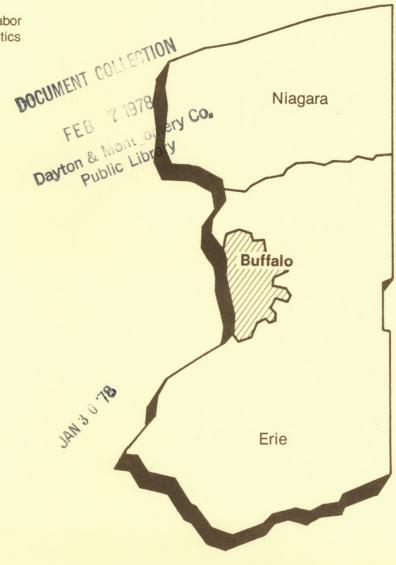
Wage Survey

Area 1950-58 Buffalo, New York, Metropolitan Area, October 1977



Bulletin 1950-58

U.S. Department of Labor Bureau of Labor Statistics



Preface

This bulletin provides results of an October 1977 survey of occupational earnings in the Buffalo, New York, 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 New York, N.Y., under the general direction of Anthony J. Ferrara, 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.

Material in this publication is in the public domain and may be reproduced without permission of the Federal Government. Please credit

the Bureau of Labor Statistics and cite the name and number of this publication.

Note:

Reports on occupational earnings and supplementary wage provisions in the Buffalo area are available for the nursing homes (May 1976) and industrial chemicals (June 1976) industries. Also available are listings of union wage rates for building trades, printing trades, local-transit operating employees, local truckdrivers and helpers, and grocery store employees. Free copies of these are available from the Bureau's regional offices. (See back cover for addresses.)

Area Wage Survey

Buffalo, New York, Metropolitan Area, October 1977

U.S. Department of Labor Ray Marshall, Secretary Bureau of Labor Statistics Julius Shiskin, Commissioner January 1978

Bulletin 1950-58



Contents	Page	Page

Introd	uction-		2
Table	s:		
Α.		ngs, all establishments:	
	A-1.	Weekly earnings of office workers	3
	A-2.	Weekly earnings of profes- sional and technical workers	5
	A-3.	Average weekly earnings of office, professional, and technical workers, by sex	7
	A-4.	Hourly earnings of mainte- nance, tool room, and powerplant workers	8
	A-5.	Hourly earnings of material movement and custodial workers	9
	A-6.	Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, by sex	. 11
	A-7.	Percent increases in average hourly earnings, adjusted for employment shifts, for se-	12
Ea	rnings	large establishments:	
		Weekly earnings of office	13
	A-9.	Weekly earnings of profes = sional and technical workers	15
	A-10	Average weekly earnings of office, professional, and technical workers, by sex	
	A-11	. Hourly earnings of mainte- nance, toolroom, and	
		powerplant workers	17

A-12. Hourly earnings of material movement and custodial workers	18
A-13. Average hourly earnings of maintenance, tool room, powerplant, material movement, and custodial workers,	
by sex	19
Appendix A. Scope and method of survey	21
Appendix B. Occupational descriptions	

Introduction

This area is 1 of 74 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, occupational earnings data (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. For the 31 largest survey areas, tables A-8 through A-13 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 elinimation 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.

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 economists to classify workers by occupation.

A. Earnings

Table A-1. Weekly earnings of office workers in Buffalo, N.Y., October 1977

					y earnings ¹ andard)	Numb			rs rec					ekly e	-											
Occupation and industry division	Number	Average weekly				\$ 60			110					160			190		210		-	-	200	300	320	\$ 34
Occupation and industry division	workers	hours 1 (standard)	Mean ²	Median ²	Middle range ²	and under	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	an
A											- 10	-			100	1,0			LLO	240	200	200	300	320	340	OVE
ALL WORKERS			\$	\$	\$ \$																					
ECRETARIES					165.00-242.50		-	-	10	13	56	80	89	139	120	114	94	74	78		144	93	39	32	21	2
MANUFACTURING	931				174.50-248.00		-	-	-	2	21	30	51	87	87	80	66	50	53	120	113	80	31	15	21	- 2
PUBLIC UTILITIES	433				150.00-211.00 241.50-268.00		-	-	10	11	35	50	38	52	33	34	28	24	25 3	21 5	31 17	13	8	17	-	
SECRETARIES, CLASS A	82	39.0	240-00	244-02	212.00-264.50	_	-	_	,	_	1	1	_	1	9	1	2	2	10	8	20	10	4	6	3	
MANUFACTURING	56				235.50-278.00		-	-	-	-	-	-	-	-	-	1	2	1	4	8	16	10	4	6	3	
SECRETARIES. CLASS B	274	38.5	222.50	211.00	180.00-250.00	-	-	-	-	-	7	4	10	29	18	18	15	30	14	40	36	18	12	6	1	1
MANUFACTURING	155				191.50-254.00		-	-	-	-	7	5	-	6	14	7	9	19	1	32	25	8	10	1	1	1
NONMANUFACTURINS	119	37.5	209.50	234.50	164.00-243.00	-	-	-	-	-	-	2	10	23	4	11	6	11	13	8	11	10	2	5	-	
MANUFACTURING	501 338				174.50-257.50		-	-	3	6	12	23	27 12	35 21	35	57 38	45 35	19	39 33	40 28	40	62 59	17	14	17 17	1
NONMANUFACTURING	163				155.00-270.50		_	_	3	-	11	15	15	14	22	19	10	0	5	12	13	3	5	10	-	·
PUBLIC UTILITIES	29				252.00-300.50		-	-	-	-	-	-	-	-	-	2	-	-	-	3	6	3	5	10	-	
SECRETARIES, CLASS D	500				155.50-213.00		-	-	6	6	36	52	52	74	56	37	31	21	15	53	48	3	6	4	-	
MANUFACTURING	382				163.00-223.50		-	-	-	2	13	20	39	60	51	34	20	19	15		45	3	5	4	-	
NONHANUFACTURING	118	35.5	156.50	148.50	137.50-165.00	-	-	-	6	4	23	32	13	14	5	3	11	2	-	1	3	_	1	-	-	
STENOGRAPHERS					145.00-201.50		4	20	29	48	67	108	95	101	84	42	87	57	37	45	68	29	8	â	4	
MANUFACTURING					158.00-225.50		4	9	1	4	20	41	51	35	32	19	50 37	35	19 18		36 32	28	7	7	4	
PUBLIC UTILITIES					232.00-248.50		-	11	28	44	47	67	2	66	52	23	1	-	1	9	32	1	1	1	-	
STENOGRAPHERS. GENERAL	487	33.5	170.50	158.00	141.50-194.50	-	2	17	18	29	38	84	75	45	35	15	21	13	3	25	54	4	2	7	-	
MANUFACTURING	242				149.50-202.50		-	9	1	4	11	38	50	26	11	10	17	9	2		24	3	2	7	-	
NONMANUFACTURING	245	38.0	161.50	150.00	131.50-176.00	-	2	8	17	25	27	46	25	19	24	5	4	4	1	7	30	1	-	-	-	
STENOGRAPHERS. SENIOR					160.00-206.00		2	3	11	19	29	24	20	56	49	27	65	44	34	20	14	25	6	1	4	
MANUFACTURING					182.00-230.50		-	-		-	9	3	1	9	21	9	33	26	17	17	12	25	5	1	4	
NONMANUFACTURING	263				143.50-190.03		2	3	11	19	20	21	19	47	28	18				,	2		1	1	_	
TRANSCRIBING-MACHINE TYPISTS	50	39.0	156.00	139.50	127.50-192.50	-	-	-	2	11	12	8	-	2	-	1	3	ò	8	-	-	-	-	-	-	
TYPISTS					124.00-168.00		8	63	59	75	72	79	60	50	28	29	20	4	9	47	11	5	-	2	-	
MANUFACTURING					141.50-184.00		-	2	10	29	28	56	38	28	20	25	18	3	7 2		9	5	_	2	_	
PUBLIC UTILITIES					112.00-152.50		8	61	49	7	1	23	1	1	8	4	1	-	2	29	2	-	-	-	-	
TYPISTS. CLASS A	203	39.0	168.50	157.50	123.50-214.00	-	3	28	14	13	20	18	9	15	6	8	11	4	6	33	9	4	_	2	_	
MANUFACTURING					159.00-230.50		-	-	1	-	4	17	6	12	6	.7	10	3	6	14	9	4	-	2	-	
NONMANUFACTURING	102	38.0	145.00	124.50	109.50-157.50	-	3	28	13	13	16	1	3	3		1	1	1	-	19	-	-	-	-	-	
TYPISTS. CLASS B					124.50-160.00		5	35	45	62	52	61	51		22		9	-	3	14	2	1	-	-	-	
MANUFACTURING					133-00-166-50		-	2		29	24	39	32		14			-	1		-	1	-	-	-	
PUBLIC UTILITIES					114.50-151.50		5	33	36	33 7	28	22	19	19	8	-	1	_	2	10	2		-	-	-	
		70 0	175 0	102 00	117 60-1/2 5		24		25	20	10	- 11		16			3				~					
NONMANUFACTURING					96.00-141.00		21 21	6	25 24	18	9	8	8	5	3	2	-	-	2		1	1	-	-	-	
ETIE CIERCE CLASS C	90	37 =	120 0	1110 0	90.50-134.00	11	21	4	13	15	8	6	2	2	4	1	_	_	2	-	_	1	_	_	_	
FILE CLERKS. CLASS C NONMANUFACTURING					90.50-130.00		21	4	12	14	8	4	2		3	-	-	-	2		-	1	-	-	-	
MESSENGERS	146	39-0	142-0	125-00	110.00-173.00	-	6	27	37	12	9	3	10	5	12	4	1	2	2	13	2	-	1	-	_	
NONMANUFACTURING					105.00-135.00		5	25		6	7	_	1			1	_	-	2			-	-	-	-	

Table A-1. Weekly earnings of office workers in Buffalo, N.Y., October 1977—Continued

					earnings tandard)									ekly ea	7.5											
Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Mean ²	Median ²	Middle range ²	and under	90	100	110	120	130	140	150	-	170	180	-	230	-	220 - 240	240	260	-	-	-	an
ALL WORKERS CONTINUED																										
NONMANUFACTURING	120 83				\$ \$ 106.00-192.50 92.00-157.50	-	29 29	2 2	5 4	3	1	21 21	7 5	8	8 2	3	12	2	3	3 -	12 8	-	1 -	:	-	
WITCHBOARD OPERATOR-RECEPTIONISTS- MANUFACTURING NONMANUFACTURING	229 99 130	39.5	163.00	161.00	131.00-170.00 140.00-187.50 120.00-153.00	-	14	13 - 13	9 2 7	10 2 8	39 18 21	43 15 28	27 12 15	16 15 1	10 6 4	11 10 1	12 3 4	8 2	2 1 1	8 7 1	-	6 - 6	-	1	:	
RDER CLEKKS	199 103 96	39.5	197.53	190.50	150.00-206.00 176.50-206.00 142.50-172.50	-	3 - 3	3 - 3	4	13 4 9	1	19 1 18	19 6 13	3 3 -	34 12 22	29 24 5	1	27 27 -	7 7 -	7 -	3	15 3 12	4	-	-	
ACCOUNTING CLERKS	533 601 65	39.5 39.0 40.0	216.53 165.00 289.00	193.50 149.00 308.50	140.00-216.00 162.50-269.00 129.00-178.50 241.50-328.00 110.50-154.00	=	23 - 23 - 11	28 - 28 - 20	45 - 45 - 33	87 22 65 -	99 45 54 - 15	136 45 91 -	57 12 45 -	36 38 48 3 15	120 57 63 - 11	37 23 14 - 2	67 51 10 1	5 J 2 4 2 6 2 2	27 13 14 3	42 28 14 5	39 31 8 9	25 19 6 3	25 21 4 4	47 27 20 20	38 28 10 10	1
ACCOUNTING CLERKS, CLASS A MANUFACTURING NONMANUFACTURING PUBLIC UTILITIES	286	39.5	251.50 180.50	170.00	166.00-294.50 184.00-327.50 149.00-206.00 248.00-348.00	-	1 1 -	5 - 5 -	6	11 - 11	11 - 11	38 10 28	27 4 23	51 20 31	65 28 37	28 19 9	25 20 5	32 13 14 2	25 13 12 1	17	11 6 5 2	1 s 15 3	12 12 -	31 27 4 4	36 28 10 10	
ACCOUNTING CLERKS, CLASS B MANUFACTURING	247 363 33	39.0 39.0 40.0	176.00 151.00 272.50	166.00 140.00 295.50	129.00-177.00 139.00-193.50 122.50-164.00 241.00-308.50 110.50-137.00	=	19 - 19 -	23 - 23 - 20	39 - 39 - 33	76 22 54 -	88 45 43 -	98 35 63 -	30 8 22 - 6	35 18 17 3	55 29 26 -	9 4 5 -	42 31 11 1	10	2 2 2	12 11 1			13 9 4 4	16 16 16	-	
NACHINE BILLERS	67	1			146.00-295.00		-	6	-	1	4	9	-	2	7	11	1	-	-	-	2	-	24	-	-	
BILLING-MACHINE BILLERS					146.00-295.00		-	6	-	_	4	9	-	-	7	11	1	-		-	2	-	24	-	-	
NONMANUFACTURING: PUBLIC UTILITIES	26	40.0	291.03	295.00	295.30-295.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	24	-	-	
MANUFACTURING					166.00-334.53		-	-	-	3 -	1	5 5	1	26 26	-	=	24 15	1	:	5	2 2	11 11	9	2	5	*
EYPUNCH OPERATORS	321 369	39.5	198.50	183.50	134.90-207.50 159.60-230.50 125.50-163.00 177.50-237.00	-	18 - 18	12	30 1 29	70 9 61	96 22 74 6	66 25 41	50 24 26 3	71 37 34 3	43 29 14 2	26 22 4 2	25 20 5 3	14 10 4 2	43 28 15	21	6 6	62 58 4	6	6	3	
KEYPUNCH UPERATORS, CLASS A MANUFACTURING NONMANUFACTURINS PUBLIC UTILITIES	203	38.0	218.00	217.00	175.00-242.50 180.50-272.00 146.50-211.00 205.50-242.50	-	:	1 1 -	7 - 7 -	6	9 4 5 -	16 11 5			17 12 5 1	20 18 2 1	17	13 4 4 2	42 27 15	21	4 4	59 55 4	5 5 -	2 -	3	
KEYPUNCH OPERATORS, CLASS B MANUFACTURINGNONMANUFACTURINS	- 118	39.5	165.0	157.00	126.50-160.00 142.50-170.00 122.50-151.50	- 1	18	-	23 1 22	9	87 18 69	50 14 36	21	21	26 17 9	6 4 2	3	1	1		2 - 2	3	1	4	:	

^{*} Workers were at \$340 to \$360.

Table A-2. Weekly earnings of professional and technical workers in Buffalo, N.Y., October 1977

				(st	andard)	Num						ight-ti														
	Number	Average weekly				1								240								\$	\$ 0.30	* ***	5	\$
Occupation and industry division	of workers	hours 1	,	,		Under		160	170	100	190	200	220	240	200	260	300	320	340	360	300	400	420	440	460	
	workers	(standard)	Mean 2	Median ²	Middle range 2	5	and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	а
						150		170	180	190	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	0
7.25 (6.65.65)																										
ALL WORKERS																										
MPUTER SYSTEMS ANALYSTS			\$	\$	\$ \$																					
BUSINESS)	225 106				301.50-380.00		-	-	1	-	-	1	1	12	14	24	31 19	11	32 11	27 13	28	7	8	5	7	
NONMANUFACTURING	119				315.50-401.00 288.00-374.50	-	-	-	1	-	-	1	1	5	13			11	21	14	16	1	3	1	-	
COMPUTER SYSTEMS ANALYSTS		-																								
(BUSINESS), CLASS A	94				346.50-404.50	0-	-	-	-	-	-	-	-	1	4	3	3	o	8	17	25	7	6	4	6	
NONMANUFACTURINS	51	39.0	357.00	374.50	333.50-384.00	-	-	-	-	-	-	-	-	1	4	3	3	5	5	9	10	1	3	1	-	
COMPUTER SYSTEMS ANALYSTS																										
(BUSINESS). CLASS B	121				288.00-345.00		-		-	-			1	5	10	21	28	14	24	10	3	-	2	-		
NONMANUFACTURING	54 67				282.00-342.50		-	-	-	-	-	-	1	4	9	17	9	6	16	5	-	-	-	-	-	
MPUTER PROGRAMMERS (BUSINESS)	381	37.0	263.50	251.50	212.00-296.00	_	3	6	14	14	27	47	49	49	37	45	19	27	16	4	8	2	1	3	6	
MANUFACTURINS	142	39.5	297.50	285.50	247.00-340.50	-	-	-	4	3	8	7	10	20	15	12	9	10	13	3	6	2	1	3	6	
NONMANUFACTURING	239	39.0	242.00	239.00	208.50-279.00	-	3	6	10	11	19	40	39	29	22	33	10	11	3	1	2	-	-	-	-	
COMPUTER PROGRAMMERS (BUSINESS).																										
CLASS A	105				271.50-350.00		-	-	1	-	1	5	6	6	14	20	10	11	7	3	8	-	1	3	6	
MANUFACTURING	60	34.5	353.50	334.50	292.00-395.00	-	-	-	-	-	-	-	1	2	7	8	5	4	6	2	٥	-	1	,	0	
COMPUTER PROGRAMMERS (BUSINESS).			12000																							
MANUFACTURING	185				247.00-330.00			_	1	5	12	22	38 7	38 15	22	19	5	14	7	1		2		-	_	
NONMANUFACTURING	129				211.50-269.00		-	-	1	. 5	12	18	31	23	14	15	1	7	2	-	-	-	-	-	-	
COMPUTER PROGRAMMERS (BUSINESS).																										
CLASS C	87				181.50-226.00		3	6	12	9	14	20	5	5	1	6	4	2	-	-	-	-	-	-	-	
NONMANUFACTURING		38.5	216.00	207.50	175.00-228.50	-	3	6	8	6	6	17	3	2	1	6	4	2	-	-	-	-	-	-	-	
OMPUTER OPERATORS	318				180.00-264.50		15	20	22	27	20	53	40	15	25 19	3	4	11	32	1	5	4	1	1	-	
MANUFACTURING					205.30-348.00			13	5 17	24	12	21 32	19	11	19	2	4	3	28	1	5	4	1	1	-	
MANUFACTURING					209.50-327.50		3	3	-	6	3	18	14	9	19	2	2	7	24	_	1	1	1	1	- 1	
COMPUTER OPERATORS, CLASS B	183	30 0	218 50	202 0	176.00-231.50	10	12	13	22	15	16	35	26	6	6	_	2	4	a			3	_	_	_	
MANUFACTURING					187.50-263.00		2	9	5	2	5	13	10	2	2	-	2	1	4	1	4	3	-	_	_	
NONMANUFACTURING	115	38.5	201.00	194.00	176.00-220.50	10	10	4	17	13	11	5.5	16	4	4	-	-	3	4	-	-	-	-	-	-	
RAFTERS	734				232.00-313.00		3	20	5	23	14	74	78	82	94	88	63	30	19	33		11	12	-	-	
MANUFACTURING					232.00-331.50		-	14	2	16	11	57	39	69	62	60	34	65	15	33	20	11	12	-	-	
NONMANUFACTURING	203	45.0	250.00	264.00	230.00-296.00	4	3	6	3	,	,	17	39	13	32	28	29	15	4	-	-	-	-	-	-	
DRAFTERS. CLASS A	270				265.00-347.00		-	-	-	-	-	-	19	22	54	45	34	10	15	24	11		12	-	-	
MANUFACTURING					262.50-371.5J 275.30-301.00		-	-	-	-	-		16	22	35 19	18 27	15	15	11	24	11	11	12	-	_	
																		- 5	- 25	8		_	_	_	_	
DRAFTERS: CLASS 8	298				230.00-322.00		-	-	-	_	4	51	13		28 23	30 29	13	50	3			-	-	-	-	-
NONMARUFACTURING					230.00-259.50		-	-	-	-	-	11			5	1	-	12		-	-	-	-	-	-	

^{*} Workers were distributed as follows: 1 at \$110 to \$120; 3 at \$120 to \$130; 6 at \$130 to \$140; and 7 at \$140 to \$150.

Table A-2. Weekly earnings of professional and technical workers in Buffalo, N.Y., October 1977—Continued

					y earnings ¹ andard)	Numl	per of	worke	rs rec	eiving	strai	ght-ti	me we	ekly e	arning	gs of—										
Occupation and industry division	Number of workers	Average weekly hours 1 (standard)	Mean ²	Median ²	Middle range ²	Under \$ 150	and under	-	-	-	-	-	220	-	-	-	-	-	-	-	-	-	-	-	460	and
ALL WORKERS CONTINUED RAFTERS - CONTINUED																						•				
DRAFTERS - CONTINGED DRAFTERS, CLASS C MANUFACTURING NONHANUFACTURING	153 101 52	39.5	217.50	207.00	\$ 170.00-245.00 175.00-245.00 170.00-242.50	14 *11. 3	3 - 3	20 14 6	5 2 3	23 16 7	10 7 3	12 6 6	18 10 8	16 16	12 4 8	1	11 6 5	6	1	1 1 -	:	:	:	:	:	
MANUFACTURING	419 89				351.50-351.50 219.00-331.00	-	Ξ	1	4	-	9	15 13	5	4	4	17 14	15 10	23 19	247 5	73 2	2	1	-	-	-	
ELECTRONICS TECHNICIANS. CLASS B- MANUFACTURING	146 54				277.50-365.00 202.00-330.00		-	-	4	-	8	14 13	5	4	2	2	3	10 10	32 5	62	-	-	-	-	:	
EGISTERED INDUSTRIAL NURSES	123 114				232.00-315.00 239.00-316.50		-	-	-	4	2	7 5	22 19	16 15	18 18	14 12	16 16	13	8	3	-	-	-	-	-	

* Workers were at \$140 to \$150.

Table A-3. Average weekly earnings of office, professional, and technical workers, by sex, in Buffalo, N.Y., October 1977

		Av (m	rerage ean ²)			'Av (me	rerage ean ²)				erage ean ²)
Sex, 3 occupation, and industry division	Number of workers	Weekly hours (standard)	Weekly earnings ¹ (standard)	Sex, 3 occupation, and industry division	Number of workers	Weekly hours (standard)	Weekly earnings ¹ (standard)	Sex, 3 occupation, and industry division	Number of workers	Weekly hours (standard)	Weekl earning (standa
OFFICE OCCUPATIONS - MEN				OFFICE OCCUPATIONS -				PROFESSIONAL AND TECHNICAL			
ORDER CLERKS	55	40.0	\$ 217.00	WUMENCONTINUED			\$	OCCUPATIONS - MENCONTINUED			
				MESSENGERS	99			COMPUTER SYSTEMS ANALYSTS			
MANUFACTURING	109		253.00	NONMANUFACTURING	78		137.00				
ACCOUNTING CLERKS. CLASS A	134		265.00	NONMANUFACTURING	117 80		137.50	COMPUTER SYSTEMS ANALYSTS (BUSINESS) CLASS B NONMANUFACTURING	99	39.5	
OFFICE OCCUPATIONS - WOMEN	"	34.3	207.00	SWITCHBOARD OPERATOR-RECEPTIONISTS-	227		152.50				
				MANUFACTURING	99	39.5	163.00	COMPUTER PROGRAMMERS (BUSINESS)	244	39.0	
MANUFACTURING	931		207.50	NONMANUFACTURING	130	39.0	144.00	MANUFACTURING	101	39.5	
NONMANUFACTURING	412		189.50	ORDER CLERKS	144	39.5	170.00	NOWING ACTUATING	143	34.0	240.
PUBLIC UTILITIES	59		261.00	MANUFACTURING	78		192.00	COMPUTER PROGRAMMERS (BUSINESS).			
				NONMANUFACTURING			144.00	CLASS A	81	39.0	335.
SECRETARIES. CLASS A	82		240.00					MANUFACTURING	53		
MANUFACTURING	56	39.5	258.00	ACCOUNTING CLEAKS			174.53				
55035743765 01465 0	1			MANUFACTURING			199.00	COMPUTER FROGRAMMERS (BUSINESS).			
SECRETARIES. CLASS B	274		222.50	NONMANUFACTURING			162.50	CLASS B	124		
MANUFACTURING	155		233.00	PUBLIC UTILITIES			234.03	NONMANUFACTURING	90	39.0	253.
NO.AHAROFACTORING	119	31.0	209.53	RETAIL TRADE	149	34.0	130.00	COMPLIES AREBATARS	201	72 5	27/
SECRETARIES. CLASS C	501	39.0	216.00	ACCOUNTING CLERKS. CLASS A	346	30 0	212.50	MANUFACTURING	206	39.5	
MANUFACTURING	338		227.50	MANUFACTURING	191		233.00	NONMANUFACTURING		39.0	
NONMANUFACTURINS	163		192.00	NONMANUFACTURING			190.00		110	3,.00	1,00
PUBLIC UTILITIES	29		264.00	No. and		3,	1,0.00	COMPUTER UPERATORS. CLASS A	73	39.5	273.
		1		ACCOUNTING CLERKS. CLASS B	566	39.0	157.50	MANJFACTURING	56	40.0	
SECRETARIES. CLASS 3	479		185.50	MANUFACTURING	233		171.50				
MANUFACTURING	382	39.5	192.50	NONMANUFACTURINS	333		148.00	COMPUTER OPERATORS. CLASS B	125		
		1122		KETAIL TRADE	133	39.0	124.00	NONMANUFACTURING	85	39.0	200.
STENOGRAPHERS	939		170.00	MACHINE BILLEGE	50	70 0	104 03	DRAFTERS	700	. 22 6	274
NONMANUFACTURING	432		193.00	MACHINE BILLERS	59	34.0	140.00	MANUFACTURING	702		
PUBLIC UTILITIES	507		234.50	BILLING-MACHINE BILLERS	56	39.0	198.50	NONMANUFACTURING	515 185	40.0	
STENOGRAPHERS. GENERAL	485	38.5	170.50								Chil
MANUFACTURING	241		179.00	PAYROLL CLERKS	70		190.50	DRAFTERS, CLASS A	267	39.5	
NONMANUFACTURING	244		151.50	MANUFACTURING	66	33.0	200.50	MANUFACTURING	187	39.5	
			13.000	KEYPUNCH OPERATORS	675	39.0	171.50	NONMANUFACTURING	80	40.0	541.
STENOGRAPHERS. SENIOR	454		186.00	MANUFACTURING	321		196.50		281	39.5	270.
MANUFACTURING	191		210.50	NONMANUFACTURING	354		146.50	MANUFACTURING	220	39.5	
NONMANUFACTURINS	263	35.5	163.00	PUBLIC UTILITIES	44		204.00	NONMANUFACTURING	61	40.0	
TRANSCRIBING-MACHINE TYPISTS	5 U	39.0	156.03	KEYPUNCH UPERATORS. CLASS A	275	39.5	207.50	DRAFTERS. CLASS C	142	39.5	214-
TWO TO TO				MANUFACTURING	203		215.00		96	39.5	
YPISTS	621		152.50	NONKANUFACTURING	72		178.00		- "		
MANUFACTURING	298		140.00					ELECTRONICS TECHNICIANS	403	40.0	339.
NONMANUFACTURING	323 45		209.50	KEYPUNCH OPERATORS, CLASS B	400	39.0	140.50	MANUFACTURING	81	40.0	290.
7 00210 011211123	4,5	34.0	204.50	MANUFACTURING	113	39.5	105.00				
TYPISTS. CLASS A	203	39.0	168.50	NONMANUFACTURING	282	39.0	135.50	ELECTRONICS FECHNICIANS. CLASS B-	133	40.0	323.
MANUFACTURING	101		192.00					PROFESSIONAL AND TECHNICAL			
NONMANUFACTURING	102		145.00	DANGERSTOWN AND TERMINAL	1		1	OCCUPATIONS - WUMEN			
	418		144.50	PROFESSIONAL AND TECHNICAL OCCUPATIONS - MEN				COMPUTER PROGRAMMERS (BUSINESS)	115	30 =	227
MANUFACTURING	197		152.50	OCCUPATIONS - GEN					113	39.5	2310
NONMANUFACTURING	221		137.50					COMPUTER PROGRAMMERS (BUSINESS).			
PUBLIC UTILITIES	26		187.50	COMPUTER SYSTEMS ANALYSTS				CLASS B	64	39.5	244.
				(BUSINESS)	193		350.50				
NONMANUEACTURINS	146		133.00	MANUFACTURING	101	39.	370.00 5 332.00	MANUFACTURING	94		
NONMANUFACTURING	122	31.00	120.50	MONDANOFACTORIAS	101				61	39.5	230.
FILE CLERKS. CLASS C	83	37.5	119.00	COMPUTER SYSTEMS ANALYSTS				REGISTERED INDUSTRIAL NURSES	122	40.0	273-
NONMANUFACTURING	83		117.50	(BUSINESS). CLASS A	85	39.5	5 382.00	MANUFACTURING	113		

Table A-4. Hourly earnings of maintenance, toolroom, and powerplant workers in Buffalo, N.Y., October 1977

			Hourly ea	mings 4	Numb	er of	worke	rs rec	eiving	straig	ght-tir	ne hou	ırly e	arning	s of—												
Occupation and industry division	Number of workers	Mean ²	Median ²	Middle range ²	Under \$ 4.60	and under	4.80	5.00		5.40	5.60	5.80	6.00	6.20	6.40	6.60	6.80	7.00	7.20	-	-	-	\$ 8.00 8 - 8.40 8	-	-	-	and
ALL WORKERS	167	\$ 7.91	\$ 7.93	\$ \$ 7.50- 3.80	-	_		_	_	_	_	4	3	6	10	3	-	ō	4	15	24	10	33	4	42	-:	
MANUFACTURING	154 1.193 1.126 67	8.12 8.13	7.95 7.95	7.56- 8.80 7.32- 9.36 7.33- 9.36 7.32- 0.82	-	-	4 4	2 2 -	-	-	11 11	17 17	7 4 7 4	19 14 5	8 8 -	27 27	32 31 1	33 31 2		115 115	100 100	63 63	32 52 48 4	13 13	41 29 - 29	454 454	
MAINTENANCE PAINTERS MANUFACTURING	138 129	7.72 7.86		7.01- 9.10 7.17- 9.10		-	-	-	1 -	-	-	9	5	4 2	2 2	5 5	6	11 11	7	22 22	8	-	6	4	43 43	2	
MANUFACTURING	479 459			7.14- 5.23 7.09- 3.13		-	-	-	-	-	-	4	21 21	-	7	36 36	37 37	25 16	17 17	152 152	8	31 31	95	15 15	21 11	7	
MAINTENANCE MECHANICS (MACHINERY) - MANUFACTURING	1,392			7.84- 9.36 7.76- 9.36		-	5 5	-	14	2	15 15	41 41	9 #	12 12	-	16 16	7	37 34	73 73	24 24	27 27	63 36	85 70	27	69	808	
IAINTENANCE MECHANICS (MOTOR VEHICLES)	585 233 352 301	7.42	7.33	6.75- 8.83	1	-		1	:	-	42 42 -	38 34 4	28	1	6	97 7 90 90	4 4 -	30 12 18 18	31 30 1 1	4 4 -	15 4 11 11	13	30 2 28 28	56 5 51 42	144 55 89 89	24 21 3 3	
MAINTENANCE PIPEFITTERS MANUFACTURING	636 630			7.59- 9.18 7.59- 9.18		-	Ĵ	-	-	-	3	-	9	13 10	16 16	16 16	5 5	21 1 s	54 54	28 28	90 90	66	56 56	-	242 242		
MAINTENANCE SHEET-METAL WORKERS MANUFACTURING	223 208			7.57- 9.13 7.99- 9.13		-	:	-	:	-	-	1	2	:	4	3	19	15 15	12 12	4	7	7	15 14	-	127 127	12 12	
MANUFACTURING	1,151					-	-	-		7	-	3	24	35 35	54 54	-	4	39 39	152 152	47 47	88 88	24 24	60	54 54	520 520		
MAINTENANCE TRADES HELPERS NORMANUFACTURING PUBLIC UTILITIES	251 66 61	5.66	6.72	6.72- 6.7	3 4	13	11	2	4 - -	=	3	5 3 3	4	=	7 - -	48 45 45	-	29 - -	-	-	59 - -	36	10 9 9	-	-	=	
MACHINE-TOOL OPERATORS (TOOLROOM) - MANUFACTURING	555 555							-		-	-		-	21 21	3			12 12	8	57 57	-	11 11	1	1	21 21		
MANUFACTURINS	899	8.62	9.39	7.58- 9.4	4 -		-	-	-	-	8	-	7	48	8	1	31 31	21	28 28	99	46	-	28 28	11	-	563	
MANUFACTURING	355 321	7.36	7.42	0.11- 8.2	8 -		: :	-	8	2	63	9	1	1	-	14	24	5	29	35 30	8	39	19	18	33 33	23	
MANUFACTURING							-	-	4	-	-	-	4	1	8	-	26 26	-	3	4	6	4	4	4	-	10 10	

Table A-5. Hourly earnings of material movement and custodial workers in Buffalo, N.Y., October 1977

			Hourly ea		Num	ber or	WOIK	ers re	cerving	g strai	gnt-ti	me no	urly ea	rning	s oi—												
	Number															\$ 4.20										5	\$
Occupation and industry division	of workers	Mean 2	Median ²	Middle range 2	and	2.40	2.50	2.00	2.00	3.00	3.20	3.43	3.00	3.00	4.00	4.20	4.00	3.00	3.40	3.03	0.20	0.00	1.00	7.40	1.80	3.20	8.
			,	made range	under	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ar
					2.40	2.50	2.60	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.60	5.00	5.40	5.30	6.20	6.60	7.00	7.40	7.50	8.20	8.60	ove
ALL WORKERS																											
RUCKORIVERS	2,794	\$ 7.19	\$ 13	\$ \$ 57					2	17	26		ō		0.5	0.0	25	# 0	14	744	0.7				6.7		
MANUFACTURING	529	6.52		6.47- 8.53 5.82- 7.37	_	_	_	_	2	13	25	_	-	_	16	80 34	25	49	9	364	93 51	461	481	45 32	13	1042	
NONMANUFACTURING	2,265	7.35		6.62- 6.53	-	-	-	-	2	13	25	-	4	-	29	46	3	-	2	265	42	412	386	13	10		
PUBLIC UTILITIES	1,194	7.98		6.79- 0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	9	267	42	10	-	811	2
RETAIL TRADE	170	6.01	6.43	4.46- 6.95	-	-	-	-	-	4	-	-	4	-	-	37	-	-	5	14	33	43	30	-	-	-	
TRUCKORIVERS, LIGHT TRUCK	431 151	6.08	6.62	6.18- 6.62 6.18- 7.37	-	-	-	-	2	13	9	-	-	-	45 16	18	6	1	1	65 63	1 -	221	36 36	-	13 13	-	
TRUCKORIVERS. MEDIUM TRUCK	352	5.04	6.67	4.97- 8.53	-	-	-	-	-	-	16	-	4	-	-	53	19	2	4	19	13	70	28	16	-	108	
MANUFACTURING	84	5.98	5.83	4.95- 6.93	-	-	-	-	-	-	-	-	-	-	-	16	16	2	4	9	13	3	-	16	-	5	
PUBLIC UTILITIES	268	7.72		6.67- 6.53		_	_	_	_	-	16	-	4	_	-	37	3	_	-	10	-	67	28	-	-	103	
TRUCKDRIVERS. HEAVY TRUCK			1																								
(TRAILER)	1.073	8.04	8.53	8.21- 8.53	-	_	-	-	-	-	-	-	-	-	-	9	-	-	5	25	56	93	66	14	-	777	2
MANUFACTURING	93	7.12	6.99	6.38- 8.43	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	12	23	3	5	1	-	39	
PUBLIC UTILITIES	980 631	8.13		3.53- 8.53		-	_	-	-	-	-	-	-	_	-	-	-		5	13	33	90	60	13	-	, ,,	
	031	0.00	0.55	0.55																	0			10	_	202	2
TRUCKDRIVERS, HEAVY TRUCK (OTHER THAN TRAILER)	879	6.98	7.13	6.15- 7.25	_	_			,							100		45	4	221	23	77	342	- 2	10	157	
MANUFACTURING	165	5.60		5.34- 7.22	_	_	_	_	_	_	_	_		_		_	_	45	4	5	15	37	44	-	-	16	
NONMANUFACTURING	713	7.06		6.15- 7.25	-	-	_	-	-	_	-	_	-	-	-	_	-	-	-	216	8	40	298	-	10		
PUBLIC UTILITIES	137	8.30		8.53- 8.53		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	123	
SHIPPING CLERKS	113	5.37	5.05	4.09- 6.65	_	_	_	-	-	-	-	4	13	8	4	13	6	15	3	10	3	19	9	2	3	1	
MANUFACTURING	81	5.51	5.39	4.25- 6.65		-	-	-	-	-	-	4	4	3	4	8	5	15	2	10	2	9	9	2	3	1	
RECEIVING CLERKS	287	5.59	5.08	4.13- 6.65	-	-	_	-	9	18	9	3	23	7	6	9	16	11	44	23	14	28	23	14	1	29	
MANUFACTURING	141	5.82		5.36- 6.27		-	-	-	-	-	-	- 3	-	4	4	2	16	10	41	23	14	8	5	13	1		
	146	5.37		3.43- 7.16	-	Ī	_	_	4	18	4	,	23	,	2	7	-	•	,			20	18	1	_	29	
SHIPPING AND RECEIVING CLERKS	149	5.20				-	-	-	-	-	-	-	-	-	11	4	5	-	21	28	31	36	-	1	12	-	
NOMMANUFACTURING	83	5.76		6.33- 0.88		-	_	_	-	_	_	-	_	_	7	2	5	-	21	17	31	36	_	1	12	_	
AREHOUSEMEN	1.443	5.95	6.07	5.38- 6.93	_	4	7	14	_	4	_	49	34	45	6	30	81	109	156	276	102	200	275			43	
MANUFACTURING	395			4.80- 0.43		_	_	-	-	_	-	12	19	20	6	2	46	1	93	57	90	11		4	4	28	
NONMANUFACTURING	1.047	6.02	6.07	5.38- 7.16	-	4	7	14	-	4	-	37	15	25	-	28	35	102	50	219	12	189	275	-	_	15	
PUBLIC UTILITIES	47	6.99				-	-	-	-	-	-	-	-	-	-	-		-	-	2	-	27	15	-	-	3	
RETAIL TRADE	290	5.86	5.85	5.32- 0.60	-	4	-	-	-	4	-	4	-	-	-	4	35	23	21	76	12	107	-	-	-	-	
ORDER FILLERS	615					-	-	9	27	45	21	13	49	8	24	84	31	23	34	25	84	83	2	2	-	1	
MANUFACTURING	158 457	5.51 4.76		3.50- 6.55		_	_	9	27	45	21	13	48	8 -	24	84	12 19	23	34	25	84	83	2	2	-	1	
SHIPPING PACKERS	703	5.71	5.91	3.85- 7.45	2	1	1	_	13	18	29	7	74	52	8	33	33	19	29	67	42		_	274	1		
MANUFACTURING	593	6.11		4.87- 7.45		-	-	-	4	-	2	2	38	52	8	33	33	6	29	67	42	-	-	274	1		
MATERIAL HANDLING LABORERS	2+445	6.59	6.55	5.40- 8.48	3	9	6	6	13	9	1	4	75	26	76	134	156	13	136	318	326	10a	41	285	1	696	
MANUFACTURING			6.00	4.85- 0.71	-	-		-	8	4	-	4	74	26		132	154	13	136	318	200	108		235	1		
NONKANUFACTURING	890			8.40- 8.48						5	1	-	1	-	28	2	2	-	-	-	126	-	-	-	-	696	
RETAIL TRADE	70	4.44	3.43	2.54- 6.55	3	9	6	6	5	5	1	-	1	-	-	2	2	-	-	-	30	-	-	-	-	-	

Table A-5. Hourly earnings of material movement and custodial workers in Buffalo, N.Y., October 1977—Continued

			Hourly ea	mings 4	Numl	per of	worke	rs rec	eiving	strai	ght-tir	ne hou	rly ea	rning	of—												
Occupation and industry division	Number of workers	Mean ²	Median ²	Middle range ²	and under	-	-	-	-	-	-	-	- 60	-	- 00	-	-	-	-	-	-	\$ 6.60 - 7.00	-	-	-	-	and
ALL WORKERS CONTINUED		¢	*																								
FORKLIFT OPERATORS	1.859	6.60	6.99	5.70- 7.51	-	-	-	-	-	-	-	-	-	-	26	13	126	157	191	149	204	66	145	727	4	51	
MANUFACTURING	1,660	6.54	6.98	5.64- 7.51	-	-	-	1.4	-	-	-	-	-	_	26	13	126	155	190	95	184	46	94	727	4	-	
NONMANUFACTURING	199	7.07	7.16	6.07- 8.48	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	54	20	20	51	-	-	51	
PUBLIC UTILITIES	51			8.48- 8.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	
POWER-TRUCK OPERATORS (OTHER THAN FORKLIFT)	764	4 77	7 10	6.57- 7.43					_	_			4	_		_	51		23	11	19	73	48	133	3.7		
MANUFACTURING				6.20- 7.43		-	-	-	-	-	-	-	-	-	-	-	51	-	20						33	-	
GUARDS AND MATCHMEN	1.819	3.80	2.40	2.34- 5.91	806	112	205	23	_	-	1	15	10	10	6	63	9	45	34	105	82	54	119	119	_	_	
MANUFACTURING	515					-	-	-	-	-	1	4	6	8	1	52	-	6	9	79	60	54	119	119	-	-	
NONMANUFACTURING			2.38			112	205	23	-	-	-	11	4	2	5	11	9	39	25	27	22	-	-	-	-	-	
GUARDS:																											
MANUFACTURING	483	6.62	6.91	6.08- 7.40	-	-	-	-	-	-	-	3	6	8	1	30	-	6	9	79	53	50	119	119	-	-	
JANITURS, PURTERS, AND CLEANERS	3.379	3.82	2.98	2.40- 5.45	746	286	117	217	416	216	30	25	20	61	40	131	89	128	158	303	129	96	171	-	-	_	
MANUFACTURING	1,111	5.75	6.05	5.20- 6.47	-	-	2	8	1	11	11	15	12	36	26	73	67	68	125	274	123	88	171	-	-	-	
NONMANUFACTURING						286	115	209	415	205	19	10	8	25	14	58	22	60	33	29	6	8	-	-	-	-	
PUBLIC UTILITIES	135						-	1	-	-	-	-	-	-	-	17	6	53	33	16	1	8	-	-	-	-	
	173					Ó	15	49	29	44																	

Table A-6. Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, by sex, in Buffalo, N.Y., October 1977

Sex, 3 occupation, and industry division	Number of workers	Average (mean ²) hourly earnings ⁴	Sex, 3 occupation, and industry division	Number of workers	Average (mean ²) hourly earnings ⁴	Sex, 3 occupation, and industry division	Number of workers	Average (mean ²) hourly earnings ⁴
MAINTENANCE. TOOLROOM. AND			MATERIAL HOVEMENT AND CUSTODIAL OCCUPATIONS - MEN			MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MENCONTINUED		
POWERPLANT OCCUPATIONS - MEN			OCCUPATIONS - HEN			OCCUPATIONS - MENCONTINUED		
MAINTENANCE CARPENTERS	167	7.91	TRUCKDRIVERS	2.790	7.20	SHIPPING PACKERS	563	6.02
MANUFACTURING	154	7.97	MANUFACTURING	529		MANUFACTURING	460	
		100	NONMANUFACTURING	2.261	7.35			
MAINTENANCE ELECTRICIANS	1.192	8.12	PUBLIC UTILITIES	1.190	7.99	MATERIAL HANDLING LABORERS	2 + 421	6.62
MANUFACTURING	1,125		RETAIL TRADE	170	6.01	MANUFACTURING	1.541	5.90
NONMANUFACTURING	67	7.94				NONMANUFACTURING:	1	
			TRUCKORIVERS. LIGHT TRUCK	427	1		68	4.50
MAINTENANCE PAINTERS	133		MANUFACTURING	151	6.24			
MANUFACTURING	129	7.86	TOUCKDOINERS MEDIUM TOUCK	750		FORKLIFT OPERATORS	1+842	
#1717511105 H101717575			TRUCKORIVERS. MEDIUM TRUCK	352		MANUFACTURING	1+643	
MAINTENANCE MACHINISTS	479		NONMANUFACTURING	84			199	1,000
MANUFACTURING	459	7.58	PUBLIC UTILITIES	268			51	8.50
MAINTENANCE MECHANICS (MACHINERY) -	1,365	8.53		200	1.12	POWER-TRUCK OPERATORS COTHER		
MANUFACTURING	1.340	8.55	TOUCKOOTUEGE MEANY TOUCK			THAN FORKLIFT)	385	6.77
nada notonza		0.00	(TRAILER)	1.073	8.04		328	
MAINTENANCE MECHANICS			MANUFACTURING	93				
(MOTOR VEHICLES)	585	7.51	NONMANUFACTURING	980		GUARDS AND WATCHMEN	1.092	3.87
MANUFACTURING	233		PUBLIC UTILITIES	631			511	6.51
NONMANUFACTURING	352	7.57				NONMANUFACTURING	1.181	2.73
PUBLIC UTILITIES	301	7.72						
			(OTHER THAN TRAILER)	879				
MAINTENANCE PIPEFITTERS	636	8.19	MANUFACTURING	166			475	6.61
MANUFACTURING	630	8.20		713				
MATNITEMANCE CHEST-METAL MODERNS	220	0 45	PUBLIC UTILITIES	137	8.38	JANITORS PORTERS		
MAINTENANCE SHEET-METAL WORKERS MANUFACTURING	223	8.45	SHIPPING CLERKS	109	5.39	MANUFACTURING	873 943	
MANUFACTURING	205	2.01	MANUFACTURING	77			99	
MILLWRIGHTS	1.151	8.24			,.,,	RETAIL TRADE	98	
MANUFACTURING	1,151	8.24	RECEIVING CLERKS	276	5.64		,,,	1
			MANUFACTURING	136	5.80	MATERIAL MOVEMENT AND CUSTODIAL		
MAINTENANCE TRADES HELPERS	250	6.92	NONMANUFACTURINS	140	5.48	OCCUPATIONS - WOMEN		
NONMANUFACTURING	68	6.66				ORDER FILLERS	184	3.91
PUBLIC UTILITIES	61	6.86	SHIPPING AND RECEIVING CLERKS	145			167	3.79
			MANUFACTURING	79				
MACHINE-TOOL OFERATORS (TOOLROOM) -	555	1 2 2 2 2 2 2	NONMANUFACTURING	66	6.75	SHIPPING PACKERS	140	
MANUFACTURING	555	8.78	WAREHOUSEMEN	1 - 0.70	E 07	MANUFACTURING	133	4.56
TOOL AND DIE MAKERS	899	8.62		1.430		GUARDS AND WATCHMEN	127	2.93
MANUFACTURING	899			1.043			120	
ARROTACIONING	044	0.02	PUBLIC UTILITIES	47			120	
STATIONARY ENGINEERS	355	7.37		286		JANITORS, PORTERS, AND CLEANERS	1+525	3.16
MANUFACTURING	321			200	1	MANUFACTURING	233	
		1	ORDER FILLERS	431	5.40		1,292	
BOILER TENDERS	83	7.31	MANUFACTURING	141	5.55		36	
MANUFACTURING	83			290	5.32	RETAIL TRAJE	75	2.83

Table A-7. Percent increases in average hourly earnings, adjusted for employment shifts, for selected occupational groups in Buffalo, N.Y., for selected periods

	October 1972	October 1973	October 1974	October 1975	October 1976
Industry and occupational group 5	to	to	to	to	to
	October 1973	October 1974	October 1975	October 1976	October 1977
All industries:					
Office clerical	6.4	8.2	8.1	7.0	7.6
Electronic data processing	(6)	8.8	7.7	6.9	5.9
Industrial nurses	6.7	10.0	10.6	8.2	8.3
Skilled maintenance trades		9.5	9.9	10.0	8.3
Unskilled plant workers	7.4	9.1	8.9	8.9	7.4
Manufacturing:					
Office clerical	6.6	9.0	9.2	7.2	8.0
Electronic data processing	(6)	9.5	9.0	8.5	7.3
Industrial nurses	6.5	10.0	12.0	7.8	8.4
Skilled maintenance trades	8.1	9.8	10.1	10.1	8.3
Unskilled plant workers	7.7	9.6	9.9	9.9	8.1
Nonmanufacturing:					
Nonmanutacturing: Office clerical	6.2	7.2	6.5	6.7	7.1
Electronic data processing	(6)		(6)	(6)	(6)
Industrial nurses	(6)	(⁶)	(6)	(6)	(⁶)
Unskilled plant workers	6.4	7.7	6.4	7.6	6.5
		187			

Table A-8. Weekly earnings of office workers-large establishments in Buffalo, N.Y., October 1977

					y earnings¹ andard)	Numb	er of	worke:	rs rec	ceiving	strai	ght-tir	ne we	ekly e	arning	s of—										
Occupation and industry division	Number	Average weekly		(00						120					\$ 170					\$ 220				\$ 300	-	\$
occupation and industry division	workers	hours 1 (standard)	Mean 2	Median 2	Middle range ²	and under	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	aı
		-				90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	280	300	320	340	01
ALL WORKERS																										
			\$	\$	\$ \$																					
CKETARIES	951	39.0	214.50	207.00	172.00-248.00	-	-	-	10	11	26	36	50	89	61	87	65	52	60		123	83	29	21	17	
MANUFACTURING					188.50-257.50		-	-	-	-	1	5	18	50	.37	58	45	33	47	94	104	75	28	9	17	
PUBLIC UTILITIES	306				150.00-206.00 243.50-300.50		-	_	10	11	25	31	32	39	24	29	20	19	13	10	19	6	1	12	-	
SECRETARIES, CLASS A	57				235.50-285.50		_	_	,	_	1	1	_	_	_	1	_	- 2	5	6	14	10	4	8	3	
									•			2														
MANUFACTURING	161 79				191.00-263.00		_	_	_	_		-	10	11	4	11	11	16	7	13	27	14	10	1	1	水油
NONMANUFACTURING	82				167.50-223.50		-	-	-	-	-	2	10	11	4	10	6	10	6	7	5	7	1	-	-	
SECRETARIES. CLASS C	392	39.0	218.50	212.00	174.50-267.00	-	-	-	3	6	10	14	19	29	26	40	33	12	35	29	34	56	11	12	13	
MANUFACTURING					193.00-276.00		-	-	-	-	-	-	5	15	13	23	23	9	32	26	26	55	11	2	13	
NONMANUFACTURING	130	38.0	182.50	172.00	150.30-197.30	-	-	-	3	6	10	14	14	14	13	17	10	4	3	3	8	1	-	10	-	
SECRETARIES. CLASS D	334				162.50-226.50		-	-	6	4	15	19	21	49	29	34	20	20	13	49	48	3	4	-	-	
MANUFACTURING	260				174.50-233.50		-	_	-	-	14	14	13	35 14	24	33	17	18	13	49	45	3	4	-		
NONMANUFACTURING	74	30.0	154.50	144.50	136.00-165.00	1	-		0	4	14	14		14		•	,	2								
TENOGRAPHERS	531				148.00-222.00		2	10	28	24	28	55	54	49	39	24	35	26	18	39	57	24	7	8	4	
MANUFACTURING	245				162.00-240.06		2	10	27	22	26	22	32 22		10	12	19	14	9		25 32	23	1	7	4	
NORTH NOT NOT ONLING	200	33.0	10,000	100.00	133.00 172.30		-	10														1				
STENOGRAPHERS. GENERAL					144.00-222.00		2	8	17	14	16	40		29	26	9	9	6	2		14	3	2	7		
NONHANUFACTURING	148				158.00-222.00		2	8	16	12	14	19	31 14	23	18	6	1	6	-	7	30	1	-	-	-	
STENOGRAPHERS. SENIOR	230	30.0	103.5	192.00	158.00-226.50		_	2	11	10	12	15	9	20	13	15	25	20	16	18	13	20	5	1	4	
MANUFACTURING					197.00-261.50		_	-	-	-	-	3	1			6	11	8	7		11	20	4	-	4	
NONMANUFACTURING					138.50-192.50		-	2	11	10	12	12	8	17	11	9	15	12	9	1	2	-	1	1	-	
YPISTS	436	33.5	159.50	153.00	130.00-182.00	3	7	37	29	32	40	51	49	47	28	29	20	4	5	41	7	5	-	2	-	
MANUFACTURING					147.50-168.50		-	-	-	10		40		25		25	18	3	5	12	7	5	-	2	_	
NONHANUFACTURING	219	37.5	146.50	137.00	114.50-165.50	3	7	37	29	22	22	11	22	22	8	4	~	•		2,						
TYPISTS. CLASS A					128.50-230.50		3	16	13	13		17	9	12	6	8	11	4	4	31	7	4	-	2	-	
MANUFACTURING	89				159.00-230.50		3	16	13	13	10	16	6	9	6	7	10	3	4	12		-	-	2	_	
							,				10			_												
MANUFACTURING					133.00-168.00		4	21	16	19	27 15	34	40			21 18	9	_	1		_	1	-	-	_	
NONEANUFACTURING					115.00-161.5		4	21		9	12	10				.3	1	_	-	10	-	-	-	-	-	
ILE CLERKS					98.00-179.50		15	4	2	6	4	6	3	2	4	4	3	2	2	2	2	-	-	-	_	
NONMANUFACTURING					115.00-160.00		5	11		9	2	3	10	5	12	3	1 -	2	2	13		-	1 -	-	_	
WITCHBOARD OPERATORS		1 3 3			146.50-213.0		5	2		2	_	7	3	8	8	3	2	2	3	3	10	-	1	-	_	
				1				-							_		1	19	7	7	3	3	4	_	-	
MANUFACTURING	65				176.50-226.0		2	3	_		1	1	1	3	5	4	1		1	7		3	4	-	_	

^{*} Workers were distributed as follows: 2 at \$340 to \$360; and 1 at \$360 to \$380.
** Workers were distributed as follows: 2 at \$340 to \$360; 4 at \$360 to \$380; 3 at \$380 to \$400; and 4 at \$400 to \$420.

Table A-8. Weekly earnings of office workers-large establishments in Buffalo, N.Y., October 1977—Continued

					y earnings ^I andard)	Numb	er of	worke	rs rec	eiving	strai	ght-tir	me we	ekly ea	arning	s of										
Occupation and industry division	Number of workers	Average weekly hours ¹ (standard)	Mean ²	Median ²	Middle range ²	and under	-	-	-	120	130	140	150	-	170	180	190	200	210	\$ 220 - 240	240	-	-	-	-	an
ALL WORKERS Continued																										
ACCOUNTING CLERKS	1	70.0	\$	\$	\$ 143.50-291.50	-	13	22	20		7.	70	25	E0		20	70	20			20		25		7.0	
							13	20	24	42	10	38	25	20	24	29	32	28	11		20	10	25	47	38	B :
MANUFACTURING					176.00-317.00			-	-	7		8	9	25 25	36	20	18	14	4	15	14					8 *
NONMANUFACTURING	303	38.5	174.50	150.50	127.50-196.00	-	13	20	24	38	26	30	16	25	18	9	14	14	2	1	6	3	4	20	10	0 1
ACCOUNTING CLERKS. CLASS A	352	39.5	239.00	210.50	172.00-328.00	-	1	5	6	11	11	9	10	31	39	20	17	14	11	14	4	9	12	31	38	8
MANUFACTURING	234	40.0	263.00	278.50	186.50-338.50	-	-	-	-	-	-	1	1	16	27	16	13	12	9		1	9	12	27	28	8
NONMANUFACTURING	118				135.50-213.50		1	5	6	11	11	8	9	15	12	4	4	2	2	1	3	-	-	4	10	
ACCOUNTING CLERKS, CLASS B	274	38-5	172-50	154-00	129.00-199.00	-	12	15	18	34	25	29	15	19	15	9	15	14	_	2	16	7	13	16		_
MANUFACTURING					148.00-249.00				-	7	10	7			0		5	2	_	2	13		- 0			_
NONMANUFACTURING					120.00-193.00		12	15	18	27	15	22		10	6	5	10	12	_	1 -	3			16	-	_
PUBLIC UTILITIES					295.50-308.50			-	-	-		-	-	-	-	_	-		_	-	3	3	4	16		_
100210 011211123		10.0	274.00	30	275250 300250																,	,	•	10		
KEYPUNCH OPERATORS	402	39.0	194.00	185.50	150. 30-230.50	-	-	9	16	26	21	27	24	40	26	18	17	10	42	43	6	62	6	6	3	3
MANUFACTURING	233	40.0	215.50	213.50	176.50-272.00	-	-	-	-	1	3	7	16	24	21	16	15	8	28	21	-	58	6	6	3	3
NONMANUFACTURING	169	38.0	164.50	148.00	125.50-211.00	-	-	9	16	25	18	20	8	16	5	2	2	2	14	22	6	4	-	-	-	-
PUBLIC UTILITIES	37	39.0	230.00	237.00	228.00-242.50	-	-	-	-	-	-	-	-	3	1	1	-	-	-	22	6	4	-	-	-	-
KEYPUNCH SPERATORS. CLASS A	234	39.5	217-50	217-00	183.00-267.00	-	_	1	7	5	4	4	6	13	13	13	14	9	41	31	4	59	5	2	, ,	3
MANUFACTURING					196.00-272.00		-	_	_	_		_	3	8	9	12	12	7	27			-		2		3
NONMANUFACTURING					143.50-230.50		_	1	7	5	4	4	3	5	4	1	2	2	14		4	4	_	_		_
	1 "	2000						•		-				,		•		_		1						
KEYPUNCH OPERATORS. CLASS B	168	33.5	161.50	153.00	133.50-175.00	-	-	8	9	21	17	23	18	27	13	5	3	1	1	12	2	3	1	4	-	-
MANUFACTURING	69				157.00-179.50		-	_	_	1	3	7					3	1	1	-	-	3	1	4		-
NONMANUFACTURING	99				123.00-160.00				9	20	14	16		11			_			12	2		_			-

^{*} Workers were at \$340 to \$360.

Table A-9. Weekly earnings of professional and technical workers-large establishments in Buffalo, N.Y., October 1977

					ly earnings ¹ tandard)	Nun	ber of	worke	ers rec	eiving	stra	ight-ti	me we	ekly	earnin	gs of-	-									
Occupation and industry division	Number of workers	Average weekly hours 1 (standard)	Mean 2	Median ²	Middle range ²	Unde \$ 150	150 r and under	160	-	180	190	200	220	240	260	280	300	320	340	360	380	\$ 400 - 420	420	-	-	an
ALL WORKERS							100	170	100	170	200	220	240	200	200	300	320	340		300	400	420	440	400	400	
MPUTER SYSTEMS ANALYSTS BUSINESS) MANUFACTURING NONMANUFACTURINS	146 91 55	40.0	373.50	368.50	\$ \$ 301.50-384.00 333.00-415.00 275.50-348.00	=	:	:	1 - 1	=		1 1 -	1 - 1	5 1 4	11 1 10	14 4 10	19 13 6	16 11 5	15 8 7	18 13 5	16 12 4	7 6 1	5	5 4 1	7	
COMPUTER SYSTEMS ANALYSTS (BUSINESS). CLASS A	70	39.5	378.00	379.00	345.50-415.50	-	-	-	-	-	-	-	-	1	4	3	3	ö	8	11	13	7	3	4	6	,
COMPUTER SYSTEMS ANALYSTS (BUSINESS). CLASS B	72	39.5	324.50	316.50	286.50-350.50	-	-	-	-	-	-	-	1	4	7	11	16	11	7	7	3	-	2			
MPUTER PROGRAMMERS (BUSINESS) MANUFACTURING NONMANUFACTURING	203 102 101	40.0	312.00	296.50	220.00-326.50 253.00-350.00 207.50-288.50		:	3 - 3	3 - 3	11 3 8	15 8 7	18 4 14	19 4 15	20 14 6	26 12 14	19 7 12	12 3 9	15 10 5	15 12 3	4 3 1	7 6 1	2 2 -	1	3	6	
COMPUTER PROGRAMMERS (BUSINESS). CLASS A	73 52				285.00-391.00 301.50-427.00		-	-	1 -	-	1 -	1 -	6	3 2	6 5	6 5	8	10	7 6	3 2	7 6	:	1	3	6	
COMPUTER PROGRAMMERS (BUSINESS).	76	39.0	266.00	260.00	235.00-282.50	-			_	2	3	6	10	15	19	7		3	8	1	_	2	-	_	-	
COMPUTER PROGRAMMERS (BUSINESS).	54	38.0	224.50	208.50	190.00-255.50	-	-	3	2	9	11	11	3	2	1	6	4	2	_	-	-	_		_	-	
MPUTER OPERATORS MANUFACTURING NONMANUFACTURING	222 131 91	40.0	277.00	265.00	197.50-319.00 221.00-349.00 177.00-233.00	2	7	12 5 7	10 2 8	8 2 6	17 6 11	33 14 19	37 17 20	11 11 -	19 17 2	3 2 1	4	11 8 3	32 28 4	1	5	4	1	1	-	
COMPUTER OPERATORS. CLASS A	101				228.30-349.00		:	3 -	=	2	2	15 8	14	9	17 15	2	2 2	7	24 24	-	1	1	1	1	-	
COMPUTER OPERATORS. CLASS 8					187.50-236.00 175.00-228.00		5 4	5	10 8	6	15 10	18 12	23 15	2	2	-	2	4 3	8	1	4	3	:	:	1	
AFTERS	356 321				269.00-344.50 264.50-353.00		: :	-	2	3	5	10	18 17	31 30	39 30	37 36	40 34	77 65	18 14	33 33	20 20	11 11	12 12	:	-	
DRAFTERS+ CLASS A	132 127				303.50-363.00		: :	-	-	:	:	-	:	7	16 16	6	16 15	15 15	14 10	24 24	11 11	11 11	12 12	-	-	
DRAFTERS. CLASS B					280.00-335.50		: :	-	:	-	1	7 6	8	8	11 10	18 17	13 13	56 44	3	8	9	- :	:	:	-	
DRAFTERS. CLASS C					233.50-302.00		: :	-	2 2	3	4	3	10 10	16 16	12 4	1	11 6	6	1	1	-	-	:	-	-	
ECTRONICS TECHNICIANS					293.00-351.50		: :	-	-	-	1 -	3	5	4	4	17 14	15 10	17 13	35 5	6 2	2 2	1	-	-	-	
ELECTRONICS TECHNICIANS. CLASS B-	60	40.0	321.0	351.5	307.50-351.5			-	-	_	-	2	5	4	2	2	3	10	32	-	-	-	-	-	-	
EGISTERED INDUSTRIAL NURSES					241.50-319.0 243.00-320.0		: :	-	- :	-	2	4 2	15 15	16 15		9	16 16	11 11	8	3	:	:	:	:	-	

Table A-10. Average weekly earnings of office, professional, and technical workers, by sex—large establishments in Buffalo, N.Y., October 1977

			erage ean ²)				erage an ²)				erage ean ²)
Sex, 3 occupation, and industry division	Number of workers	Weekly hours (standard)	Weekly earnings ¹ (standard)	Sex, 3 occupation, and industry division	Number of workers	Weekly hours (standard)	Weekly earnings ¹ (standard)	Sex. 3 occupation, a ndustry division	Number of workers	Weekly hours (standard)	Weekl earning (standa
OFFICE OCCUPATIONS - MEN				OFFICE UCCUPATIONS -				PROFESSIONAL . FECHNICAL			
ACCOUNTING CLERKS:			d	WUMENCONTINUED				OCCUPATIONS - MENCONTINUED			
MANUFACTURING	95	39.5	295.50	TYPISTS - CONTINUED			•	COMPUTER SYSTEMS ANALYS (BUSINESS) - CONTINUED	1.1		
ACCOUNTING CLERKS. CLASS A:				TYPISTS. CLASS B	260	38.5	151.50	(BOSINESS) - CONTINUED			
MANUFACTURING	81	39.5	303.00	MANUFACTURING	128		159.50	COMPUTER SYSTEMS ANALYSTS			\$
				NONMANUFACTURING			143.50	(BUSINESS). CLASS A	61	39.5	382.
OFFICE OCCUPATIONS - HOMEN				FILE CLERKS	56	37.5	138.00	COMPUTER SYSTEMS ANALYSTS (BUSINESS). CLASS B		70.5	
OFFICE OCCUPATIONS - WOMEN				MESSENGERS	60	37 5	152.00	TOUSINESSIV CLASS &	20	39.5	333.
				nessensens	00	31.03		COMPUTER PROGRAMMERS (BUSINESS)	121	39.0	305-
SECRETARIES	930	39.0	216.00	SWITCHBOARD OPERATORS	57	38.5	174.50	MANUFACTURING		40.0	
MANUFACTURING	645		229.50					The second secon			
NONMANUFACTURING	285	38.0	185.50	ORDER CLERKS	56	38.5	191.50	COMPUTER PROGRAMMERS (BUSINESS).			
PUBLIC UTILITIES	27	37.5	280.50					CLASS A	62	39.5	348.
				ACCOUNTING CLERKS	469		196.0U				
SECRETARIES. CLASS A	57	39.5	255.50	MANUFACTURING	228			COMPUTER OPERATORS		39.5	
SECRETARIES - CLASS B	141	73 =	235.50	NONMANUFACTURING	241	35.5	172.00	MANUFACTURING	86	43.0	290.
MANUFACTURING			268.00	ACCOUNTING CLERKS. CLASS A	231	30 5	223.00	COMPUTER OPERATORS. CLASS A	4.3	39.5	224
NONMANUFACTURING	82		204.50	MANUFACTURINS			241.50	MANUFACTURING	52		
SECRETARIES. CLASS C	392		218.50	ACCOUNTING CLERKS, CLASS &	238		165.00	COMPUTER GPERATORS. CLASS B	75	39.0	240.
MANUFACTURING	262		236.50	MANUFACTURING	75		180.50	BUASTS OF			
NONMANUFACTURING	130	38.0	182.50	NONMANUFACTURING	163	33.0	158.00	DRAFTERS	337		
SECRETARIES. CLASS D	313	39.5	196.00	KEYPUNCH UPERATORS	391	39.0	193.00	HANDFACIORING	305	40.0	313.
MANUFACTURING	260		204.00	MANUFACTURING	233		215.50	DRAFTERS, CLASS A	129	40.0	344
				NONMANUFACTURING	158		160.00	MANUFACTURING	124		
STENOGRAPHERS	530		184.50							1000	
MANUFACTURING	244		204.50	KEYPUNCH OPERATORS. CLASS A	223		217.00	DRAFTERS. CLASS B	131		
NONMANUFACTURING	286	33.0	167.50	MANUFACTURING	164		230.50 178.50	MANUFACTURING	117	40.0	310.
STENOGRAPHERS. GENERAL	300	70 6	178.00	NON MANOFACTURING	24	35.0	178.50	DRAFTERS. CLASS C	66	40.0	266
MANUFACTURING	147		188.50	KEYPUNCH OPERATORS. CLASS B	163	33.5	161.50		54		
NONMANUFACTURING			167.50	MANUFACTURING	69		179.50				
		1		NONMANUFACTURING	99	33.0	149.00	ELECTRONICS TECHNICIANS	110	40.0	319
STENOGRAPHERS. SENIOR	230	39.0	193.50		13			MANUFACTURING	59	40.0	308
MANUFACTURING	97	40.0	228.50						1.00		
NONWANUFACTURING	133	38.5	168.00					ELECTRONICS TECHNICIANS. CLASS B-	60	40.0	321
				PROFESSIONAL AND TECHNICAL							
TYPISTS	4 3 3		160.00	OCCUPATIONS - MEN							1
MANUFACTURING	217		173.00			:		PROFESSIONAL AND TECHNICAL			
NONMANUFACTURING	210	31.0	140.50	COMPUTER SYSTEMS ANALYSTS				OCCUPATIONS - WOMEN			
TYPISTS. CLASS A	173	38.5	172.50	(BUSINESS)	120	39.5	359.50				
MANUFACTURING	89		193.00	MANUFACTURING	83			REGISTERED INDUSTRIAL NURSES	02	100	20.
NONKANUFACTURING	84		151.50		"		1	MANUFACTURING		40.0	284

Table A-11. Hourly earnings of maintenance, toolroom, and powerplant workers—large establishments in Buffalo, N.Y., October 1977

			Hourly ea	rnings 4	Numbe	er of	worke	rs re	ceivin	g strai	ght-tir	ne ho	irly ea	rnings	of—												
Occupation and industry division	Number of workers	Mean 2	Median ²	Middle range 2		4.60																7.80	8.00	8.40	8.80	9.20	\$ 9.6
					4.00	under		5.20	5.40	5.60	5.80	6.00	6.20	6.40	6.60	6.80	7.00	7.20	7.40	7.60	7.80	5.00	8.40	3.30	9.20		
ALL WORKERS		\$	\$	\$ \$																							
MANUFACTURING	125 113	Ψ.	8.10	7.46- 8.80 7.63- 8.80		-	-	-		: :	-	-	3 -	6	9	3	Ξ	4	4	7	15 14	10 10	18 17	4	42 41	-	
MANUFACTURING	955 913			7.40- 9.36 7.40- 9.36	1	-	-			: :	1	9	7	9	8	27 27	18 17	33 31	99	81	52 52	63	44	13 13	29	454 454	
MANUFACTURING	109 105			7.19- 9.10 7.19- 9.10		-	-			-	-	3	4 4	2	2	5	6	7	7	11 11	8	-	4 3	4	43	2 2	
AINTENANCE MACHINISTS	327 307	7.61 7.58	1	6.91- 8.23 6.91- 8.23		-	-			:	-	4	7	-	7	32 32	37 37	21 12	17 17	76 76	8	7	65 64	15 15	21 11	7	
AINTENANCE MECHANICS (MACHINERY) -	1,225			8.17- 9.44 8.71- 9.44		-	-				4	4	4 4	12	-	16	1	21 18	73 73	24 24	27 27	51 24	85 70	27	69		
AINTENANCE MECHANICS (MOTOR VEHICLES)	213 155	8.22	8.60	7.33- 9.18 7.33- 9.18 8.20- 8.82	-	-		1		: :	;	:	-	1 1	5 5	7 7	4 4	12 12	31 30	3 3	15 4	13	25 2 23	5 5	75 55 20	21 21	
AINTENANCE PIPEFITTERS MANUFACTURING	509 503	8.36		7.65- 9.18 7.65- 9.18		-	-			: :	1 1	-	1	3 -	16 16	14 14	3	13 10	54 54	18 18	42 42	66	19 19	:	242 242	17 17	
AINTENANCE SHEET-METAL WORKERS	226 206			7.57- 9.18 7.99- 9.18		-	-			: :	-	1	-	-	4	3	19	15 15	12	4	7	7	15 14	:	127 127	12 12	
ILLARIGHTS BNISHTSATURAN	1.025 1.025			7.33- 9.18 7.33- 9.18		-	:			7	=	3	-	3	50 50	-	4	39 39	162 162	35 35	34 34	24 24	60 60	54 54	520 520	30 30	
MAINTENANCE TRADES HELPERS NOMMANUFACTURING PUBLIC UTILITIES	212 59 52	6.42	6.72		4	5	:				3	5 3 3	4 4	=	2	48 45 45	9 -	29 - -	-	=	59 - -	38	1 - -	:	-	-	
ACHINE-TOUL OPERATORS (TOOLROOM) - MANUFACTURING	539 539			9.18- 9.27 9.18- 9.27		-				: :	: :		_	5 5	3	18 18	2 2	12 12	5	57 57	-	11 11	1 1	1	21 21		
OOL AND DIE MAKERS	816 816					-				: :	-	-	7	27 27	-	1	19 19	7	28 28	79 79	46 46	-	28 28	11 11	-	563 563	
TATIONARY ENGINEERS	185 170					-			-	: :	7		2	1	-	11 11	9	5 5	29 29	18 16	8	10	19 19	13	29 29		
OILER TENDERS	54 54					-				4 -	. :		4 4	-	8	-	1	-	9	4	6	4	4	-	-	10 10	

Table A-12. Hourly earnings of material movement and custodial workers-large establishments in Buffalo, N.Y., October 1977

			Hourly ea	rnings 4	Num	ber of	work	ers re	eceivin	g stra	ight -ti	me ho	irly e	arning	s of-												
Occupation and industry division	Number of						-					3.40				\$ 4.20		\$ 5.00			\$ 6.20	\$ 6.60	\$ 7.00	\$ 7.40	5 7.80	8.20	8.6
	workers	Mean 2	Median ²	Middle range ²	and under 2.40		2.60	2.80	3.00	3.20	3.40	3.60	-	4.00	-	4.60	- 5.00	5.40	5.30	6.20	6.60	7.00	- 7.40	7.00	8.20	8.60	ove
ALL WORKERS																											
RUCKORIVERS	538	\$ 7.14	\$ 22	\$ \$											2				-		70						
MANUFACTURING	263			6.63- 7.36		_	_	-	- 2	2		-	_	_	2		_	4	6	67 28	32 27	115	137	24	13	114	
NONMANUFACTURING	270			6.65- 6.2		-	_	_	2	2	_	_	_	_	2	_	_	_	-	39	.5	68	42	10	10	90	
PUBLIC UTILITIES	98			6.08- 7.3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-	19	42	10	-	-	
TRUCKORIVERS. LIGHT TRUCK	72	6.99	7.37	6.87- 7.37	-	-	-	-	2	2	_	-	-	-	2	-	-	1	-	2	-	14	36	-	13		
TRUCKDRIVERS. MEDIUM TRUCK	79	6.73	6.79	6.05- 7.3	2 -	-	-	-	-	-	-	-	-	-	-	-	-	2	4	19	4	14	28	8	-	-	
TRUCKDRIVERS, HEAVY TRUCK																											
(TRAILER)	215	7.53	8.21	6.65- 8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	7	28	50	6	11	-	114	
MANUFACTURING	59	7.34	7.09	6.47- 8.4	3 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	23	1	6	1	-	24	
NONMANUFACTURING	157	7.60	8.21	6.65- 8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	49	-	10	-	90	
RECEIVING CLERKS	196	6.15	0.03	5.58- 7.10	-	-	_	-	3	9	_	3	5	3	2	5	9	5	30	23	2	24	23	14	1	29	
MANUFACTURING	96	6.02	5.79	5.01- 6.4		-	-	-	-	-	-	-	-	-	-	2	9	4	33	23	2	4	5	13	1	-	
NONHANUFACTURING	100	6.27	6.60	4.26- 8.2	0 -	-	-	-	3	9	-	3	5	3	2	3	-	1	3	-	-	20	18	1	-	29	
WAREHOUSEMEN	632	6.56	6.72	5.94- 7.1	6 -	_	-	-	_	-	-	12	2	-	6	6	18	14	54	75	94	48	275	-	-	28	
MANUFACTURING	237	6.13	6.24	5.66- 6.5	2 -	-	-	-	-	-	-	12	2	-	6	2	18	5	37	34	82	11	-	-	-	28	
ORDER FILLERS	256	5.84	5.68	5.60- 6.6	0 -	-	_	-	_	2	3	4	2	-	_	_	19	23	76	25	12	83	2	2	_	1	
MANUFACTURING	144			5.31- 5.6		-	-	-	-	-	-	-	1	-	-	-	12	23	70	25	-	-	2	2	-	1	
MATERIAL HANDLING LABORERS	693	6.62	6.76	6.13- 7.5	2 3	5		2	4	4	1	_	1	_	10	23	14	7	6	89	84	108	41	285	1	_	
MANUFACTURING	663			6.29- 7.5		-	-	-	-	-	-	-	-	-	10	21	12	7	6	89	84	108	41	205	1	-	
FORKLIFT OPERATORS	1+314	6.91	7.51	6.33- 7.5	1 -	_	_	-	-	-	_	-	_	-	_	_	34	68	118	95	86	43	139	727	4	_	
MANUFACTURING	1,269					-	-	-	-	-	-	-	-	-	-	-	34	68	118	95	86	43	94		4	-	
POWER-TRUCK OPERATORS COTHER																											
THAN FORKLIFT)	316	7.13	7.43	6.60- 7.4	3 -	-		-	-	-	-	-	-	-	-	-	-	-	15	5	10	72	48	133	33	-	
MANUFACTURING	256	7.26	7.43	7.27- 7.4	3 -	-	-	-	-	-	-	-	-	-	-	-	-	-	15	5	10	12	48	133	33	-	
GUARDS AND WATCHMEN	454	6.61	7.12	5.97- 7.7	1 -	-		1	_	_	1	12	4	2	6	12	3	9	22	70	32	52	111	117	-	-	
MANUFACTURING	382					-	-	-	_	-	1	1	-	-	1	1	-	6	6	55	31			117	-	-	
NONMANUFACTURING	72	4.86	4.85	4.01- 5.7	0 -	-		1	-	-	-	11	4	2	5	11	3	3	16	15	1	-	-	-	-	-	
GUARDS:																											
MANUFACTURING	363	6.98	7.12	6.63- 7.7	1 -	-	-	-	-	-	-	-	-	-	1	-	-	6	٥	55	24	48	111	117	-	-	
JANITORS. PORTERS. AND CLEANERS	1.024	5.66	5.86	5.19- 6.6	0 4	,		11	12	12	7	20	6	21	8	94	28	102	152	173	106	87	171	-	-	-	
MANUFACTURING	764	6.07	0.09	5.48- 6.6		-	-	-	-	-	1	14	2	-	-	49	21	49	119	147	105			-	-	_	
NONKANUFACTURING	260	4.48	4.38	3.80- 5.2	1 4	5		11	12	12	6	6	4	21	8	45	7	53	33	26	1	1	-	-	-	-	
PUBLIC UTILITIES	124	5.27	5.21	5.19- 5.7	5 -	-		-	-	-	-	-	-	-	-	17	6	53	33	13	1	1	-	-	-	-	

Table A-13. Average hourly earnings of maintenance, toolroom, powerplant, material movement, and custodial workers, by sex—large establishments in Buffalo, N.Y., October 1977

Sex, 3 occupation, and industry division	Number of workers	Average (mean ²) hourly earnings ⁴	Sex, 3 occupation, and industry division	Number of workers	Average (mean ²) hourly earnings ⁴
MAINTENANCE + TOUROOM + AND POWERPLANT OCCUPATIONS - MEN	+		MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - MENCONTINUED		
MAINTENANCE CARPENTERS	125	8.01	TRUCKERIVERS - CONTINUED		
MANUFACTURING	113				\$
	1		TRUCKDRIVERS. LIGHT TRUCK	68	7.02
MAINTENANCE ELECTRICIANS	954 912	8.43	TRUCKDRIVERS. MEDIUM TRUCK	79	6.73
	,,,,	3.44	TROCKSKITCKST NESIGN TROCK		0.75
MAINTENANCE PAINTERS	109	1	TRUCKDRIVERS. HEAVY TRUCK	777	
MANUFACTURING	105	8.05	MANUFACTURING	215	
MAINTENANCE MACHINISTS	327	7.61	NONMANUFACTURING	59 157	
MANUFACTURING	307		NORTH ACTORING	13,	7.00
			RECEIVING CLERKS	195	6.14
MAINTENANCE MECHANICS (MACHINERY) -	1.219	3.86	MANUFACTURING	95	6.01
MANUFACTURING	1.174	8.89	NONHANUFACTURING	100	6.27
MAINTENANCE MECHANICS			WAREHOUSEMEA	631	6.56
(MOTOR VEHICLES)	213	8.24	MANUFACTURING	236	6.13
MANUFACTURING	155				
NONMANUFACTURING:			ORDER FILLERS	222	1 7 7 7 7
PUBLIC UTILITIES	55	8.33	MANUFACTURING	127	5.60
MAINTENANCE PIPEFITTERS	509	8.36	MATERIAL HANDLING LABORERS	689	6.65
MANUFACTURING	503		MANUFACTURING	661	
MAINTENANCE SHEET-METAL WORKERS	224	8.47	FORKLIFT OPERATORS	1 705	6.91
MANUFACTURING	225	8.63	MANUFACTURING	1,260	
MILLWRIGHTS	1.025	8.39	POWER-TRUCK OPERATORS (OTHER	/	
MANUFACTURING	1,025	8.39	THAN FORKLIFT)	316	7.13
			MANUFACTURING	256	7.26
MAINTENANCE TRADES HELPERS	211		CHANDS AND HATCHES		
PUBLIC UTILITIES	59	6.42	MANUFACTURING	443 375	
FUSEIC UTILITIES	52	6.63	NONMANUFACTURING	68	
MACHINE-TOOL OPERATORS (TOOLROOM) -	539	8.86			
MANUFACTURING	539	8.86	GUARDS:		
TOOL AND DIE MAKEES	241	0 00	MANUFACTURING	361	6.99
MANUFACTURING	816	8.80	JANITORS. PORTERS. AND CLEANERS	740	5.88
	010	3.00	MANUFACTURING	585	
STATIONARY ENGINEERS	185	7.94	NONKANUFACTURING	155	4.85
MANUFACTURING	170	7.96	PUBLIC UTILITIES	90	5.50
BOILER TENJERS	54	7.43			
MANUFACTURING	54				
MATERIAL MOVEMENT AND CUSTODIAL			MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS - WOMEN		
OCCUPATIONS - MEN					
TRUCKORIVERS	534	7.14	JANITORS, PURTERS, AND CLEANERS	255	5.24
MANUFACTURING	268			179	
NONMANUFACTURING	265		NONMANUFACTURING:		2.11
	- 30		PUBLIC UTILITIES	34	4.68

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.
- 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.
- 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

Data on area wages and related benefits are obtained by personal visits of Bureau field representatives at 3-year intervals. In each of the intervening years, information on employment and occupational earnings is collected by a combination of personal visit, mail questionnaire, and telephone interview from establishments participating in the previous survey.

In each of the 74 1 areas currently surveyed, data are obtained from representative establishments within six broad industry divisions: Manufacturing; transportation, communication, and other public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and services. Major industry groups excluded from these studies are government operations and the construction and extractive industries. Establishments having fewer than a prescribed number of workers are omitted because of insufficient employment in the occupations studied. Separate tabulations are provided for each of the broad industry divisions which meet publication criteria.

These surveys are conducted on a sample basis. 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 74 areas are 4 studies conducted by the Bureau under contract. These areas are Akron, Ohio; Birmingham, Ala.; Norfolk—Virginia Beach—Portsmouth and Newport News—Hampton, Va.—N.C.; and Syracuse, 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 shown. (It is assumed that wages increase at a constant rate between surveys.)

Occupations used to compute wage trends are:

	-		
Office	C	lerical	

Secretaries Stenographers, general Stenographers, senior Typists, classes A and B File clerks, classes A, B, and C Messengers Switchboard operators

Office clerical-Continued

Order clerks Accounting clerks, classes A and B Bookkeeping-machine operators, class B Payroll clerks Keypunch operators, classes A and B

Electronic data processing

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

nurses

Skilled maintenance

Carpenters Electricians Painters Machinists Mechanics (machinery) Mechanics (motor vehicle) Pipefitters Tool and die makers

Industrial nurses Unskilled plant

Janitors, porters, and Registered industrial 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.

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 in Buffalo, N.Y., October 1977

	Minimum	Number of est	ablishments	Wo	rkers in establishm	ents
Industry division 2	employment in establish-	Within scope		Within sco	pe of study 4	
	ments in scope of study	of study 3	Studied	Number	Percent	Studied
ALL ESTABLISHMENTS						
ALL DIVISIONS		831	215	223.772	100	149,105
ANUFACTURING	50	330	94	129+134	58	94,403
IONMANUFACTURING	_	501	121	94+638	42	54.702
TRANSPORTATION, COMMUNICATION, AND						
OTHER PUBLIC UTILITIES5	50	61	24	19,350	9	16 • 170
WHOLESALE TRADE6	50	103	17	8 . 884	4	2,602
RETAIL TRADE	50	188	32	37.899	17	18,486
FINANCE . INSURANCE . AND REAL ESTATE	50	42	14	12 • 138	5	9+339
SERVICES6 7	50	107	34	16.367	7	8 • 105
LARGE ESTABLISHMENTS						
ALL DIVISIONS	-	77	65	132.339	100	122.820
MANUFACTURING	500	44	39	86 • 957	66	83.128
IONMANUFACTURING	_	33	26	45.382	34	39.692
TRANSPORTATION. COMMUNICATION. AND		7-7-	17.7			
OTHER PUBLIC UTILITIES5	500	5	5	12,416	9	12+416
WHOLESALE TRADE 6	500	2	2	1.243	1	1.243
RETAIL TRADE	500	15	9	20.147	15	15.065
FINANCE. INSURANCE. AND REAL ESTATE	500	6	6	7,885	6	7.885
SERVICES 6 7	500	5	4	3.091	3	3,083

The Buffalo Standard Metropolitan Statistical Area, as defined by the Office Counties. The "workers within scope of study" estimates shown in the table provide a reasonably accurate description of the size and composition of the labor the study.

This division is represented in estimates for "all industries" and "non-stable are not intended however, for comparison

This division is represented in estimates for "all industries" and "non-stable are not intended however, for comparison

This division is represented in estimates for "all industries" and "non-stable are not intended however, for comparison the study. with other employment indexes to measure employment trends or levels since (1) manufacturing" in the A-series tables. Separate presentation of data is not made planning of wage surveys requires establishment data compiled considerably in for one or more of the following reasons: (1) Employment is too small to provide advance of the payroll period studied, and (2) small establishments are excluded

classifying establishments by industry division. However, all government operations establishment data. are excluded from the scope of the survey.

finance, auto repair service, and motion picture theaters are considered as 1 architectural services.

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 of Management and Budget through February 1974, consists of Erie and Niagara services incidental to water transportation are excluded. The municipally operated

enough data to merit separate study, (2) the sample was not designed initially to permit separate presentation, (3) response was insufficient or inadequate to permit from the scope of the survey.

permit separate presentation, (3) response was insufficient or inadequate to permit

The 1972 edition of the Standard Industrial Classification Manual was used in separate presentation, and (4) there is possibility of disclosure of individual

Hotels and motels; laundries and other personal services; business services; 3 Includes all establishments with total employment at or above the minimum automobile repair, rental, and parking; motion pictures; nonprofit membership limitation. All outlets (within the area) of companies in industries such as trade, organizations (excluding religious and charitable organizations); and engineering and

Appendix B. Occupational Descriptions

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

Office

SECRETARY

Assigned as personal secretary, normally to one individual. Maintains a close and highly responsive relationship to the day-to-day work of the supervisor. Works fairly independently receiving a minimum of detailed supervision and guidance. Performs varied clerical and secretarial duties, usually including most of the following:

- a. Receives telephone calls, personal callers, and incoming mail, answers routine inquiries, and routes technical inquiries to the proper persons;
 - b. Establishes, maintains, and revises the supervisor's files;
- c. Maintains the supervisor's calendar and makes appointments as instructed;
 - d. Relays messages from supervisor to subordinates;
- e. Reviews correspondence, memoranda, and reports prepared by others for the supervisor's signature to assure procedural and typographic accuracy;
 - f. Performs stenographic and typing work.

SECRETARY—Continued

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

Exclusions

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

- a. Positions which do not meet the "personal" secretary concept described above;
 - b. Stenographers not fully trained in secretarial-type duties;
- c. Stenographers serving as office assistants to a group of professional, technical, or managerial persons;
- d. Secretary positions in which the duties are either substantially more routine or substantially more complex and responsible that those characterized in the definition;

Exclusions-Continued

e. Assistant-type positions which involve more difficult or more responsible technical, administrative, supervisory, or specialized clerical duties which are not typical of secretarial work.

NOTE: The term "corporate officer," used in the level definitions following, refers to those officials who have a significant 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 following level definitions.

Class A

1. 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

2. 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

 Secretary to the head, immediately below the corporate officer level, of a major segment or subsidiary of a company that employs, in all, over 25,000 persons.

Class B

 Secretary to the chairman of the board or president of a company that employs, in all, <u>fewer than 100 persons</u>; or

2. Secretary to a corporate officer (other than the chairman of the board or president) of a company that employs, in all, over 100 but fewer than 5,000 persons; or

3. Secretary to the head, immediately below the officer level, over either a major corporationwide 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

4. 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

5. 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) or a company that employs, in all, over 25,000 persons.

Class C

1. Secretary to an executive or managerial person whose responsibility is not equivalent to one of the specific level situations in the definition for class B, but whose 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

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

Class D

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

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

STENOGRAPHER

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, General

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

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.

OF

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.

TRANSCRIBING-MACHINE TYPIST

Primary duty is to transcribe dictation involving a normal routine vocabulary from transcribing-machine records. May also type from written copy and do simple clerical work. Workers transcribing dictation involving a varied technical or specialized vocabulary such as legal briefs or reports on scientific research are not included. A worker who takes dictation in shorthand or by Stenotype or similar machine is classified as a stenographer.

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 customers' orders for material or merchandise by mail, phone, or personally. Duties involve any combination of the following: Quoting prices to customers; making out an order sheet listing the items to make up the order; checking prices and quantities of items on order sheet; and distributing order sheets to respective departments to be filled. May check with credit department to determine credit rating of customer, acknowledge receipt of orders from customers, follow up orders to see that they have been filled, keep file of orders received, and check shipping invoices with original orders.

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:

ACCOUNTING CLERK-Continued

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 key-board) 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 electromatic typewriter. May also keep records as to billings or shipping charges or perform other clerical work incidental to billing operations. For wage study purposes, machine billers are classified by type of machine, as follows:

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

MACHINE BILLER-Continued

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

Computes wages of company employees and enters the necessary data on the payroll sheets. Duties involve: Calculating workers' earnings based on time or production records; and posting calculated data on payroll sheet, showing information such as worker's name, working days, time, rate, deductions for insurance, and total wages due. May make out paychecks and assist paymaster in making up and distributing pay envelopes. May use a calculating machine.

KEYPUNCH 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.

TABULATING-MACHINE OPERATOR

Operates one or a variety of machines such as the tabulator, calculator, collator, interpreter, sorter, reproducing punch, etc. Excluded from this definition are working supervisors. Also excluded are operators of electronic digital computers, even though they may also operate electric accounting machine equipment.

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

Class A. Performs complete reporting and tabulating assignments including devising difficult control panel wiring under general supervision. Assignments typically involve a variety of long and complex reports which often are irregular or nonrecurring, requiring some planning of the nature and sequencing of operations, and the use of a variety of machines. Is

typically involved in training new operators in machine operations or training lower level operators in wiring from diagrams and in the operating sequences of long and complex reports. Does not include positions in which wiring responsibility is limited to selection and insertion of prewired boards.

Class B. Performs work according to established procedures and under specific instructions. Assignments typically involve complete but routine and recurring reports or parts of larger and more complex reports. Operates more difficult tabulating or electrical accounting machines such as

the tabulator and calculator, in addition to the simpler machines used by class C operators. May be required to do some wiring from diagrams. May train new employees in basic machine operations.

Class C. Under specific instructions, operates simple tabulating or electrical accounting machines such as the sorter, interpreter, reproducing punch, collator, etc. Assignments typically involve portions of a work unit, for example, individual sorting or collating runs, or repetitive operations. May perform simple wiring from diagrams, and do some filing work.

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 system 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,

COMPUTER SYSTEMS ANALYST, BUSINESS-Continued

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 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 advanced 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 interrelationships 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.

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 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 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 processes required to complete task; 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).

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 airconditioning. 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 size and type of equipment, as follows: (Tractor-trailer should be rated on the basis of trailer capacity.)

Truckdriver, light truck (under 11/2 tons)

Truckdriver, medium truck (11/2 to and including 4 tons)

Truckdriver, heavy truck (trailer) (over 4 tons)

Truckdriver, heavy truck (other than trailer) (over 4 tons)

SHIPPING AND RECEIVING CLERK

Prepares merchandise for shipment, or receives and is responsible for incoming shipments of merchandise or other materials. Shipping work involves: A knowledge of shipping procedures, practices, routes, available means of transportation, and rates; and preparing records of the goods shipped, making up bills of lading, posting weight and shipping changes, and keeping a file of shipping records. May direct or assist in preparing the merchandise for shipment. Receiving work involves: Verifying or directing others in verifying the correctness of shipments against bills of lading, invoices, or other records; checking for shortages and rejecting damaged goods; routing merchandise or materials to proper departments; and maintaining necessary, records and files.

For wage study purposes, workers are classified as follows:

Shipping clerk Receiving clerk Shipping and receiving clerk

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 Shipping and Receiving Clerk 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 AND WATCHMAN

Guard. Performs routine police duties, either at fixed post or on tour, maintaining order, using arms or force where necessary. Includes guards who are stationed at gate and check on identity of employees and other persons entering.

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

JANITOR, PORTER, OR CLEANER

Cleans and keeps in an orderly condition factory working areas and washrooms, or premises of an office, apartment house, or commerical 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. Alexandria, La. Alpena, Standish, and Tawas City, Mich. Asheville, N.C. Atlantic City, N.J. Augusta, Ga.-S.C. Austin, Tex. Bakersfield, Calif. Baton Rouge, La. Battle Creek, Mich. Beaumont-Port Arthur-Orange, Tex. Biloxi-Gulfport and Pascagoula, Miss. Bremerton, Wash. Bridgeport, Norwalk, and Stamford, Conn. Brunswick, Ga. Cedar Rapids, Iowa Champaign-Urbana-Rantoul, Ill. Charleston, S.C. Cheyenne, Wyo. Clarksville-Hopkinsville, Tenn.-Ky. Colorado Springs, Colo. Columbia, S.C. Columbus, Miss. Crane, Ind. Decatur, Ill. Des Moines, Iowa Dothan, Ala. Duluth-Superior, Minn.-Wis. El Paso, Tex., and Alamogordo-Las Cruces, N. Mex. Eugene-Springfield and Medford-Klamath Falls-Grants Pass-Roseburg, Oreg. Favetteville, N.C. Fitchburg-Leominster, Mass.

Fort Riley-Junction City, Kans. Fort Smith, Ark,-Okla. Fort Wayne, Ind. Frederick-Hagerstown-Chambersburg, Md.-Pa. Gadsden and Anniston, Ala. Goldsboro, N.C. Grand Island-Hastings, Nebr. Guam, Territory of Harrisburg-Lebanon, Pa. La Crosse, Wis. Laredo, Tex. Lawton, Okla. Lexington-Fayette, Ky. Lima, Ohio Logansport-Peru, Ind. Lower Eastern Shore, Md.-Va.-Del. Macon, Ga. Madison, Wis. Maine (statewide) McAllen-Pharr-Edinburg and Brownsville-Harlingen-San Benito, Tex. Meridian, Miss. Middlesex, Monmouth, and Ocean Cos., N.J. Mobile and Pensacola, Ala.-Fla. Montana (statewide) Nashville-Davidson, Tenn. New Bern-Jacksonville, N.C. New Hampshire (statewide) New London-Norwich, Conn.-R.I. North Dakota (statewide) Northern New York Orlando, Fla. Oxnard-Simi Valley-Ventura, Calif. 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) Southern Idaho Southwestern Virginia Springfield, Ill. Springfield-Chicopee-Holyoke, Mass.-Conn. Stockton, Calif. Tacoma, Wash. Tampa-St. Petersburg, Fla. Topeka, Kans. 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 Texas Plains West Virginia (statewide) Wilmington, Del.-N.J.-Md. Yakima, Richland-Kennewick, and Walla Walla-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 1931, National Survey of Professional, Administrative, Technical and Clerical Pay, March 1976, \$1.35 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 1950 through 1975, is available on request.

	Bulletin	number
Area	and p	rice*
Akron, Ohio, Dec. 19761	1900-76,	85 cents
Albany-Schenectady-Troy, N.Y., Sept. 1977	1950-52,	80 cents
Anaheim-Santa Ana-Garden Grove,		
Calif., Oct. 1976	1900-67,	75 cents
Atlanta, Ga., May 1977	1950-17,	\$1.20
Baltimore, Md., Aug. 1977	1950-39,	\$1.20
Baltimore, Md., Aug. 1977	1950-40,	\$1.00
Birmingham, Ala., Mar. 1977	1950-8,	85 cents
Boston, Mass., Aug. 1977	1950-50,	\$1.20
Buffalo, N.Y., Oct. 1977	1950-58,	\$1.00
Canton, Ohio, May 1977 1	1950-28,	\$1.10
Chattanooga, TennGa., Sept. 1977	1950-44,	70 cents
Chicago, Ill., May 1977 1	1950-41,	\$1.40
Chicago, Ill., May 1977 Cincinnati, Ohio-KyInd., July 1977 Cincinnati	1950-45,	\$1.20
Cleveland, Ohio, Sept. 1977	1950-53,	\$1.40
Columbus, Ohio, Oct. 1976	1900-68,	
Corpus Christi, Tex., July 1977 1	1950-35,	\$1.00
Dallas-Fort Worth, Tex., Oct. 1976	1900-63,	
Davenport-Rock Island-Moline, Iowa-Ill., Feb. 1977 1	1950-26,	
Dayton, Ohio, Dec. 1976	1900-78,	
Daytona Beach, Fla., Aug. 1977	1950-43,	
Denver-Boulder, Colo., Dec. 1976	1900-73,	
Detroit, Mich., Mar. 1977	1950-13,	
Fresno, Calif., June 1977 Gainesville, Fla., Sept. 1977 ¹	1950-30,	
Gainesville, Fla., Sept. 1977	1950-46,	
Green Bay, Wis., July 1977	1950-36,	70 cents
Greensboro-Winston-Salem-High Point,		
N.C., Aug. 1977 1	1950-42,	\$1.10
Greenville-Spartanburg, S.C., June 1977	1950-33,	70 cents
Hartford, Conn., Mar. 1977	1950-9,	80 cents
Houston, Tex., Aug. 1977 1	1950-48,	
Huntsville, Ala., Feb. 1977	1950-4,	\$1.40
Indianapolis, Ind., Oct. 1977	1950-56,	
Jackson, Miss., Jan. 1977 1	1950-2,	\$1.50
Jacksonville, Fla., Dec. 1976 1	1900-80,	
Kansas City, MoKans., Sept. 1977	1950-54,	
Los Angeles-Long Beach, Calif., Oct. 1976	1900-77,	85 cents
Louisville, KyInd., Nov. 1976	1900-69,	
Memphis, TennArkMiss., Nov. 1976 1	1900-75,	85 cents

Area	Bulletin number and price*
Miami, Fla., Oct. 1977	1950-57. \$1.00
Milwaukee, Wis., Apr. 1977	1950-14, \$1.10
Minneapolis-St. Paul, MinnWis., Jan. 1977	1950-3, \$1.60
Nassau-Suffolk, N.Y., June 1977	1950-27, \$1.00
Newark, N.J., Jan. 1977	1950-7, \$1.60
New Orleans, La., Jan. 1977	1950-5, \$1.60
New York, N.YN.J., May 1977	1950-31, \$1.20
Norfolk-Virginia Beach-Portsmouth, Va	1750-51, \$1.20
N.C., May 1977	1950-20, 70 cents
Norfolk-Virginia Beach-Portsmouth and	
Newport News-Hampton, VaN.C., May 1977	1950-21, 70 cents
Northeast Pennsylvania, Aug. 1977	1950-38, \$1.10
Oklahoma City, Okla., Aug. 1977 1	1950-49, \$ 1.10
Omaha, NebrIowa, Oct. 1977	1950-55, \$1.10
Paterson-Clifton-Passaic, N.J., June 1977	1950-34, 70 cents
Philadelphia, PaN.J., Nov. 19761	1900-64, \$1.10
Pittsburgh, Pa., Jan. 1977	1950-1, \$1.50
Portland, Maine, Dec. 19761	1900-72, 85 cents
Portland, OregWash., May 1977	1950-32, \$1.20
Poughkeepsie, N.Y., June 1977	1950-25, 70 cents
Poughkeepsie-Kingston-Newburgh, N.Y., June 1976	1900-55, 55 cents
Providence-Warwick-Pawtucket, R.I	
Mass., June 1977 1	1950-22, \$1.20
Richmond, Va., June 1977 1	1950-23, \$1.10
St. Louis, MoIll., Mar. 1977	1950-10, \$1.20
Sacramento, Calif., Dec. 1976	1900-71, 55 cents
Saginaw, Mich., Nov. 1976 1	1900-74, 75 cents
Salt Lake City-Ogden, Utah, Nov. 1976	1900-65, 55 cents
San Antonio, Tex., May 1977 1	1950-24, \$1.10
San Diego, Calif., Nov. 1976	1900-79, 55 cents
San Francisco-Oakland, Calif., Mar. 1977	1950-29, \$1.20
San Jose, Calif., Mar. 1977	1950-19, \$1.00
Seattle-Everett, Wash., Jan 1977 1	1950-12, \$1.20
South Bend, Ind., Aug. 1977 1	1950-51, \$1.10
Syracuse, N.Y., July 1976	1900-44, 55 cents
Toledo, Ohio-Mich., May 1977	1950-18, 80 cents
Trenton, N.J., Sept. 1977	1950-47, 70 cents
Utica-Rome, N.Y., July 1977 1	1950-37, \$1.10
Washington, D.CMdVa., Mar. 1977	1950-11, \$1.20
Wichita, Kans., Apr. 1977	1950-16, \$1.10
Worcester, Mass., Apr. 1977	1950-15, 70 cents
York, Pa., Feb. 1977	1950-6, \$1.10

Prices are determined by the Government Printing Office and are subject to change.
 Data on establishment practices and supplementary wage provisions are also presented.

U.S. Department of Labor Bureau of Labor Statistics Washington, D.C. 20212

Official Business Penalty for private use, \$300 Postage and Fees Paid U.S. Department of Labor

Third Class Mail

Lab-441



Bureau of Labor Statistics Regional Offices

Region I

1603 JFK Federal Building Government Center Boston, Mass. 02203 Phone: 223-6761 (Area Code 617)

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Region V

9th Floor, 230 S. Dearborn St. Chicago, III. 60604 Phone: 353-1880 (Area Code 312)

Illinois Indiana Michigan Minnesota Ohio Wisconsin

Region II

Suite 3400 1515 Broadway New York, N.Y. 10036 Phone: 399-5406 (Area Code 212)

New Jersey New York Puerto Rico Virgin Islands

Region VI

Second Floor 555 Griffin Square Building Dallas, Tex. 75202 Phone: 749-3516 (Area Code 214)

Arkansas Louisiana New Mexico Oklahoma Texas

Region III

3535 Market Street, P.O. Box 13309 Philadelphia, Pa. 19101 Phone: 596-1154 (Area Code 215)

Delaware District of Columbia Maryland Pennsylvania Virginia West Virginia

Regions VII and VIII

Federal Office Building 911 Walnut St., 15th Floor Kansas City, Mo. 64106 Phone: 374-2481 (Area Code 816)

lowa Kansas Missouri Nebraska

VIII
Colorado
Montana
North Dakota
South Dakota
Utah
Wyoming

Region IV

Suite 540 1371 Peachtree St., N.E. Atlanta, Ga. 30309 Phone: 881-4418 (Area Code 404)

Alabama Florida Georgia Kentucky Mississippi North Carolina South Carolina Tennessee

Regions IX and X

450 Golden Gate Ave. Box 36017 San Francisco, Calif. 94102 Phone: 556-4678 (Area Code 415)

IX X
Arizona Alaska
California Idaho
Hawaii Oregon
Nevada Washington

