MANUFACTURING.....	549	39.0	214.50	210.50	195.00-230.00	-	-	-	-	7	7	45	64	38	166	128	49	25	15	5	-	-	-	-	-				
NONMANUFACTURING.....	498	38.0	205.50	190.00	175.00-236.00	-	-	-	-	7	22	64	74	74	49	52	39	41	48	20	3	2	3	-	-				
STENOGRAPHERS.....	2,253	39.0	242.50	230.00	195.00-290.50	-	-	-	-	14	34	116	151	152	187	328	252	121	210	248	194	172	44	16	9	3			
MANUFACTURING.....	985	39.5	257.00	264.00	205.00-308.00	-	-	-	-	4	16	32	52	38	64	113	88	66	130	90	131	131	24	6	-				
NONMANUFACTURING.....	1,268	39.0	231.00	217.00	189.00-276.50	-	-	-	-	10	20	84	99	114	123	215	144	55	80	158	63	41	20	10	9	3			
PUBLIC UTILITIES.....	403	39.5	293.50	291.50	277.00-310.00	-	-	-	-	-	1	-	1	2	8	14	15	10	57	155	61	37	20	10	9	3			
STENOGRAPHERS, SENIOR.....	1,192	39.0	249.00	236.00	206.00-285.00	-	-	-	-	4	40	64	50	67	211	205	86	141	69	59	134	35	15	9	3				
MANUFACTURING.....	625	39.5	266.00	269.50	220.50-317.00	-	-	-	-	1	2	15	20	33	81	69	53	109	56	42	119	19	6	-	-				
NONMANUFACTURING.....	567	38.5	230.00	220.00	196.00-242.50	-	-	-	-	-	3	38	49	30	34	130	136	33	32	13	17	15	16	9	3				
PUBLIC UTILITIES.....	99	38.5	320.50	318.00	284.50-352.00	-	-	-	-	-	-	-	-	1	1	3	1	18	12	15	11	16	9	9	3				
STENOGRAPHERS, GENERAL.....	1,057	39.0	235.00	216.50	185.00-290.50	-	-	-	-	14	32	76	86	102	120	114	47	35	69	179	135	38	9	1	-				
MANUFACTURING.....	356	39.0	242.00	235.00	182.50-307.50	-	-	-	-	4	15	30	36	18	31	29	19	13	21	34	89	12	5	-	-				
NONMANUFACTURING.....	701	39.0	231.50	210.00	185.00-288.00	-	-	-	-	10	17	46	50	84	89	85	28	22	48	145	46	26	4	1	-				
PUBLIC UTILITIES.....	304	40.0	284.50	290.50	269.50-302.50	-	-	-	-	-	1	-	1	2	7	13	12	9	39	143	46	26	4	1	-				
TRANSCRIBING-MACHINE TYPISTS.....	450	38.5	189.00	185.00	167.00-201.50	-	1	-	6	9	30	73	75	66	55	100	11	7	3	-	-	14	-	-	-				
MANUFACTURING.....	229	39.0	188.50	186.00	174.00-202.50	-	-	-	1	-	17	30	38	48	26	54	7	5	3	-	-	-	-	-	-				
NONMANUFACTURING.....	221	38.5	189.00	182.00	162.00-201.50	-	1	-	5	9	13	43	37	18	29	46	4	2	-	-	-	14	-	-	-				

See footnotes at end of tables.

Table A-10. Weekly earnings of office workers, large establishments, Chicago, Ill., May 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	105 AND UNDER 113	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400
							120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400	
TYPISTS.....	3,998	39.0	\$187.50	\$174.00	\$155.00-\$203.00	-	1	56	271	402	471	605	481	385	256	378	227	94	62	82	89	108	27	4	1	-
MANUFACTURING.....	1,649	39.0	196.50	180.00	160.00- 210.00	-	1	38	49	148	173	205	192	141	152	203	77	36	30	30	83	87	2	4	1	-
NONMANUFACTURING.....	2,349	38.5	181.00	169.00	153.50- 193.50	-	-	18	222	254	298	400	289	244	104	175	150	58	30	52	9	21	25	-	-	-
PUBLIC UTILITIES.....	197	39.5	253.50	258.50	193.50- 292.50	-	-	-	-	-	6	11	20	10	8	15	6	23	17	50	5	1	25	-	-	-
TYPISTS, CLASS A.....	1,715	39.0	210.50	191.50	172.00- 230.00	-	-	2	10	54	123	199	219	205	160	236	162	83	48	39	67	107	26	4	1	-
MANUFACTURING.....	738	39.5	223.00	201.00	176.50- 269.00	-	-	2	2	12	48	67	78	67	85	107	41	29	26	20	60	47	2	4	1	-
NONMANUFACTURING.....	977	39.0	201.00	189.00	167.00- 223.00	-	-	-	8	42	75	132	141	138	75	99	121	54	22	19	7	20	24	-	-	-
PUBLIC UTILITIES.....	190	40.0	271.50	263.00	231.00- 301.00	-	-	-	-	-	3	1	8	4	4	1	5	21	9	17	3	-	24	-	-	-
TYPISTS, CLASS B.....	2,277	38.5	170.00	161.00	149.30- 181.00	-	1	54	261	344	348	402	262	178	96	172	65	11	12	43	22	1	1	-	-	-
MANUFACTURING.....	905	38.5	175.00	167.00	150.30- 194.00	-	1	36	47	136	125	134	114	72	67	96	36	7	4	10	20	-	-	-	-	-
NONMANUFACTURING.....	1,372	38.5	166.50	160.00	146.00- 176.00	-	-	18	214	212	223	268	148	106	29	76	29	4	8	33	2	1	1	-	-	-
PUBLIC UTILITIES.....	97	39.5	235.00	219.50	177.50- 285.00	-	-	-	-	-	3	10	12	6	4	14	1	2	8	33	2	1	1	-	-	-
FILE CLERKS.....	1,768	38.5	158.50	144.00	129.00- 170.00	7	132	320	308	235	167	156	80	75	61	71	44	27	25	27	8	12	11	-	-	2
MANUFACTURING.....	364	39.0	166.00	156.00	135.00- 184.00	-	14	61	39	46	41	40	25	15	16	20	16	12	10	6	2	1	-	-	-	-
NONMANUFACTURING.....	1,404	38.5	156.50	140.50	129.00- 166.50	7	118	259	269	189	126	116	55	60	45	51	28	15	15	21	6	11	11	-	-	2
PUBLIC UTILITIES.....	163	40.0	241.00	225.50	188.50- 295.50	-	-	15	-	-	10	10	4	3	4	25	12	14	15	21	6	11	11	-	-	2
FILE CLERKS, CLASS A.....	212	38.5	215.00	202.50	177.50- 249.00	-	-	5	9	8	11	7	20	18	25	30	18	14	13	16	6	9	1	-	-	2
MANUFACTURING.....	66	39.0	231.00	232.50	195.00- 270.50	-	-	3	-	-	-	3	3	1	9	11	5	12	10	6	2	1	-	-	-	-
NONMANUFACTURING.....	146	38.5	208.00	192.00	174.50- 221.00	-	-	2	9	8	11	4	17	17	16	19	13	2	3	10	4	8	1	-	-	2
FILE CLERKS, CLASS B.....	754	38.5	161.00	150.50	136.00- 169.00	-	25	104	108	121	103	106	36	45	32	15	17	13	3	11	2	3	10	-	-	-
MANUFACTURING.....	165	39.0	151.50	142.00	124.50- 165.00	-	14	33	24	24	19	18	5	3	6	8	11	-	-	-	-	-	-	-	-	-
NONMANUFACTURING.....	589	38.5	164.00	153.00	138.00- 171.50	-	11	71	84	97	84	88	31	42	26	7	6	13	3	11	2	3	10	-	-	-
PUBLIC UTILITIES.....	91	40.0	224.50	211.00	158.00- 295.50	-	-	15	-	-	10	9	4	3	4	2	2	13	3	11	2	3	10	-	-	-
FILE CLERKS, CLASS C.....	802	38.5	141.00	135.00	125.00- 148.00	7	107	211	191	106	53	43	24	12	4	26	9	-	9	-	-	-	-	-	-	-
MANUFACTURING.....	133	39.0	152.50	153.00	135.00- 166.00	-	-	25	15	22	22	19	17	11	1	1	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING.....	669	38.5	138.50	130.50	124.50- 140.50	7	107	186	176	84	31	24	7	1	3	25	9	-	9	-	-	-	-	-	-	-
MESSENGERS.....	1,606	39.0	160.00	149.00	133.00- 170.00	8	134	227	217	270	211	157	89	64	46	48	54	58	11	13	25	4	-	-	-	-
MANUFACTURING.....	422	39.0	173.50	160.00	142.50- 190.00	4	4	55	34	50	56	63	23	24	23	20	23	14	7	2	16	4	-	-	-	-
NONMANUFACTURING.....	1,184	39.0	155.50	145.00	131.50- 167.00	4	100	172	183	220	155	94	66	40	23	28	31	44	4	11	9	-	-	-	-	-
PUBLIC UTILITIES.....	237	39.5	199.00	177.50	158.00- 251.50	-	-	-	6	9	58	38	14	9	5	17	13	44	4	11	9	-	-	-	-	-
SWITCHBOARD OPERATORS.....	794	39.0	191.00	180.00	150.00- 217.00	-	5	28	120	39	96	46	59	69	54	86	45	48	28	14	22	26	9	-	-	-
MANUFACTURING.....	186	39.0	208.00	190.00	165.50- 237.00	-	-	-	1	7	25	17	23	25	12	25	13	7	5	3	5	19	2	-	-	-
NONMANUFACTURING.....	608	39.0	185.50	175.00	140.00- 215.50	-	5	28	119	32	71	29	36	44	42	61	35	41	23	11	17	7	7	-	-	-
PUBLIC UTILITIES.....	115	39.5	265.50	260.00	247.50- 299.00	-	-	-	-	-	-	-	3	2	6	3	11	30	21	11	16	5	7	-	-	-
SWITCHBOARD OPERATOR-RECEPTIONISTS.....	316	39.0	189.00	181.00	163.00- 207.00	-	-	2	11	24	25	34	46	45	35	39	32	5	6	3	2	7	-	-	-	-
MANUFACTURING.....	203	39.5	195.50	187.00	170.00- 213.00	-	-	1	5	15	18	10	30	24	22	28	23	5	6	3	2	7	-	-	-	-
NONMANUFACTURING.....	113	38.5	177.50	176.00	163.00- 197.50	-	-	1	6	9	7	24	16	17	13	11	9	-	-	-	-	-	-	-	-	-

See footnotes at end of tables.

Table A-10. Weekly earnings of office workers, large establishments, Chicago, Ill., May 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 ³	Middle range ³	105 AND UNDER	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400 AND OVER					
						113	129	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400						
ORDER CLERKS.....	597	39.5	\$202.00	\$184.50	\$152.00-\$246.00	-	-	40	25	50	77	49	34	48	30	33	24	74	37	20	6	7	3	25	2	3					
MANUFACTURING.....	369	39.5	213.00	200.00	166.99- 252.99	-	-	-	10	6	40	44	22	40	24	27	18	65	37	17	6	7	-	3	-	3					
ORDER CLERKS, CLASS A.....	195	39.0	237.50	240.00	191.00- 263.00	-	-	-	-	-	7	13	28	14	16	19	40	21	17	6	6	3	2	-	3						
MANUFACTURING.....	132	39.5	249.00	249.50	211.50- 270.50	-	-	-	-	-	4	4	10	8	10	13	31	21	14	6	6	-	2	-	3						
ORDER CLERKS, CLASS B.....	391	39.5	185.00	161.00	145.00- 200.00	-	-	40	25	50	74	40	21	29	16	13	4	34	16	3	-	1	-	23	2						
MANUFACTURING.....	226	39.5	194.00	182.00	160.50- 227.50	-	-	-	10	6	37	38	18	29	16	13	4	34	16	3	-	1	-	1	-						
ACCOUNTING CLERKS.....	6,403	39.0	217.50	200.00	172.50- 251.00	-	-	8	45	209	430	671	695	585	510	904	542	461	287	226	228	249	256	57	34						
MANUFACTURING.....	2,401	39.0	219.50	209.50	179.50- 248.50	-	-	-	4	33	108	210	256	233	153	396	314	194	208	101	64	46	23	31	25						
NONMANUFACTURING.....	4,002	39.0	216.00	195.00	169.00- 251.50	-	-	8	41	174	322	461	439	352	357	508	228	267	79	125	164	203	233	26	13						
PUBLIC UTILITIES.....	1,093	40.0	292.00	310.00	257.50- 337.50	-	-	-	-	-	44	21	40	20	22	24	13	163	21	96	154	203	230	25	13						
ACCOUNTING CLERKS, CLASS A.....	2,832	39.0	241.00	222.00	194.00- 285.00	-	-	-	4	20	111	192	230	287	543	258	309	141	173	170	133	170	49	38	2						
MANUFACTURING.....	1,069	39.0	239.50	230.00	200.00- 271.00	-	-	-	-	1	3	48	55	75	85	200	135	138	118	71	47	24	17	23	25						
NONMANUFACTURING.....	1,763	39.0	241.50	217.00	192.00- 299.50	-	-	-	-	5	17	63	137	155	202	343	123	171	23	102	123	107	153	26	13						
PUBLIC UTILITIES.....	634	40.0	309.00	315.50	289.00- 348.00	-	-	-	-	-	2	-	9	8	13	9	4	87	8	80	117	107	152	25	13						
ACCOUNTING CLERKS, CLASS B.....	3,571	39.0	199.00	180.50	163.00- 221.00	-	-	8	45	203	410	560	503	355	223	361	284	152	146	53	58	116	86	8	-						
MANUFACTURING.....	1,332	39.0	203.50	190.00	170.00- 228.00	-	-	-	4	32	105	162	201	158	68	196	179	56	90	30	17	20	6	8	-						
NONMANUFACTURING.....	2,239	39.0	194.00	176.00	160.00- 209.00	-	-	8	41	171	305	398	302	197	155	165	105	96	56	23	41	96	80	-	-						
PUBLIC UTILITIES.....	459	40.0	264.50	284.00	201.00- 334.50	-	-	-	-	-	42	21	31	12	9	15	9	76	13	16	41	96	78	-	-						
BOOKKEEPING-MACHINE OPERATORS.....	175	38.5	197.00	180.00	172.50- 222.00	-	-	1	2	2	8	20	52	15	13	15	16	14	5	12	-	-	-	-	-						
NONMANUFACTURING.....	150	38.5	194.00	176.50	172.50- 222.00	-	-	1	2	2	4	17	50	10	12	11	11	14	4	12	-	-	-	-	-						
BOOKKEEPING-MACHINE OPERATORS, CLASS B.....	116	38.0	197.50	172.50	172.50- 224.00	-	-	1	2	2	8	9	47	1	2	10	13	6	3	12	-	-	-	-	-						
MACHINE-RILLERS.....	53	39.5	251.50	221.00	221.00- 312.00	-	-	-	-	-	2	5	3	1	1	1	17	-	-	-	19	4	-	-	-						
PAYROLL CLERKS.....	1,024	39.0	229.00	219.50	179.50- 271.50	-	-	2	16	21	29	75	118	70	58	124	124	90	81	82	33	47	13	27	11						
MANUFACTURING.....	549	39.0	241.50	235.50	198.50- 275.50	-	-	-	4	3	3	26	61	23	25	69	80	62	67	49	16	21	10	22	4						
NONMANUFACTURING.....	475	38.5	215.50	196.00	172.50- 245.00	-	-	-	2	12	14	26	49	57	47	33	55	44	28	14	33	17	26	3	3						
PUBLIC UTILITIES.....	103	40.0	298.00	302.00	289.00- 324.50	-	-	-	-	-	-	-	-	1	3	8	3	4	3	28	17	24	3	3	3						
KEY ENTRY OPERATORS.....	3,690	39.0	208.00	199.00	173.00- 231.00	-	-	4	60	120	256	319	389	417	342	583	400	308	152	51	177	64	37	7	-						
MANUFACTURING.....	1,518	39.0	212.50	200.00	177.50- 232.00	-	-	-	17	31	60	102	211	148	178	279	167	101	56	22	55	47	37	7	-						
NONMANUFACTURING.....	2,172	39.0	205.00	195.00	168.00- 230.00	-	-	8	43	89	196	217	178	249	164	304	233	207	96	29	122	17	-	-	-						
PUBLIC UTILITIES.....	562	40.0	237.50	242.00	192.00- 277.00	-	-	-	-	-	27	19	43	47	45	59	40	99	62	10	106	5	-	-	-						
KEY ENTRY OPERATORS, CLASS A.....	1,700	39.0	220.00	207.00	184.00- 245.50	-	-	-	11	46	41	87	177	194	168	273	223	160	98	24	114	53	27	7	-						
MANUFACTURING.....	737	39.5	225.00	211.00	186.50- 245.00	-	-	-	-	-	9	30	103	44	75	110	117	65	33	6	31	40	27	7	-						
NONMANUFACTURING.....	963	39.0	216.00	204.00	183.00- 247.50	-	-	-	11	46	32	57	74	110	93	160	106	95	65	18	83	13	-	-	-						
PUBLIC UTILITIES.....	312	40.0	249.00	257.50	203.50- 295.50	-	-	-	-	-	-	-	19	22	27	43	26	41	55	10	67	5	-	-	-						
KEY ENTRY OPERATORS, CLASS B.....	1,960	39.0	194.50	189.00	165.00- 220.00	-	-	8	49	72	213	226	210	217	168	307	177	148	54	27	63	11	10	-	-						
MANUFACTURING.....	751	39.0	201.50	197.00	171.50- 216.00	-	-	-	17	29	49	64	104	58	97	163	50	36	23	14	24	7	10	-	-						
NONMANUFACTURING.....	1,209	39.0	196.00	186.50	163.50- 222.00	-	-	8	32	43	144	160	104	159	71	144	127	112	31	11	39	4	-	-	-						
PUBLIC UTILITIES.....	250	40.0	223.00	211.50	177.50- 253.50	-	-	-	-	-	27	19	24	25	18	19	14	58	7	-	39	-	-	-	-						

See footnotes at end of tables.

Table A-11. Weekly earnings of professional and technical workers, large establishments, Chicago, Ill., May 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	INDEX																							
						140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520	560	600		
COMPUTER SYSTEMS ANALYSTS (BUSINESS)	3,038	38.5	\$420.50	\$418.50	\$366.00-4470.00	-	-	-	1	2	3	28	92	128	171	211	329	284	300	337	266	239	362	186	68	38			
MANUFACTURING.....	976	39.0	432.00	425.50	376.00- 474.00	-	-	-	-	-	1	3	12	12	27	75	121	94	92	132	73	179	124	55	28	18			
NONMANUFACTURING.....	2,062	38.5	415.50	413.00	360.50- 465.00	-	-	-	1	2	2	25	80	116	144	136	238	190	208	198	193	130	238	131	40	20			
PUBLIC UTILITIES.....	667	38.5	466.50	476.00	418.50- 517.50	-	-	-	-	-	-	6	5	2	30	22	22	29	63	56	60	54	154	110	40	14			
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A	1,364	39.0	454.50	447.50	412.50- 490.50	-	-	-	-	-	-	3	9	17	39	76	112	156	209	173	157	202	111	62	38				
MANUFACTURING.....	485	39.0	457.50	441.50	410.50- 498.50	-	-	-	-	-	-	3	-	6	16	28	39	51	92	35	50	77	42	28	18				
NONMANUFACTURING.....	879	39.0	452.50	448.00	413.00- 486.00	-	-	-	-	-	-	9	11	23	48	73	105	117	138	107	130	125	69	34	20				
PUBLIC UTILITIES.....	252	39.5	500.50	499.50	454.00- 543.50	-	-	-	-	-	-	-	-	-	-	-	6	17	20	29	33	51	48	34	14				
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B	1,353	38.5	402.50	387.00	354.50- 448.50	-	-	-	-	2	7	50	59	117	135	234	154	132	89	66	48	159	75	6	-				
MANUFACTURING.....	375	39.0	407.00	391.00	362.50- 463.00	-	-	-	-	1	2	4	8	16	47	84	45	32	11	21	85	46	13	-	-				
NONMANUFACTURING.....	978	38.5	400.50	386.50	346.50- 441.50	-	-	-	-	1	5	46	51	101	88	152	109	100	78	45	23	113	62	6	-				
COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS C	321	39.0	353.50	338.00	307.00- 413.00	-	-	-	1	2	1	21	39	60	37	37	19	18	12	32	27	14	1	-	-	-			
NONMANUFACTURING.....	205	38.5	325.00	316.50	296.00- 385.00	-	-	-	1	2	1	20	34	56	32	25	10	8	3	3	10	-	-	-	-				
COMPUTER PROGRAMMERS (BUSINESS)	3,328	39.0	330.00	318.50	277.00- 373.00	-	-	8	19	122	299	467	745	433	371	269	262	181	180	122	111	64	53	6	12	4			
MANUFACTURING.....	1,105	39.0	328.50	320.50	275.00- 370.50	-	-	8	12	63	101	120	111	130	108	111	98	58	70	41	27	20	23	3	1	-			
NONMANUFACTURING.....	2,223	39.0	332.50	317.00	278.00- 374.50	-	-	-	7	59	198	347	234	303	263	158	164	123	110	81	84	44	30	3	11	4			
PUBLIC UTILITIES.....	420	39.0	368.00	369.00	308.50- 412.00	-	-	-	8	14	38	30	28	36	40	71	36	22	36	28	10	7	1	11	4				
COMPUTER PROGRAMMERS (BUSINESS), CLASS A	929	39.0	392.50	393.50	346.00- 436.50	-	-	-	-	4	19	57	54	69	93	100	98	122	92	91	56	52	6	12	4				
MANUFACTURING.....	343	39.0	379.50	371.50	330.50- 425.00	-	-	-	-	4	9	22	22	40	48	42	27	36	27	22	18	22	3	1	-				
NONMANUFACTURING.....	586	39.0	400.50	403.00	356.00- 443.00	-	-	-	-	-	10	35	32	29	45	58	71	86	65	69	38	30	3	11	4				
PUBLIC UTILITIES.....	114	39.5	438.00	424.50	392.00- 455.50	-	-	-	-	-	-	-	1	-	9	14	11	14	25	13	4	7	1	11	4				
COMPUTER PROGRAMMERS (BUSINESS), CLASS B	1,320	39.0	319.00	310.50	281.00- 345.50	-	-	-	1	18	63	236	135	283	230	127	81	49	50	26	18	5	1	-	-	-			
MANUFACTURING.....	488	39.0	319.50	310.50	279.00- 353.50	-	-	-	1	12	23	87	76	98	50	38	21	26	34	14	5	2	1	-	-	-			
NONMANUFACTURING.....	832	39.0	319.00	316.00	283.50- 344.00	-	-	-	-	6	40	149	59	142	180	89	60	23	16	12	13	3	-	-	-	-			
PUBLIC UTILITIES.....	89	49.0	362.00	356.00	316.50- 432.00	-	-	-	-	1	11	3	8	12	15	15	-	1	7	13	3	-	-	-	-				
COMPUTER PROGRAMMERS (BUSINESS), CLASS C	987	38.5	289.00	276.00	251.50- 319.00	-	-	8	18	104	226	178	121	85	70	47	81	32	8	4	2	3	-	-	-	-			
MANUFACTURING.....	274	38.5	280.50	256.50	236.50- 337.00	-	-	8	11	51	74	24	13	10	18	25	35	5	-	-	-	-	-	-	-				
NONMANUFACTURING.....	713	38.5	292.00	277.50	254.00- 316.00	-	-	-	7	53	152	154	108	75	52	22	46	27	8	4	2	3	-	-	-	-			
PUBLIC UTILITIES.....	217	38.5	333.50	330.50	284.00- 379.50	-	-	-	-	8	13	27	27	19	24	16	42	25	7	4	2	3	-	-	-	-			
COMPUTER OPERATORS	2,437	39.0	268.00	264.00	276.50- 299.00	13	62	219	222	309	330	413	269	167	158	96	52	38	19	44	24	-	5	-	-				
MANUFACTURING.....	955	38.5	276.00	269.50	230.00- 306.00	4	14	56	87	139	125	132	134	74	49	35	24	25	14	34	9	-	-	-	-				
NONMANUFACTURING.....	1,482	39.0	263.00	260.00	221.00- 295.00	6	48	163	135	170	205	281	135	93	109	61	28	13	5	17	15	-	5	-	-				
PUBLIC UTILITIES.....	328	40.0	307.50	298.50	269.50- 325.50	-	-	9	13	2	3	128	15	34	49	29	7	8	3	8	15	-	5	-	-				
COMPUTER OPERATORS, CLASS A	882	39.0	304.50	301.00	260.00- 336.50	-	-	15	28	39	124	111	116	124	117	72	38	25	13	40	13	-	5	-	-				
MANUFACTURING.....	328	39.0	316.50	306.50	269.00- 345.50	-	-	-	6	11	42	39	39	54	36	29	11	15	10	31	3	-	-	-	-				
NONMANUFACTURING.....	554	39.0	297.00	288.00	253.50- 325.50	-	-	15	22	28	84	72	77	68	81	43	27	10	3	9	10	-	5	-	-				
PUBLIC UTILITIES.....	111	43.0	355.00	325.50	310.50- 382.50	-	-	-	-	-	-	-	8	23	33	13	6	5	1	7	10	-	5	-	-				
COMPUTER OPERATORS, CLASS B	1,103	39.0	258.00	257.00	228.00- 278.50	1	21	77	108	194	175	253	137	39	39	23	4	11	6	4	11	-	-	-	-				
MANUFACTURING.....	450	38.5	262.50	257.00	230.00- 285.50	-	6	23	42	91	74	73	87	14	11	5	3	8	4	3	6	-	-	-	-				
NONMANUFACTURING.....	653	39.0	255.00	258.00	224.50- 269.50	1	15	54	66	103	101	180	50	25	28	18	1	3	2	1	5	-	-	-	-				
COMPUTER OPERATORS, CLASS C	452	38.5	221.00	213.00	190.00- 240.00	9	41	127	86	76	29	49	16	4	2	1	10	2	-	-	-	-	-	-	-				
MANUFACTURING.....	177	38.5	235.00	220.00	199.00- 264.00	4	8	33	39	37	9	20	8	4	2	1	10	2	-	-	-	-	-	-	-				
NONMANUFACTURING.....	275	39.0	212.00	200.50	189.00- 237.00	5	33	94	47	39	20	29	8	-	-	-	-	-	-	-	-	-	-	-	-				

See footnotes at end of tables.

Table A-12. Average weekly earnings of office, professional, and technical workers, by sex, large establishments, Chicago, Ill., May 1979

Occupation, sex, ³ and industry division	Number of workers	Average (mean ¹)		Occupation, sex, ³ and industry division	Number of workers	Average (mean ¹)		Occupation, sex, ³ and industry division	Number of workers	Average (mean ¹)	
		Weekly hours ² (standard)	Weekly earnings ¹ (standard)			Weekly hours ² (standard)	Weekly earnings ¹ (standard)			Weekly hours ² (standard)	Weekly earnings ¹ (standard)
OFFICE OCCUPATIONS - MEN				OFFICE OCCUPATIONS - WOMEN--CONTINUED				OFFICE OCCUPATIONS - WOMEN--CONTINUED			
MESSENGERS:				TRANSCRIBING-MACHINE TYPISTS.....	401	38.5	\$189.50	ACCOUNTING CLERKS:			
MANUFACTURING.....	145	38.5	\$174.00	MANUFACTURING.....	193	39.0	188.00	MANUFACTURING.....	2,100	39.0	\$213.50
PUBLIC UTILITIES.....	85	39.0	181.00	NONMANUFACTURING.....	208	38.5	191.00	ACCOUNTING CLERKS, CLASS A:			
ORDER CLERKS:				TYPISTS.....	3,450	38.5	187.00	MANUFACTURING.....	889	39.0	231.50
MANUFACTURING.....	53	39.5	268.50	MANUFACTURING.....	1,618	39.0	196.50	MANUFACTURING.....			
PAYROLL CLERKS:				PUBLIC UTILITIES.....	195	39.5	254.00	ACCOUNTING CLERKS, CLASS B:			
MANUFACTURING.....	90	39.5	262.50	TYPISTS, CLASS A:				MANUFACTURING.....	1,211	39.0	290.50
OFFICE OCCUPATIONS - WOMEN				MANUFACTURING.....	729	39.5	222.50	BOOKKEEPING-MACHINE OPERATORS:			
SECRETARIES:				PUBLIC UTILITIES.....	99	40.0	271.50	BOOKKEEPING-MACHINE OPERATORS, CLASS B.....	83	39.0	237.00
MANUFACTURING.....	4,495	39.0	259.00	TYPISTS, CLASS B.....	2,112	38.5	169.00	PAYROLL CLERKS.....	828	39.0	222.00
PUBLIC UTILITIES.....	1,089	39.5	306.50	MANUFACTURING.....	883	38.5	175.00	MANUFACTURING.....	453	39.0	236.50
SECRETARIES, CLASS A.....	850	39.0	321.50	NONMANUFACTURING.....	1,229	38.5	165.00	NONMANUFACTURING.....	375	38.5	204.50
MANUFACTURING.....	398	39.5	339.50	PUBLIC UTILITIES.....	94	39.5	235.50	KEY ENTRY OPERATORS.....	3,069	39.0	206.50
NONMANUFACTURING.....	452	38.5	305.50	FILE CLERKS.....	1,518	38.5	155.50	MANUFACTURING.....	1,442	39.0	211.00
PUBLIC UTILITIES.....	144	39.5	334.50	MANUFACTURING.....	339	39.0	165.50	PUBLIC UTILITIES.....	473	40.0	229.50
SECRETARIES, CLASS B.....	1,910	39.0	269.00	NONMANUFACTURING.....	1,179	38.5	152.50	KEY ENTRY OPERATORS, CLASS A.....	1,414	39.0	217.00
MANUFACTURING.....	741	39.0	275.50	FILE CLERKS, CLASS A.....	187	38.0	204.00	MANUFACTURING.....	702	39.5	223.00
NONMANUFACTURING.....	1,169	38.5	265.00	MANUFACTURING.....	65	39.0	231.50	KEY ENTRY OPERATORS, CLASS B.....	1,625	39.0	198.00
PUBLIC UTILITIES.....	288	39.5	299.50	NONMANUFACTURING.....	122	38.0	193.00	MANUFACTURING.....	710	39.0	203.50
SECRETARIES, CLASS C.....	2,601	39.0	262.50	FILE CLERKS, CLASS B.....	645	38.5	159.00	PUBLIC UTILITIES.....	230	40.0	226.50
MANUFACTURING.....	1,400	39.0	271.50	MANUFACTURING.....	164	39.0	151.00	PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN			
PUBLIC UTILITIES.....	307	39.0	296.50	NONMANUFACTURING.....	481	38.5	162.00	COMPUTER SYSTEMS ANALYSTS (BUSINESS):			
SECRETARIES, CLASS D.....	2,562	38.5	229.50	PUBLIC UTILITIES.....	57	40.0	216.00	MANUFACTURING.....	731	39.0	442.50
MANUFACTURING.....	890	39.0	230.50	FILE CLERKS, CLASS C.....	686	38.5	138.00	PUBLIC UTILITIES.....	454	39.0	480.50
NONMANUFACTURING.....	1,672	38.5	228.50	MANUFACTURING.....	110	39.0	148.50	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS A:			
PUBLIC UTILITIES.....	232	39.5	296.00	NONMANUFACTURING.....	576	38.0	136.00	MANUFACTURING.....	345	39.0	464.00
SECRETARIES, CLASS E.....	1,041	38.5	210.00	MESSENGERS:				PUBLIC UTILITIES.....	199	39.5	507.50
MANUFACTURING.....	545	39.0	214.50	MANUFACTURING.....	257	39.0	174.00	COMPUTER SYSTEMS ANALYSTS (BUSINESS), CLASS B:			
NONMANUFACTURING.....	496	38.0	205.50	PUBLIC UTILITIES.....	135	39.5	198.00	MANUFACTURING.....	203	39.0	365.00
STENOGRAPHERS.....	2,072	39.0	245.00	SWITCHBOARD OPERATORS.....	692	39.0	189.50	COMPUTER PROGRAMMERS (BUSINESS):			
MANUFACTURING.....	978	39.5	256.50	MANUFACTURING.....	174	39.0	209.50	MANUFACTURING.....	751	39.0	340.00
NONMANUFACTURING.....	1,094	38.5	234.50	NONMANUFACTURING.....	518	39.0	183.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS A:			
PUBLIC UTILITIES.....	397	39.5	293.00	PUBLIC UTILITIES.....	103	40.0	263.50	MANUFACTURING.....	291	39.0	381.50
STENOGRAPHERS, SENIOR.....	1,085	39.0	252.00	SWITCHBOARD OPERATOR-RECEPTIONISTS.....	274	39.0	188.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS B:			
MANUFACTURING.....	622	39.5	266.00	MANUFACTURING.....	197	39.5	191.00	MANUFACTURING.....	320	39.0	327.50
PUBLIC UTILITIES.....	99	38.5	320.50	ORDER CLERKS.....	462	39.5	204.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS C:			
STENOGRAPHERS, GENERAL.....	983	39.0	237.50	MANUFACTURING.....	314	39.5	204.00	MANUFACTURING.....	140	38.5	282.50
MANUFACTURING.....	352	39.0	241.00	ORDER CLERKS, CLASS A.....	144	39.0	226.50				
NONMANUFACTURING.....	631	38.5	235.50	MANUFACTURING.....	95	39.5	235.50				
PUBLIC UTILITIES.....	298	40.0	284.00	ORDER CLERKS, CLASS B:							
				MANUFACTURING.....	210	39.5	191.00				

See footnotes at end of tables.

Table A-12. Average weekly earnings of office, professional, and technical workers, by sex, large establishments, Chicago, Ill., May 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)
PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN--CONTINUED				PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN--CONTINUED				PROFESSIONAL AND TECHNICAL OCCUPATIONS - WOMEN--CONTINUED			
COMPUTER OPERATORS: MANUFACTURING.....	717	38.5	\$280.00	DRAFTERS - CONTINUED				COMPUTER PROGRAMMERS (BUSINESS): MANUFACTURING.....	302	38.5	\$297.00
COMPUTER OPERATORS, CLASS A: MANUFACTURING.....	276	39.0	317.50	DRAFTERS, CLASS C.....	410	39.5	\$253.00	COMPUTER PROGRAMMERS (BUSINESS), CLASS C: MANUFACTURING.....	138	39.0	278.00
MANUFACTURING.....	59	40.0	372.00	NONMANUFACTURING.....	202	39.5	257.50				
COMPUTER OPERATORS, CLASS B.....	699	38.5	257.50	PUBLIC UTILITIES.....	55	40.0	314.00	COMPUTER OPERATORS:			
MANUFACTURING.....	328	38.5	264.50	DRAFTER-TRACERS.....	56	39.0	216.00	COMPUTER OPERATORS, CLASS A:			
COMPUTER OPERATORS, CLASS C: MANUFACTURING.....	113	38.5	234.50	ELECTRONICS TECHNICIANS.....	414	39.5	315.50	MANUFACTURING.....	105	38.5	255.50
MANUFACTURING.....	2,074	39.5	309.00	MANUFACTURING.....	287	40.0	292.00				
MANUFACTURING.....	1,013	39.5	311.00	ELECTRONICS TECHNICIANS, CLASS A.....	162	40.0	383.00	DRAFTERS:			
NONMANUFACTURING.....	1,041	39.5	307.00	MANUFACTURING.....	142	39.5	291.00	NONMANUFACTURING.....	223	39.5	278.50
PUBLIC UTILITIES.....	184	39.5	364.00	ELECTRONICS TECHNICIANS, CLASS B.....	111	40.0	282.00	MANUFACTURING.....	119	40.0	262.50
DRAFTERS, CLASS A.....	856	40.0	346.00	MANUFACTURING.....				NONMANUFACTURING.....	369	39.5	295.50
MANUFACTURING.....	397	39.5	353.00	PROFESSIONAL AND TECHNICAL OCCUPATIONS - WOMEN				MANUFACTURING.....	280	39.5	292.00
PUBLIC UTILITIES.....	64	39.5	423.50	COMPUTER SYSTEMS ANALYSTS (BUSINESS):				NONMANUFACTURING.....	89	39.0	305.50
DRAFTERS, CLASS B.....	752	39.5	304.50	PUBLIC UTILITIES.....	180	38.5	449.00				
MANUFACTURING.....	374	39.5	306.50								
NONMANUFACTURING.....	378	39.5	302.50								
PUBLIC UTILITIES.....	51	40.0	366.00								

See footnotes at end of tables.

Table A-15. Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, by sex, large establishments, Chicago, Ill., May 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.....	391	\$9.53	STATIONARY ENGINEERS.....	818	\$10.08	SHIPPING PACKERS: MANUFACTURING.....	950	\$6.62
MANUFACTURING.....	188	8.67	MANUFACTURING.....	428	9.38	MATERIAL HANDLINE LABORERS: MANUFACTURING.....	2,878	6.26
NONMANUFACTURING.....	203	10.39	PUBLIC UTILITIES.....	61	8.89	FORKLIFT OPERATORS: MANUFACTURING.....	3,277	6.87
MAINTENANCE ELECTRICIANS.....	2,230	9.73	BOILER TENDERS.....	235	8.40	POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT).....	711	7.08
MANUFACTURING.....	1,521	9.52	MANUFACTURING.....	163	8.12	MANUFACTURING.....	419	7.34
NONMANUFACTURING.....	709	10.19	MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MEN			GUARDS:		
MAINTENANCE PRINTERS.....	222	9.11	TRUCKDRIVERS.....	5,015	9.71	MANUFACTURING.....	983	6.19
MANUFACTURING.....	128	8.71	MANUFACTURING.....	858	9.20	GUARDS, CLASS A.....	3,704	4.00
NONMANUFACTURING.....	98	9.61	NONMANUFACTURING.....	4,157	9.81	MANUFACTURING.....	238	6.63
MAINTENANCE MACHINISTS.....	1,361	9.34	TRUCKDRIVERS, LIGHT TRUCK.....	107	7.31	NONMANUFACTURING.....	3,496	3.84
MANUFACTURING.....	1,275	9.30	TRUCKDRIVERS, MEDIUM TRUCK.....	2,285	9.64	GUARDS, CLASS B:		
NONMANUFACTURING.....			NONMANUFACTURING.....	1,958	9.71	MANUFACTURING.....	775	4.08
MAINTENANCE MECHANICS (MACHINERY).....	2,774	9.02	TRUCKDRIVERS, HEAVY TRUCK.....	306	9.23	JANITORS, PORTERS, AND CLEANERS... MANUFACTURING.....	5,404	5.68
MANUFACTURING.....	1,406	9.92	TRUCKDRIVERS, TRACTOR-TRAILER... MANUFACTURING.....	2,087	10.03	MANUFACTURING.....	2,471	5.99
MANUFACTURING.....	379	9.00	SHIPPERS:			PUBLIC UTILITIES.....	334	6.38
NONMANUFACTURING.....	1,327	10.26	MANUFACTURING.....	280	6.60	MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - WOMEN		
PUBLIC UTILITIES.....	799	10.28	RECEIVERS:			ORDER FILLERS:		
MAINTENANCE PIPEFITTERS.....	665	9.37	MANUFACTURING.....	320	6.73	MANUFACTURING.....	365	5.83
MANUFACTURING.....	566	9.10	WAREHOUSEMEN.....	1,554	7.59	GUARDS:		
NONMANUFACTURING.....	99	10.92	MANUFACTURING.....	559	6.78	MANUFACTURING.....	83	5.77
MAINTENANCE SHEET-METAL WORKERS: MANUFACTURING.....	134	9.46	NONMANUFACTURING.....	995	8.07	JANITORS, PORTERS, AND CLEANERS: PUBLIC UTILITIES.....	254	5.55
MILLRIGHTS.....	970	9.45	PUBLIC UTILITIES.....	260	8.42			
MANUFACTURING.....	970	9.45	ORDER FILLERS.....	2,542	7.51			
MAINTENANCE TRADES HELPERS.....	613	7.05	MANUFACTURING.....	1,009	6.36			
MANUFACTURING.....	310	7.01	NONMANUFACTURING.....	1,533	8.27			
MACHINE-TOOL OPERATORS (TOOLROOM).....	645	9.16						
MANUFACTURING.....	645	9.16						
TOOL AND DIE MAKERS.....	1,958	9.88						
MANUFACTURING.....	1,955	9.88						

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:

<u>Office clerical</u>	<u>Electronic data processing—</u> Continued
Secretaries	Computer operators, classes A, B, and C
Stenographers, senior	<u>Industrial nurses</u>
Stenographers, general	Registered industrial nurses
Typists, classes A and B	<u>Skilled maintenance</u>
File clerks, classes A, B, and C	Carpenters
Messengers	Electricians
Switchboard operators	Painters
Order clerks, classes A and B	Machinists
Accounting clerks, classes A and B	Mechanics (machinery)
Payroll clerks	Mechanics (motor vehicle)
Key entry operators, classes A and B	Pipefitters
<u>Electronic data processing</u>	Tool and die makers
Computer systems analysts, classes A, B, and C	<u>Unskilled plant</u>
Computer programmers, classes A, B, and C	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, Chicago, Ill.,¹ May 1979

Industry division ²	Minimum employment in establishments in scope of study	Number of establishments		Workers in establishments		
		Within scope of study ³	Studied	Within scope of study ⁴		Studied
				Number	Percent	
ALL ESTABLISHMENTS						
ALL INDUSTRY DIVISIONS -----	-	3,346	510	1,407,140	100	703,059
MANUFACTURING -----	100	1,397	251	602,191	43	263,191
NONMANUFACTURING -----	-	1,949	259	804,949	57	439,868
TRANSPORTATION, COMMUNICATION, AND OTHER PUBLIC UTILITIES ⁵ -----	100	182	40	148,537	11	109,485
WHOLESALE TRADE ⁶ -----	50	459	48	99,253	7	24,548
RETAIL TRADE ⁶ -----	100	232	40	279,486	20	187,568
FINANCE, INSURANCE, AND REAL ESTATE ⁶ -----	50	451	46	140,155	10	64,136
SERVICES ^{6,7} -----	50	625	85	137,538	10	54,131
LARGE ESTABLISHMENTS						
ALL INDUSTRY DIVISIONS -----	-	476	225	908,165	100	639,182
MANUFACTURING -----	500	248	114	348,879	38	228,817
NONMANUFACTURING -----	-	228	111	559,286	62	410,365
TRANSPORTATION, COMMUNICATION, AND OTHER PUBLIC UTILITIES ⁵ -----	500	40	24	122,758	14	104,244
WHOLESALE TRADE ⁶ -----	500	35	13	34,298	4	16,652
RETAIL TRADE ⁶ -----	500	37	20	244,693	27	183,584
FINANCE, INSURANCE, AND REAL ESTATE ⁶ -----	500	60	24	87,124	10	59,674
SERVICES ^{6,7} -----	500	56	30	70,413	8	44,211

¹ The Chicago Standard Metropolitan Statistical Area, as defined by the Office of Management and Budget through February 1974, consists of Cook, DuPage, Kane, Lake, McHenry, and Will 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. The local-transit system for the city of Chicago is municipally operated and is excluded by definition from the scope of the study.

⁶ Separate data for this division are not presented in the A- and B-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.

Industry	Number of establishments		Number of workers		Total number of establishments and workers
	Number	Percentage	Number	Percentage	
Manufacturing	1,234	15.2	1,234,567	15.2	1,234,567
Construction	567	7.1	567,890	7.1	567,890
Retail trade	3,456	43.2	3,456,789	43.2	3,456,789
Food service	2,109	26.5	2,109,876	26.5	2,109,876
Health care	1,876	23.6	1,876,543	23.6	1,876,543
Education	1,234	15.6	1,234,321	15.6	1,234,321
Government	987	12.4	987,654	12.4	987,654
Other	1,543	19.4	1,543,210	19.4	1,543,210
Total	8,106	100.0	8,106,789	100.0	8,106,789

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

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.

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.

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.

<u>Level of secretary's supervisor</u>	<u>Level of secretary's responsibility</u>	
	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),

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 electromechanical 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.

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

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

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

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. 1978 ¹	2025-58, \$ 1.20
Anaheim-Santa Ana-Garden Grove, Calif., Oct. 1978 ¹	2025-65, \$ 1.30
Atlanta, Ga., May 1979	2050-20, \$ 1.30
Baltimore, Md., Aug. 1978 ¹	2025-50, \$ 1.50
Billings, Mont., July 1978	2025-38, \$ 1.00
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. 1978 ¹	2025-51, \$ 1.20
Chicago, Ill., May 1979	2050-21, \$ 1.75
Cincinnati, Ohio-Ky.-Ind., July 1978	2025-39, \$ 1.10
Cleveland, Ohio, Sept. 1978	2025-49, \$ 1.30
Columbus, Ohio, Oct. 1978 ¹	2025-59, \$ 1.50
Corpus Christi, Tex., July 1978	2025-29, \$ 1.00
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. 1978	2025-48, \$ 1.00
Denver-Boulder, Colo., Dec. 1978	2025-68, \$ 1.20
Detroit, Mich., Mar. 1979 ¹	2050-7, \$ 1.50
Fresno, Calif., June 1978 ¹	2025-31, \$ 1.20
Gainesville, Fla., Sept. 1978	2025-45, \$ 1.00
Gary-Hammond-East Chicago, Ind., Aug. 1979 ¹	(To be surveyed)
Green Bay, Wis., July 1978 ¹	2025-41, \$ 1.20
Greensboro-Winston-Salem-High Point, N.C., Aug. 1978	2025-46, \$ 1.00
Greenville-Spartanburg, S.C., June 1978	2025-30, \$ 1.00
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 1978 ¹	2025-33, \$ 1.30
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 1978 ¹	2025-35, \$ 1.50
Norfolk-Virginia Beach-Portsmouth, Va.-N.C., May 1978	2025-20, 70 cents
Norfolk-Virginia Beach-Portsmouth and Newport News-Hampton, Va.-N.C., May 1978	2025-21, 80 cents
Northeast Pennsylvania, Aug. 1978	2025-47, \$ 1.00
Oklahoma City, Okla., Aug. 1978	2025-40, \$ 1.00
Omaha, Nebr.-Iowa, Oct. 1978	2025-56, \$ 1.00
Paterson-Clifton-Passaic, N.J., June 1978 ¹	2025-36, \$ 1.20
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, Ore.-Wash., May 1978	2025-25, \$ 1.00
Poughkeepsie, N.Y., June 1978 ¹	2025-37, \$ 1.10
Poughkeepsie-Kingston-Newburgh, N.Y., June 1978 ¹	2025-42, \$ 1.20
Providence-Warwick-Pawtucket, R.I.-Mass., June 1978	2025-27, \$ 1.40
Richmond, Va., June 1978	2025-26, 80 cents
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. 1978	2025-44, \$ 1.00
Toledo, Ohio-Mich., May 1979	2050-16, \$ 1.10
Trenton, N.J., Sept. 1978 ¹	2025-55, \$ 1.20
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. 1978 ¹	2025-19, \$ 1.10
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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